

26.05.2026 को आयोजित 472 वीं पंजीकरण समिति की बैठक के कार्यवृत्त

पंजीकरण समिति (आर.सी) की 472वीं बैठक 26.05.2026 को सुबह 10.30 बजे से कृषि आयुक्त एवं पंजीकरण समिति के अध्यक्ष डॉ. पी.के. सिंह की अध्यक्षता में कक्ष संख्या 344-ए, कृषि भवन, नई दिल्ली में आयोजित की गई, जिसमें डॉ. जे.पी. सिंह, पौध संरक्षण सलाहकार, डी.पी.पी.क्यू.एस., फरीदाबाद; डॉ. पूनम जसरोटिया; एडीजी (पीपी) आई.सी.ए.आर., कृषि भवन, नई दिल्ली; डॉ. वंदना त्रिपाठी, परियोजना समन्वयक, ए.आई.एन.पी., पूसा, नई दिल्ली और डॉ. सुभाष चंद, सचिव, सी.आई.बी. एवं आर.सी. उपस्थित थे।

सी.आई.बी. एवं आर.सी. सचिवालय के जिन विशेषज्ञों/अधिकारियों ने आर.सी. की सहायता के लिए भाग लिया, उनमें डॉ. वंदना सेठ, जे.डी. (रसायन विज्ञान); डॉ. के. एल. गुर्जर, जे.डी. (पीपी); श्री हरिओम मिगलानी, वरिष्ठ एल.ओ.; डॉ. टी. सोनाई राजन, ए.डी. (एंटी); डॉ. स्वाति सोम, सहायक निदेशक (चिकित्सा टोकसीकलोजी); श्री दुर्गा प्रसाद, ए.डी. (पीपी); श्रीमती विनीता माहेश्वरी, पी.पी.ओ. (रसायन विज्ञान); श्री शाहिद खान, पी.पी.ओ. (रसायन विज्ञान); श्री पी.एस.खाती, पी.पी.ओ. (विष विज्ञान); श्रीमती एकता गुप्ता, पी.पी.ओ. (विष विज्ञान); श्री अनिल कुमार शांडिल्य, पी.पी.ओ. (रसायन विज्ञान) शामिल थे।

प्रारंभ में, अध्यक्ष ने सदस्यों का स्वागत किया और सी.आई.बी. एवं आर.सी. के सचिव से विचार-विमर्श के लिए एजेंडा प्रस्तुत करने को कहा। आर.सी. द्वारा लिए गए निर्णय निम्नलिखित हैं:-

MINUTES OF THE 472nd REGISTRATION COMMITTEE MEETING HELD ON 26.05.2026.

The 472nd Meeting of the Registration Committee (RC) was held under the Chairmanship of Dr. P.K. Singh, Agriculture Commissioner & Chairman, Registration Committee on 26.05.2026 at 10.30 hrs. onwards in Room No. 344-A, Krishi Bhawan, New Delhi wherein Dr. J. P. Singh, Plant Protection Advisor, DPPQS, Faridabad; Dr. Poonam Jasrotia, ADG (PP) ICAR, Krishi Bhawan, New Delhi; Dr. Vandana Tripathy, Project Coordinator, AINP, Pusa, New Delhi and Dr. Subhash Chand, Secretary, CIB&RC attended the meeting.

Experts/Officers from the Secretariat of CIB&RC who participated for assisting the RC were Dr. Vandana Seth, JD (Chem); Dr. K. L. Gurjar, JD (PP); Sh. Hariom Miglani, Sr. LO.; Dr. T. Sonai Rajan, AD (Ento.); Dr. Swati Som, Assistant Director (Medical Tox.); Sh. Durga Prasad AD (PP); Ms. Vineeta Maheshwari, PPO (Chem); Sh. Shahid Khan, PPO (Chem); Sh. P.S. Khati, PPO (Tox); Ms. Ekta Gupta, PPO (Tox); Sh. Anil Kumar Shandilya, PPO(Chem.).

At the outset, Chairman welcomed the members and asked Secretary, CIB&RC to take up the agenda for deliberations. The decisions taken by the RC are as under:

Performa

(472nd RC)

<u>Agenda item No.</u>	<u>Particulars of Agenda</u>
1.0	Confirmation of minutes of 471th RC meeting.
	RC deliberated the agenda and approved correction in minutes of Agenda Item No 9.49 of 471 st RC Meeting. The decision may be read as under: <i>"RC deliberated the agenda and approved for grant of label claim expansion in respect of the herbicide Fomesafen 16.8% W/W + Propaquizafop 5.2% W/W ME for control of weeds Euphorbia hirta, Commelina benghalensis, Echinochloa colona, Alternanthera sessilis, Digitaria sanguinalis, Dactyloctenium aegyptium, Digera arvensis, Cyperus difformis in Soyabean crop subject to MRL fixation of Fomesafen on soyabean crop."</i>
2.0	<u>Presentation</u>
2.1	Presentation by M/s ISK Biosciences India Pvt. Ltd.
	In pursuance of the decision taken under Agenda Item No. 6.73 of the 470 th Registration Committee Meeting, the applicant made a presentation, to explain the difference in purity as per DNA verification for Nicosulfuron Technical application u/s 9(3) TI. After detailed deliberations on the presentation made by the representatives of their parent company, the RC decided to consider the case if, applicant is ready to revise the purity of Nicosulfuron to 95% min from 92% min as the product is already registered in the source company at 95% minimum purity.

	It was also emphasised that all the data submitted by the applicant such as ATR & Shelf-Life etc shall be according to Nicosulfuron 95% min. The sample under PRV shall also be conforming to the requirement of Nicosulfuron 95% min. It was also decided that if, the applicant accepts the above said decision, then he has to give in writing for accepting the above decision along-with revised Form-I, MOA, Product Specification in consonance of Nicosulfuron 95% Min. The case may be put up to RC for appropriate decision with detailed agenda as and when complete from all divisions.
2.2	Presentation by M/s. FMC India Pvt. Ltd.
	The representatives of applicant made a detailed presented on all the four issues related to the new molecule Tetflupyrolimet technical. After detailed deliberations it was decided as under: i) Purity: RC noted that CSF submitted by applicant is not yet accepted in USEPA and the molecule is not registered in the country of its origin i.e. USA. In view thereof, applicant may please comply with the recommendations of in-house group on <i>“Establishment of minimum purity in India based on the registration of technical active ingredient by the United States Environmental Protection Agency (US EPA)”</i> as accepted in 421st RC meeting vide agenda item 3.1. ii) Committee accepted the contention of applicant on DHODH and PFAS. iii) The RC decided that as per the decision of 421st RC a Standard Deviation tolerance limit shall be applicable to the 97% minimum purity applied by their parent company in USA. The minimum purity is arrived at 94.624% min. iv) Therefore, the RC decided that the purity of Tetflupyrolimet technical shall be 94.6% minimum plus impurities to make chemical composition 100.00%. v) It was also emphasised that all the data submitted by the applicant such as ATR & Shelf-Life etc shall be according to Tetflupyrolimet technical as 94.6% minimum. The sample under PRV shall also be conforming to the requirement of Tetflupyrolimet technical as 94.6% minimum. It was also decided that if, the applicant accepts the above said decision, then the applicant has to give in writing for accepting the above decision

along-with revised Form-I, MOA, Product Specification in consonance of Tetflupyrolimet technical 94.6% minimum.

The representatives of the applicant presented that Based on the weight of evidence approach, there was no evidence of adverse effects on immune system components in short-term (28- and 90-day) studies in rats, mice and dogs, or in long-term studies in rats and mice. These endpoints included WBC parameters, thymus weights, gross and histopathology of thymus, lymph nodes, and bone marrow. Further, applicant presented the interpretation (extract from EPA document Part158) as below:

- Hemosiderin deposits of the spleen may occur secondary to hemorrhage or hemolysis that is unrelated to direct immunotoxicity.
- Spleen congestion (passive accumulation of blood) may result from non-immune toxic effects such as hemolytic anemia or barbiturate euthanasia.
- Extramedullary hematopoiesis of the spleen is commonly seen in rodents (particularly mice) in the absence of underlying disease and can be indicative of anemia/hemorrhage/hemolysis, systemic inflammation, splenic trauma/necrosis, decreased hematopoiesis by the bone marrow, and neoplasia.
- Spleen histopathological changes in the absence of other lesion are unlikely to be specific indicator of immunotoxicity.

Additionally, expected dietary exposure levels are very low with margin of exposure more than 10 million. Hence, Applicant concluded "In view of observation and sufficient scientific weight of evidence (WoE) to conclude that Tetflupyrolimet does not have potential for immunotoxicity."

RC further noted the below facts:

1. Tetflupyrolimet is first and only new mode of action (MOA-DHODH Inhibitor) herbicide being introduced in over 30 years.
2. Immunotoxicity study is the mandatory data requirement for 9(3)TI new molecule as per extant guidelines to assess the overall safety of human being.
3. Toxicology data on tetflupyrolimet is being extensively debated, assessed and has not been accepted in USEPA till date.

	RC was further apprised with “A Retrospective Analysis of the Immunotoxicity Study (OCSP Test Guideline No. 870. 7800)” published by USEPA dated February, 2013 wherein below was opined: “Traditional subchronic and chronic rodent studies can provide some information on certain immunological endpoints such as hematology, lymphoid organ weights and histopathology. Nonetheless, EPA concluded in 2007 that these endpoints alone do not provide a full and integrated evaluation of immune function. Evaluating the potential of a chemical to adversely affect the immune system function is important because immune system suppression has been associated with increased incidences of diseases. Accordingly, that year the Agency revised the Part 158 Toxicology Data requirements to require a functional immunotoxicity study for all food and non-food use pesticides.” In view thereof, RC decided that member toxicologist Dr Umesh D. Surrangi may assess the requirement of immunotoxicity study, so that a final an appropriate decision may be taken, since he was not present in the meeting.
2.3	Presentation by M/s. Meghmani Industries Ltd. In terms of the RC decision taken in its 468th RC meeting, at agenda item no. 10.2 in relation to representation of Non verification of registration certificate of M/s Meghmani Industries Ltd. Ahmedabad wherein RC decided to invite the applicant for presentation before the RC. The decision of the RC read as under: <i>“RC perused the agenda and expressed its serious concern on the issue of possessing of forged/fake certificate of registration for Sulphur 80% WDG purported to be issued vide Registration No. CIR-69,758/2005(254)-Sulphur (WDG-1125) from F. No. 1,372-F 9(4)/2005 by M/s. Meghmani Industries Ltd., Ahmedabad. The issue came to light when the company moved an application for the attestation of this certificate of registration and on being enquired about the genuineness of the same from available records at Sectt. of CIB&RC it was revealed that the above file no. doesn't pertain to any such application for the grant of registration submitted by the M/s. Meghmani Industries Ltd., Ahmedabad. Further the CR records that the above registration was approved by the RC in its 254th meeting on the contrary no such approval was found in the entire</i>

MOM of 254th meeting. Prima-facie RC is of the view that M/s. Meghmani Industries Ltd., Ahmedabad is utilizing the above-mentioned CR which apparently appears to be fake and forged and, in any event, couldn't be presumed as genuine. Such type of illegal activities is to be checked at the threshold with exemplary punishments to the wrong doers. RC still is inclined to grant an opportunity to show cause M/s. Meghmani Industries Ltd., Ahmedabad before taking any further view in the matter. RC directs the Sectt. of CIB&RC to call M/s. Meghmani Industries Ltd., Ahmedabad to submit their point of view on the above aspect in the next RC."

The applicant appeared before the RC along with their Learned Counsel Sh. Ashish Kothari Advocate, during the course of RC proceedings the applicant has submitted a presentation document which is taken on record.

Mr. Kothari submits that the applicant is a leading group engaged in manufacture of agrochemicals for more than four decades and enjoy a good reputation between the farmers due to its quality products. He further submits that the applicant is a law-abiding company and is committed to ensure all regulatory compliances. Mr Kothari further submits that the captioned RC of Sulphur 80% WDG has been issued around twenty years back and that point of time the applications were used to be submitted in hard copy mode and the CRs are also received in physical hard copy form. He submits that the captioned CR bears the signature of the then Secretary CIB&RC and also contains the official stamp and therefore the applicant was using the same under the bona-fide belief that the same is genuine. Mr. Kothari also submits that since then several endorsement and certification have been sought by the applicant and the same were granted by the RC on several occasions and no question was raised as to the lack of genuineness of the said CR. He also refers Section 51, 52 and 78 of the Bhartiya Sakshya Adhiniyam, 2023 which inter-alia relates to the presumptions as to genuineness of the certified copies. However, on instructions, he fairly states that since the question has been raised about the lack of genuineness of the captioned CR., and in full bona-fides they are ready and willing to surrender the original CR to the RC, with a liberty to reapply of the registration of the same as per the applicable guidelines.

Now after hearing the submissions, the RC deliberated upon the same and is of the considered view that any sort of illegality as and when detected is to be thrown out at any stage. Since the applicant had made a fair

	submission and is ready to surrender the original CR and therefore the RC is of the view that the submissions so advanced by Mr. Kothari the Learned Counsel appearing on behalf of the applicant deserves consideration. Accordingly, RC directs the applicant to submit an affidavit on NJSP to this effect duly sworn in accordance with law under the signatures of the authorized person not below the rank of the Director of the Company with the original CR along with the all-consequential original endorsements/certifications received by the applicant, to the Secretariat of CIB&RC with copy of the same duly endorsed to the respective State Director of Agriculture/s and duly acknowledged by them. Sr. Law Officer is also requested to verify the contents of the affidavit so submitted by the applicant in view of the submissions/statements made in the presentation document. RC makes it clear that if any such instance is found in future and/or comes to the notice of the RC, serious legal consequences shall entail.
2.4	Presentation by M/s. BASF India Ltd.
	M/s. BASF couldn't present their case due to some urgency, hence seek the liberty to present their case in next RC. The RC agreed to the request.
2.5	Presentation by VCRC.
	The Director, ICMR-Vector Control Research Centre (VCRC), Puducherry made a presentation on the issues related to the registration of <i>Bacillus thuringiensis</i> 5.0 % AS (Strain VCRC-B-17) especially the revision of potency, correction of dose and endorsement of shelf life. In this regard, RC observed that the information / data provided during the presentation has not been submitted to the Secretariat of CIB&RC. Hence, RC directed the Director, ICMR-VCRC to submit all the information and data related to the potency, dose correction and endorsement of shelf life supported with required documents to the Secretariat of CIB&RC for further examination as per existing guidelines.
3.0	<u>Government Business</u>
3.1	Follow up agenda item no. 11.1 of the 466 and 468th RC meeting pertaining to the compilation of all the approved guidelines along with specific conditions.
	RC deliberated the agenda in detail and appreciated the efforts taken up by the expert committee for the compilation of guidelines approved by the Registration Committee (RC) in its various meetings. The Member

	Secretary to the Sub-Committee made a detailed presentation on the guidelines and methodology adopted in compiling and classification of RC on the basis of applications. The RC profusely appreciated the concerted and dedicated efforts made by the Sub-Committee in compiling and completing this mammoth task. The members deliberated the issue at length and asked Dr. Poonam Jasrotia for modification in the categorization of guidelines such as the guidelines for inclusion of molecules in Schedule and Setting of manufacturing facility shall be categorised under Category-I etc. The RC considered all suggestions given by the Sub-Committee and after detailed discussions some of the suggestions were accepted. After over all deliberations, the RC approved the compiled guidelines. The RC made it clear that the data generations for biopesticides & Botanicals shall be accepted from NABL approved laboratories. RC further directed the Secretary CIB&RC to incorporate the suggestions and issue the public notice along with the compiled guidelines and seek the comments and suggestions from the stakeholders within 30 days' time and put up these compiled guidelines with the comments, if any received so to the next RC for appropriate action.
3.2	Templates/Proforma for the scrutiny of the applications of registration of pesticides in various category.
	The RC recalled its decision taken in the 468th RC meeting held on 12.01.2026 vide Agenda Item No. 3.2, wherein the draft templates developed by the Sectt. of CIB&RC for speedy examination of applications under various categories of registration within the stipulated time were approved for inviting comments/suggestions from stakeholders. The RC noted that, in compliance with its earlier decision, the Sectt. of CIB&RC issued a Public Notice dated 12.02.2026 inviting comments/suggestions from stakeholders on the draft templates. The RC further noted that meetings with stakeholders were held on 06.03.2026 and 08.05.2026, wherein the comments/suggestions received were deliberated and subsequently compiled for consideration by the RC. All the comments and suggestion given by the various Stake holders such Pesticides Associations, individual applicants etc have been incorporated in the template. The revised and corrected templates were deliberated in details in view of the regulatory requirements of Chemistry, Toxicology, Chemistry, Packaging and Bio-efficacy (Herbicide Unit) etc. The RC

	observed that some of the pages are missing in the template. The same was presented by the Secretary to the RC. After detailed perusal and deep discussion RC finalized the revised templates for implementation. The RC further decided that these templates shall be made integral part of the guidelines in the CROP portal, so that it becomes the mandatory requirement of submission by the applicant at the time of filling an application of registration. It was further decided that, once incorporated in the Crop Portal no application shall be accepted without information in the respective templates under all disciplines as per the approved guidelines. RC also further directed the Sectt. of CIB&RC to issue a public notice on the website and addressing to the Pesticides Associations; requesting to encourage their members to come forward and submit the information in template in an endeavour to grant of registration speedily. It was also expected that the existing applicant shall also be given an opportunity to join in this endeavour to expedite scrutiny and analysis of data, if they want the scrutiny of their files at fast pace. After detailed deliberations, the RC approved the templates. The revised and approved templates, in sync with the Guidelines, are annexed at Annexure 3.2.1, for implementation by the Sectt. of CIB&RC.
4.0	<u>Export Cases</u>
4.1	Consideration of application received for Export in General Category, Star Export category and Fast track Export category for approval.
	RC deliberated and approved the cases as per Annexure-4.1.1 (General Export), Annexure-4.1.2 (Fast Track Export) and Annexure-4.1.3 (Star Export)
5.0	<u>9(3b) Cases</u>
5.1	Consideration of application of M/s I P L Biologicals Limited, for grant of registration for indigenous manufacture of <i>Trichoderma viride</i> 5% (CFU Count: 2x10⁶/ml Min.) + <i>Trichoderma harzianum</i> 5% (CFU Count: 2x10⁶/ml Min.) SC (Strain name: IPL/VT/101, Accession No. MTCC 25012 & Strain name: IPL/VT/102, Accession No. MTCC 25013) u/s 9(3b) Bio-pesticide of the Insecticides Act, 1968.
	RC deliberated the agenda and approved for grant of registration for Indigenous manufacture of <i>Trichoderma viride</i> 5% (CFU Count: 2x10 ⁶ /ml

	Min.) + <i>Trichoderma harzianum</i> 5% (CFU Count: 2x10 ⁶ /ml Min.) SC (Strain name: IPL/VT/101, Accession No. MTCC 25012 & Strain name: IPL/VT/102, Accession No. MTCC 25013) u/s 9(3b) Bio-pesticide of the Insecticides Act, 1968.
5.2	Consideration of an application of M/s Kay Bee Bio-Organics Pvt. Ltd., for grant of registration for indigenous manufacture of piper longum Extract concentrate containing Piperine technical 60 % min. u/s 9(3b) TIM of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the grant of registration for indigenous manufacturing of <i>Piper longum</i> Extract concentrate containing Piperine technical 60 % min. under section 9(3b) TIM, with a provisional shelf life of two years.
5.3	Consideration of an application of M/s Kay Bio-Organics Pvt. Ltd., for grant of registration for indigenous manufacture of Piperine 0.30 % + Thymol 4.50 % EW (Botanical Insecticide) under section 9(3b) FIM of the Insecticide Act, 1968
	RC deliberated the agenda and approved the grant of registration for indigenous manufacturing of Piperine 0.30 % + Thymol 4.50 % EW (Botanical Insecticide) under section 9(3b) of Insecticide Act, 1968 for the control of thrips (<i>Scirtothrips dorsalis</i>) on chilli crop only. With a provisional shelf life of two years, subject to grant of registration certificate of <i>Thymus vulgaris</i> Extract Concentrate Containing Thymol Technical 50% w/w min. U/s 9(3b) FIM.
6.0	9(3) CASES
	<u>Bio-pesticides</u>
6.1	Consideration of an application of M/s Orgonext Life Science Private Limited, for the registration of <i>Beauveria bassiana</i> 1.15%WP [Strain: BB-ICAR-RJP, Accession No. MCC-1022] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.2	Consideration of an application of M/s Orgonext Life Science Private Limited, for the registration of <i>Verticillium lecanii</i> 1.15%W.P. [Strain AS-MEGH-VL Accession No. MCC-1028] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.

6.3	Consideration of an application of M/s Orgonext Life Science Private Limited, for the registration of the product <i>Trichoderma viride</i> 1.5% WP [Strain IIHR-TV-5, Accession No. ITCC No. 6889] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.4	Consideration of an application of M/s Agri Search India Private Limited, for the registration of <i>Beauveria bassiana</i> 1.15%WP [Strain: BB-ICAR-RJP, Accession No. MCC-1022] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.5	Consideration of an application of M/s Green Heal Life Solutions LLP, for the registration of <i>Pseudomonas fluorescens</i> 1.5% L.F. [Strain PF-1, ACCESSION NO. MTCC NO. 5671] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.6	Consideration of an application of M/s Green Heal Life Solutions LLP, for the registration for the product <i>Trichoderma harzianum</i> 2.0%A.S. [Strain IPL/VT/102 Accession No. ITCC-6893] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.7	Consideration of an application of M/s Green Heal Life Solutions LLP, for the registration of <i>Paecilomyces lilacinus</i> 1.50% L.F. [Strain T Stanes: PL-1, Accession No. MTCC 5175] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.8	Consideration of an application of M/s NANOGEN AGROCHEM PRIVATE LIMITED, for the registration for the product <i>Verticillium chlamydosporium</i> 1.0 % WP [Strain IIHR-VC-3 Accession No. ITCC No. 6898] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.

6.9	Consideration of an application of M/s Sai Crop Science Pvt Ltd., for the registration of <i>Pseudomonas fluorescens</i> 1.5% L.F. [Strain PF-1, ACCESSION NO. MTCC NO. 5671] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.10	Consideration of an application of M/s SOM PHYTOPHARMA (INDIA) LTD., for the registration for the product <i>Trichoderma harzianum</i> 1.0%W.P. [Strain IIHR-TH-2 Accession No. ITCC-6888] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.11	Consideration of an application of M/s BHUMIJA ORGANIC FERTILIZERS PRIVATE LIMITED, for the registration of <i>Paecilomyces lilacinus</i> 1.50% L.F. [Strain T Stanes: PL-1, Accession No. MTCC 5175] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.12	Consideration of an application of M/s BHUMIJA ORGANIC FERTILIZERS PRIVATE LIMITED, for the registration of the product <i>Trichoderma viride</i> 1.5% WP [Strain IIHR-TV-5, Accession No. ITCC No. 6889] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.13	Consideration of an application of M/s AMAR BIO TECH, for the registration of <i>Pseudomonas fluorescens</i> 2.0% AS [Strain IPL/PS-01, Accession no-MTCC 5727] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.14	Consideration of an application of M/s Nabadurga Pesticides Private Limited, for the registration of <i>Metarhizium anisopliae</i> 1.5%LF [Strain: Ma-1, Accession No. MTCC 5173] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.15	Consideration of an application of M/s DSCiGN Biosys Pvt Ltd., for the registration for the product <i>Verticillium chlamydosporium</i> 1.0 % WP

	[Strain IIHR-VC-3 Accession No. ITCC No. 6898] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.16	Consideration of an application of M/s Avadh Sugar and Energy Limited, for the registration for the product <i>Trichoderma harzianum</i> 2.0%A.S. [Strain IPL/VT/102 Accession No. ITCC-6893] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.17	Consideration of an application of M/s Netsurf Biotech Private Limited, for the registration of <i>Pseudomonas fluorescens</i> 1.5% L.F. [Strain PF-1, ACCESSION NO. MTCC NO. 5671] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.18	Consideration of an application of M/s Krishidoot Bio Herbals, for the registration of <i>Beauveria bassiana</i> 1.5% A.S. [Strain-AMMFA-BB1, NCMR Accession number MCC 0579] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.19	Consideration of an application of M/s IDEAL AGRI CARE, for the registration of <i>Beauveria bassiana</i> 1.5% A.S. [Strain-AMMFA-BB1, NCMR Accession number MCC 0579] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.20	Consideration of an application of M/s IDEAL AGRI CARE, for the registration of <i>Metarhizium anisopliae</i> 1.5% A.S. [Strain-AMMFA-MA1, NCMR Accession number MCC 0578] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.21	Consideration of an application of M/s LH SUGAR FACTORIES LTD., for the registration for the product <i>Trichoderma harzianum</i> 1.5% A.S. [Strain name: AMMFA-TH1 NCMR, Accession Number: MCC 0583] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.

6.22	Consideration of an application of M/s Kriya Biosys Private Limited, for the registration of <i>Beauveria bassiana</i> 1.15%WP [Strain:BB-ICAR-RJP, Accession No. MCC-1022] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.23	Consideration of an application of M/s Tulipcrop Science Private Limited, for the registration of <i>Beauveria bassiana</i> 1.5% LF [Strain: T. Stanes Bb-1, Accession No. MTCC 5171] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.24	Consideration of an application of M/s Krishi Vikas Sahakari Samiti Limited, for the registration of <i>Metarhizium anisopliae</i> 1.15% WP [Strain: T Stanes: Ma-1, Accession No. MTCC 5173] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.25	Consideration of an application of M/s Kriya Biosys Private Limited, for the registration of <i>Metarhizium anisopliae</i> 1.0% WP [Strain: IPL/KC/44, Accession No. ITCC 6895] u/s 9(3) of Insecticide Act, 1968
	RC deliberated the agenda and approved the case.
6.26	Consideration of an application of M/s Kriya Biosys Private Limited, for the registration for the product <i>Trichoderma harzianum</i> 1.0%W.P. [Strain IIHR-TH-2 Accession No. ITCC-6888] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.27	Consideration of an application of M/s IDEAL AGRI CARE, for the registration of <i>Verticillium lecanii</i> 1.5% L.F. [Strain: T. Stanes VI-1, Accession No. MTCC 5172]] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.28	Consideration of an application of M/s Dscign Biosys Pvt Ltd., for the registration for the product <i>Trichoderma harzianum</i> 1.0%W.P. [Strain IIHR-TH-2 Accession No. ITCC-6888] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.

6.29	Consideration of an application of M/s Sidharth Enterprises, for the registration of <i>Trichoderma viride</i> 1.0% W.P. [Strain TNAU-TV-1 Accession No. ITCC No. 6914] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.30	Consideration of an application of M/s Grow Indigo Private Limited, for the registration of the product <i>Trichoderma viride</i> 1.5% WP [Strain IIHR-TV-5, Accession No. ITCC No. 6889] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.31	Consideration of an application of M/s Kan Biosys Pvt. Ltd., for the registration of <i>Bacillus thuringiensis</i> var <i>kurstaki</i> 0.5%WP [Strain: DOR-Bt-1, Accession No. NAIMCC-B-01118] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.32	Consideration of an application of M/s Anand Agro Care, for the registration of <i>Beauveria bassiana</i> 1.5% A.S. [Strain-AMMFA-BB1, NCMR Accession number MCC 0579] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.33	Consideration of an application of M/s Anand Agro Care, for the registration of <i>Bacillus subtilis</i> 1.5% A.S. [Strain-AMMFA-BS1, NCMR Accession number MCC 0581] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.34	Consideration of an application of M/s Dayal Biotech Private Limited, for the registration of <i>Bacillus subtilis</i> 1.5% A.S. [Strain-AMMFA-BS1, NCMR Accession number MCC 0581] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.35	Consideration of an application of M/s CHETANA LABORATORY, for the registration of <i>Bacillus subtilis</i> 1.5% A.S. [Strain-AMMFA-BS1, NCMR Accession number MCC 0581] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.36	Consideration of an application of M/s Geolife Agritech India Private Limited, for the registration of <i>Bacillus subtilis</i> 1.5% A.S. [Strain-AMMFA-BS1, NCMR Accession number MCC 0581] u/s 9(3) of Insecticide Act, 1968.

	RC deliberated the agenda and approved the case.
6.37	Consideration of an application of M/s Growtech Agri Science and Research Pvt. Ltd., for the registration of <i>Bacillus subtilis</i> 1.5% A.S. [Strain-AMMFA-BS1, NCMR Accession number MCC 0581] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.38	Consideration of an application of M/s Agri Search India Private Limited, for the registration of <i>Bacillus subtilis</i> 1.5% A.S. [Strain-AMMFA-BS1, NCMR Accession number MCC 0581] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.39	Consideration of an application of M/s SKR Agro-Tech Pvt. Ltd., for the registration of <i>Bacillus subtilis</i> 1.5% A.S. [Strain-AMMFA-BS1, NCMR Accession number MCC 0581] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.40	Consideration of an application of M/s Sanvardhini Agro Private Limited, for the registration of <i>Bacillus subtilis</i> 1.5% A.S. [Strain-AMMFA-BS1, NCMR Accession number MCC 0581] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.41	Consideration of an application of M/s Geolife Agritech India Private Limited, for the registration of <i>Beauveria bassiana</i> 1.5% A.S. [Strain-AMMFA-BB1, NCMR Accession number MCC 0579] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.42	Consideration of an application of M/s Dayal Biotech Private Limited, for the registration of <i>Beauveria bassiana</i> 1.5% A.S. [Strain-AMMFA-BB1, NCMR Accession number MCC 0579] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.43	Consideration of an application of M/s Agrinos India Pvt. Ltd., for the registration of <i>Bacillus subtilis</i>-2.0% A.S. [Strain: IPL/BS/09, Accession No. MTCC-5728] u/s 9(3) of Insecticide Act, 1968.

	RC deliberated the agenda and approved the case.
6.44	Consideration of an application of M/s Unitech Agriscience, for the registration of <i>Pseudomonas fluorescens</i> 1.0% WP [Strain IIHR-PF-2, Accession No. ITCC No.-B0034] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.45	Consideration of an application of M/s Unitech Agriscience, for the registration for the product <i>Verticillium chlamydosporium</i> 1.0 % WP [Strain IIHR-VC-3 Accession No. ITCC No. 6898] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.46	Consideration of an application of M/s Unitech Agriscience, for the registration of <i>Verticillium lecanii</i> 1.15%W.P. [Strain AS-MEGH-VL Accession No. MCC-1028] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.47	Consideration of an application of M/s Unitech Agriscience, for the registration of the product <i>Trichoderma viride</i> 1.5% WP [Strain IIHR-TV-5, Accession No. ITCC No. 6889] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.48	Consideration of an application of M/s MAHAGRAPES, for the registration for the product <i>Trichoderma harzianum</i> 2.0%A.S. [Strain IPL/VT/102 Accession No. ITCC-6893] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.49	Consideration of an application of M/s MAHAGRAPES, for the registration of <i>Beauveria bassiana</i> 1.5% LF [Strain: T. Stanes Bb-1, Accession No. MTCC 5171] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.50	Consideration of an application of M/s MAHAGRAPES, for the registration of <i>Paecilomyces lilacinus</i> 1.50% L.F. [Strain T Stanes: PL-1, Accession No. MTCC 5175] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.

6.51	Consideration of an application of M/s MAHAGRAPES, for the registration of <i>Verticillium lecanii</i> 1.5% L.F. [Strain: T. Stanes VI-1, Accession No. MTCC 5172]] u/s 9(3) of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case.
6.52	Consideration of applications collectively (13 in numbers) of already registered Bio-pesticides u/s 9(3) of the Insecticides act, 1968.
	RC deliberated the agenda and approved the case. as per Annexure-6.52.1
	<u>Chemicals</u>
6.53	Consideration of an application of M/s BASF India Limited, for grant of registration for formulation import of Profoxydim 200 g/L EC under section 9(3) FI (WRT).
	RC deliberated the agenda and approved the case of M/s BASF India Limited for grant of registration for Formulation Import FI (WRT) of Profoxydim 200 g/L EC from source M/s. BASF SE Carl-Bosch-Strasse 38 67056, Ludwigshafen, Germany (for both formulation & Technical) subject to the submission of <i>legalized Consent Letter to Supply the Product, ATR for Profoxydim Technical from CIL being FI-WRT Case</i> , and subject to submission of the original hard-copy Affidavit / ICAMA / Consent (Apostilled/Legalized) with validity of source, geo tagging of manufacturing source, whichever is applicable, and approval of technical grade pesticides, if not already submitted. The RC grant registration for indigenous manufacture of Profoxydim 200 g/L EC for control of weeds <i>Echinochloa colona</i> , <i>Elusine indica</i> , <i>Panicum repens</i> , <i>Dactyloctenium aegypticum</i> in transplanted rice crop and <i>Echinochloa colona</i> , <i>Eleusine indica</i> , <i>Leptochloa chinensis</i> , <i>Panicum repens</i> , <i>Dactyloctenium aegypticum</i> in direct seeded rice crop subject to MRL fixation. RC observed that the Secretariat had received the application under reference since 2022 and practically is beyond the ambit of action w.r.t. Agenda Item No. 10.32 of 449 th RC decision.
6.54	Consideration of an application of M/s Bayer CropScience Limited for grant of registration for indigenous manufacture of Isoxaflutole Technical 97.2% w/w Min under section 9(3) TI of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the case of M/s Bayer Crop Science Limited for grant of registration of Isoxaflutole Technical 97.2%

	w/w min under import category subject to submission of toxicology data on major and persistent metabolites found in soil i.e RPA 202248 (Diketonitrile- Primary Metabolite) and RPA 203328 (IFT-Benzoic acid-Terminal metabolite) & an undertaking on variation in <i>Address of source</i> of Import on RTT permit and consent letter <i>and</i> submission of revised form-I with complete address of source of Import as complete address is not mentioned on Form-I and original hard-copy Affidavit / ICAMA / Consent (Apostille/Legalized) with geo tagging of manufacturing source, whichever is applicable, if not already submitted. The applicant has submitted that the address in RTT and consent letter differs because of "one address belongs to the office address and another address belongs to the manufacturing address of the same source". The validity of product is 31st July, 2034. RC deliberated the agenda extensively and it was emerged that the major metabolites of isoxaflutole are persistent, mobile in soil and prone to leaching and accumulation in ground water leading to water contamination. It was also noted that Diketonitrile is the major and active herbicidal metabolite.
6.55	Consideration of application of M/s ADAMA India Pvt. Ltd., for grant of registration for indigenous manufacture of Fluxapyroxad Technical 98.3% w/w Min. under section 9(3) TIM vs TI of the Insecticide Act, 1968.
	RC deliberated the agenda and approved for grant of registration for Technical Indigenous manufacture of Fluxapyroxad Technical 98.3% w/w Min. under section 9(3) TIM (TIM vs TI), with a shelf life of two years.
6.56	Consideration of application of M/s Agro Life Science Corporation, for grant of registration for indigenous manufacture of Bensulfuron Methyl Technical 97.5% w/w Min. under section 9(3) TIM vs TI of the Insecticide Act, 1968.
	RC deliberated the agenda and approved for grant of registration for Technical Indigenous manufacture of Bensulfuron Methyl Technical 97.5% w/w Min. under section 9(3) TIM (TIM vs TI), with a shelf life of two years.
6.57	Consideration of application of M/s Crystal Crop Protection Ltd., for grant of registration for indigenous manufacture of Fluxapyroxad Technical 98% w/w Min. under section 9(3) TIM vs TI of the Insecticide Act, 1968.

	RC deliberated the agenda and approved for grant of registration for Technical Indigenous manufacture of Fluxapyroxad Technical 98% w/w Min. under section 9(3) TIM (TIM vs TI), with a shelf life of two years.
6.58	Consideration of an application of M/s Crystal Crop Protection Ltd, for grant of registration for Formulation Indigenous Manufacture of Gibberellic acid 20% Tablet under section 9(3) FIM of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the grant of registration for Formulation Indigenous Manufacture of Gibberellic acid 20% Tablet under section 9(3) FIM for use as PGR in Tomato crop, with a shelf life of two years.
6.59	Consideration of application of M/s GSP Crop Science Limited for grant of registration for indigenous manufacture of Cyantraniliprole Technical 95.20% w/w Min. under section 9(3) TIM vs TI of the Insecticide Act, 1968.
	RC deliberated the agenda and approved for grant of registration for Technical Indigenous Manufacture of Cyantraniliprole Technical 95.20% w/w Min. under section 9(3) TIM (TIM vs TI), with a provisional shelf life of two years. A condition shall be incorporated in the CR for submission of actual Shelf-Life data as per approved guidelines, if not submitted the CR shall lapse automatically.
6.60	Consideration of application of M/s ADAMA India Pvt. Ltd., for grant of registration for Formulation Indigenous Manufacture of Fluxapyroxad 9.81% w/w + Azoxystrobin 16.36% w/w SC under section 9(3) FIM of the Insecticide Act, 1968.
	RC deliberated the agenda and approved for grant of registration for Formulation Indigenous manufacture of <i>Fluxapyroxad 9.81% + Azoxystrobin 16.36% SC</i> for control of Grape Powdery mildew; Rice Sheath blight and Chilli Powdery mildew, Anthracnose, Leaf spot and Fruit rot diseases with a shelf life of two years. A cautionary statement may be incorporated on the label and leaflet that "The product is toxic to aquatic organisms thus the product may be avoided near aquaculture".
6.61	Consideration of application of M/s GSP Crop Science Limited for grant of registration for indigenous manufacture of Cyantraniliprole 7.20% + Tolfenpyrad 12.60% + Abamectin 1.35% W/W SC under section 9(3) FIM of the Insecticide Act, 1968.

	RC deliberated the agenda and approved for grant of registration for indigenous manufacturing of Cyantraniliprole 7.20% + Tolfenpyrad 12.60% + Abamectin 1.35% W/W SC for the control of Thrips (<i>Scirtothrips dorsalis</i>), Black thrips (<i>Thrips parvispinus</i>), Fruit borer (<i>Helicoverpa armigera</i>) and yellow mites (<i>Polyphagotarsonemus latus</i>), subject to the fixation of MRL with a provisional shelf life of two years. - A condition shall be incorporated in the CR for submission of actual Shelf-Life data as per approved guidelines, if not submitted the CR shall lapse automatically. - A cautionary statement may be incorporated on the label and leaflet "The product is toxic to aquatic organisms and honeybees thus the product may be avoided near aquaculture and during active bee foraging period of the day".
6.62	Consideration of application of M/s Rallis India Limited, for grant of registration for indigenous manufacture of Pyrifluquinazon 6% + Buprofezin 30% SC under section 9(3) FIM of Insecticide Act,1968.
	RC deliberated the agenda and approved the grant of registration for indigenous manufacturing of Pyrifluquinazon 6% + Buprofezin 30% SC for the control of whiteflies and jassids on cotton crop only subject to the fixation of MRL with a shelf life of two years. A cautionary statement may be incorporated on the label and leaflet "The product is highly toxic to aquatic organisms thus the product may be avoided near aquaculture".
6.63	Consideration of application of M/s Syngenta India Pvt. Limited, for grant of registration for indigenous manufacture of Mesotrione 9.09 % w/w SC under section 9(3) FIM of Insecticide Act,1968.
	RC deliberated the agenda and approved the grant of registration for indigenous manufacture of Mesotrione 9.09 % w/w SC for control of weeds <i>Leptochloa chinensis</i>, <i>Digera arvensis</i>, <i>Amaranthus viridis</i>, <i>Trianthema portulacastrum</i>, <i>Euphorbia prostata</i>, <i>Physalis minima</i>, <i>Phyllanthus niruri</i>, <i>Chenopodium album</i> in sugarcane crop and <i>Leptochloa chinensis</i>, <i>Digera arvensis</i>, <i>Amaranthus viridis</i>, <i>Trianthema portulacastrum</i> and <i>Physalis minima</i> in Maize crop subject to MRL fixation of Mesotrione in Sugarcane and Maize crop with a shelf life of two years. A cautionary statement may be incorporated on the label and leaflet: "The product is irritant to skin and eyes and is toxic to fish; therefore, direct contact with the product should be avoided and care should be taken to

	prevent contamination of ponds, streams, lakes and other water bodies during handling and application.”
6.64	Consideration of an application of M/s Corteva Crop India Private Limited, for grant of registration for indigenous manufacture of Sulfoxaflor 3.7%w/w + Bifenthrin 11.2% w/w SE under section 9(3) FIM of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the grant of registration for indigenous manufacturing of Sulfoxaflor 3.7%w/w + Bifenthrin 11.2% w/w SE for the control of aphids, jassids and thrips on cotton crop and thrips and aphids on pomegranate crop only. Subject to the fixation of MRL with a provisional shelf life of two years. - A condition shall be incorporated in the CR for submission of actual Shelf-Life data as per approved guidelines, if not submitted the CR shall lapse automatically. - A cautionary statement may be incorporated on the label and leaflet: “The product is toxic to earthworms, honeybees and fish; therefore, care should be taken to avoid contamination of soil and water bodies, and application should be avoided during the active bee foraging period of the day.”
6.65	Consideration of an application of M/s P I Industries Ltd, for grant of registration for indigenous manufacture of Dicloromezotiaz 20% w/w SC under section 9(3) FIM of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the grant of registration for indigenous manufacturing of Dicloromezotiaz 20% w/w SC for the control of Green semilooper (<i>Chrysodeixis</i> sp.), Pod borer (<i>Helicoverpa armigera</i>) and Tobacco caterpillar (<i>Spodoptera litura</i>); Diamond Back Moth (<i>Plutella xylostella</i>) and Tobacco Caterpillar (<i>Spodoptera litura</i>) on cabbage crop; Fruit Borer (<i>Helicoverpa armigera</i>) and Tobacco Caterpillar (<i>Spodoptera litura</i>) on chilli crop; fruit borer (<i>Helicoverpa armigera</i>) on tomato crop only subject to the fixation of MRL with a shelf life of two years.
6.66	Consideration of application of M/s P I Industries Ltd, for grant of registration for indigenous manufacture of Dicloromezotiaz Technical 95.5% Min. under section 9(3) TIM of the Insecticide Act, 1968.
	RC deliberated the agenda and approved for grant of registration for Technical Indigenous Manufacture of Dicloromezotiaz Technical 95.5% w/w Min. under section 9(3) TIM, with a provisional shelf life of two years.

	i. A condition shall be incorporated in the CR for submission of actual Shelf-Life data as per approved guidelines, if not submitted the CR shall lapse automatically. ii. A condition shall be incorporated in the CR for submission of actual Shelf-Life data as per approved guidelines, if not submitted the CR shall lapse automatically.
6.67	Consideration of an application of M/s Kansai Nerolac Paints Ltd., for grant of registration for indigenous manufacture of Permethrin 0.94 % w/w Insecticidal Paint formulation u/s section 9(3) FIM of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the grant of registration for formulation Indigenous Manufacturing of Permethrin 0.94 % w/w Insecticidal Paint for the control of mosquito species <i>Aedes aegypti</i> , <i>Anopheles stephensi</i> & <i>Culex quinquefasciatus</i> under household conditions with a shelf life of two years. A condition shall be incorporated in label and leaflet & CR pertaining to skin sensitization and ecotoxicity of the product.
6.68	Consideration of an application of M/s. Coromandel International Ltd., for grant of registration for indigenous manufacture of Nitenpyram 20 % + Pymetrozine 60 %w/w DF u/s 9(3) FIM of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the grant of registration for formulation Indigenous Manufacturing of Nitenpyram 20 % + Pymetrozine 60 %w/w DF for the control of brown plant hopper (<i>Nilaparvata lugens</i>) and white backed plant hopper (<i>Sogatella furcifera</i>) on rice crop only with a provisional shelf life of two years. A cautionary statement may be incorporated on the label and leaflet that "The product is highly toxic to fish, aquatic organisms, and honey bees thus its use in around water bodies and during active foraging period of bees should be avoided"
6.69	Consideration of an application of M/s. Mahamaya Lifesciences Ltd., for grant of registration of Spinosad Technical 92.00 % w/w Min. for TI-(New Source) u/s 9(3) of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s. Mahamaya Lifesciences Ltd., for grant of registration of Spinosad Technical 92.00 % w/w Min. for TI-(New Source) M/S Hebei Xingbai Kangwei Science and Technology Co., Ltd., Nanbaishe Bio-Industrial Park, Zhao County, Hebei Province, China, valid up to 08-09-2028, through supplier Sinon

	Corporation, 1F. No.101, Nanrong Road, Dadu District, Taichung City 43245, Taiwan., R.O.C., subject to submission of documents as per extended guidelines approved in 468th & 470th RC meeting, Apostille /notarized copy of application form containing Chemical Composition submitted to the regulatory authority in the exporting country with a undertaking by the source that their source can be cancelled without any notice, if their Chemical Composition is found different from the registered one at the time of registration, hard-copy Affidavit / ICAMA / Consent (Apostilled/Legalized) with geo tagging of manufacturing source etc. The RC observed that the analysis of moisture content in PRV using weight and dry loss basis has been done, whereas the Dean and Stark method analysis may be the referee method of analysis and being fermented product moisture may be an added advantage
6.70	Consideration of an application of M/s Willowood Chemicals Ltd., for grant of registration of Bentazone Technical 97.00 % w/w Min. for TI-(New Source) u/s 9(3) of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s. Willowood Chemicals Ltd., for grant of registration of Bentazone Technical 97.00 % w/w Min. for TI-(New Source) M/s Anhui Zhongshan Chemical Industry Co. Ltd., Add: - Xiangyu Town, Chemical Industry Park, Dongzhi County, Anhui Province, China., valid up to 17/11/2026, through supplier M/s Willowood (Hangzhou) Co. Ltd., Room No. 2003, Golden Plaza, No.118, Qingchun Road, Xiacheng District, Hangzhou City, Zhejiang Province, China., subject to submission of documents as per extended guidelines approved in 468th & 470th RC meeting, apostille /notarized copy of application form containing Chemical Composition submitted to the regulatory authority in the exporting country with a undertaking by the source that their source can be cancelled without any notice, if their Chemical Composition is found different from the registered one at the time of registration, and submission of the original hard-copy Affidavit / ICAMA / Consent (Apostilled/Legalized) with geo tagging of manufacturing source, whichever is applicable, if not already submitted.
6.71	Consideration of an application of M/s Willowood Chemicals Ltd., for grant of registration of Haloxyfop-p-Methyl Technical 95.00 % w/w Min. for TI-(New Source) u/s 9(3) of the Insecticide Act, 1968.
	RC deliberated the agenda and noted that Haloxyfop-p-Methyl and Haloxyfop-R-Methyl Ester refer to the same highly effective, selective post-emergence racemic herbicide. The 'R' and 'P' denote its chemical

	configuration as the active enantiomer, making it twice as potent as the older, unresolved mixture of isomers. Haloxyfop molecules are chiral, meaning they can exist in two mirror-image forms: the R-enantiomer and the S-enantiomer. These specify the R-enantiomer, which is the biologically active form that actually kills weeds. The original herbicide was simply called haloxyfop-methyl, it was a 50/50 mix of both the active (R) and inactive (S) forms. Haloxyfop-p-methyl CAS no. is 72619-32-0 & Haloxyfop-R-methyl CAS no. is also 72619-32-0, hence synonyms. The MSDS of Haloxyfop-R-methyl is attached as annexure-6.71.1. The product is already registered in the name of Haloxyfop-R-Methyl Ester Technical 94% w/w min. u/s 9(3)-TI is registered in favour of M/s Dow AgroSciences India (P) Ltd vide agenda item 6.5 of 429th RC meeting held in June 2021 in the country. Since this applicant company and the source of import are different and the purity is more, therefore, Haloxyfop-p-Methyl Technical 95.00 % w/w Min. may be entertained for TI-(New Source) u/s 9(3), subject to submission of a satisfactory clarification why they shall not be issued the registration in the name of Haloxyfop-R-methyl technical. After affirmative submission of clarification of above concern raised by the RC, applicant has to submit information/documents as per extended guidelines approved in 468th & 470th RC meeting such as apostille /notarized copy of application form containing Chemical Composition submitted to the regulatory authority in the exporting country with a undertaking by the source that their source can be cancelled without any notice, if their Chemical Composition is found different from the registered one at the time of registration, and submission of the original hard-copy Affidavit / ICAMA / Consent (Apostilled/Legalized) with geo tagging of manufacturing source, whichever is applicable, if not already submitted.
6.72	Consideration of an application of M/s Krishi Rasayan Exports Pvt. Ltd., for grant of registration of Chlorothalonil Technical 98.50 % w/w Min. for TI-(New Source) u/s 9(3) of the Insecticide Act, 1968.
	RC deliberated the agenda and rejected the case of M/s Krishi Rasayan Exports Pvt. Ltd., for grant of registration of Chlorothalonil Technical 98.50 % w/w Min. as name and address source of manufacturer technical grade pesticide does not exists as on date on the website of ICAMA for which the applicant has been granted RTT permit to generate the data.

	<u>Bio-pesticides</u>
6.73	Consideration of applications of already registered Bio-pesticides u/s 9(3) of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the case as per Annexure-6.73.1
7.0	<u>9(4) TIM CASES</u>
7.1	Consideration of application of M/s Asiatic Green Agrico Pvt. Ltd., for grant of registration for Technical Indigenous Manufacture (TIM) of Tebuconazole Technical 95.00% min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.2	Consideration of application of M/s Dharmaj Crop Guard Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Pretilachlor Technical 96.00% w/w Min under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.3	Consideration of application of M/s Atul Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Topramezone Technical 95.80% w/w min under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.4	Consideration of application of M/s. Indus Finechem LLP for grant of registration for Technical Indigenous Manufacture (TIM) of Diclosulam Technical 94.00% w/w min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.5	Consideration of application of M/s. Indus Finechem LLP for grant of registration for Technical Indigenous Manufacture (TIM) of Oxyfluorfen Technical 97.00% w/w Min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.

7.6	Consideration of application of M/s Indus Finechem LLP for grant of registration for Technical Indigenous Manufacture (TIM) of Methoxyfenozide Technical 97.00 % w/w Min under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.7	Consideration of application of M/s Indus Finechem LLP for grant of registration for Technical Indigenous Manufacture (TIM) of Ametryn Technical 95.00 % w/w Min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.8	Consideration of application of M/s. Indus Finechem LLP for grant of registration for Technical Indigenous Manufacture (TIM) of Sulfentrazone Technical 95.00% w/w min. for under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.9	Consideration of application of M/s Agrico Organics Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Cyantraniliprole Technical 93.00% w/w Min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.10	Consideration of application of M/s CROP GROWTH (INDIA) PVT. LTD for grant of registration for Technical Indigenous Manufacture (TIM) of Bifenthrin Technical 92.00% w/w Min under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.11	Consideration of application of M/s M. G Organics Pvt. Ltd., for grant of registration for Technical Indigenous Manufacture (TIM) of Haloxyfop R Methyl Ester Technical 96.00% w/w min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.12	Consideration of application of M/s. Fengel Crop Sciences Unit II for grant of registration for Technical Indigenous Manufacture (TIM) of Chlorantraniliprole Tech. 93.00% w/w min. under Section 9(4) of the Insecticides Act, 1968.

	RC deliberated the agenda and approved the same.
7.13	Consideration of application of M/s. Pragna Pharma Private Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Pymetrozine Technical 98.00% w/w min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.14	Consideration of application of M/s. Pragna Pharma Private Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Chlorantraniliprole Tech. 93.00% w/w min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.15	Consideration of application of M/s. Indus Finechem LLP for grant of registration for Technical Indigenous Manufacture (TIM) of MESOTRIONE TECHNICAL 98% w/w min under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.16	Consideration of application of M/s Indogulf Cropsciences Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Cyantraniliprole Technical 93.00% w/w Min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.17	Consideration of application of M/s. Indus Finechem LLP for grant of registration for Technical Indigenous Manufacture (TIM) of Pretilachlor Technical 96.00% w/w Min. under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.18	Consideration of application of M/s Indus Finechem LLP for grant of registration for Technical Indigenous Manufacture (TIM) of Quinalofop Ethyl Technical 98.00% w/w Min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.19	Consideration of application of M/s INDUS FINECHEM LLP for grant of registration for Technical Indigenous Manufacture (TIM) of

	Chlorpyrphos technical 94.00% w/w Min. under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.20	Consideration of application of M/s. Indus Finechem LLP for grant of registration for Technical Indigenous Manufacture (TIM) of Chlorothalonil Technical 96.00% w/w Min. for under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.21	Consideration of application of M/s AGASTYA AGRO LIMITED for grant of registration for Technical Indigenous Manufacture (TIM) of Indoxacarb Technical 67.00% w/w Min under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.22	Consideration of application of M/s. Agro Life Science Corporation for grant of registration for Technical Indigenous Manufacture (TIM) of Fomesafen Technical 95.50 % w/w Min. under Section 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the same.
7.23	Consideration of application of M/s. Ravi Organics Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Pendimethalin Technical 90.00% w/w Min under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.24	Consideration of application of M/s. Crop Care Organics LLP for grant of registration for Technical Indigenous Manufacture (TIM) of Pendimethalin Technical 90.00% w/w Min under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.25	Consideration of application of M/s. Moti Insecticides Pvt. Ltd. for grant of registration for Technical Indigenous Manufacture (TIM) of Pendimethalin Technical 90.00% w/w Min under Section 9(4) of the Insecticides Act,1968.

	RC deliberated the agenda and rejected the application due to higher impurity reported in the ATR of CIL.
7.26	Consideration of application of M/s. Agrow Allied Ventures Private Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Metolachlor Technical 97.00% w/w Min under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.27	Follow up agenda of M/s Indus Finechem LLP for grant of registration for Technical Indigenous Manufacture (TIM) of Bispyribac Sodium Technical 95.00% w/w min. under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.28	Follow up agenda of M/s Shivalik Rasayan Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Chlorantraniliprole Technical 93.00% w/w min. under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.29	Follow up agenda of M/s Shivalik Specialities Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Boscalid Technical 96.00% w/w min. under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.30	Follow up agenda of M/s Advance Agrolife Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Fipronil Technical 92.00% w/w min. under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.31	Follow up agenda of M/s Advance Agrolife Limited for grant of registration for Technical Indigenous Manufacture (TIM) of Thiamethoxam Technical 97.00% w/w min. under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
7.32	Follow up agenda of M/s Agrow Allied Ventures Private Limited for grant of registration for Technical Indigenous Manufacture (TIM) of

	Epoxiconazole Technical 97.00% w/w min. under Section 9(4) of the Insecticides Act,1968.
	RC deliberated the agenda and approved the same.
8.0	Application for registration under section 9(4) FIM/FI/TI.
8.1	Consideration of application for 9(4) FIM u/s 9(4).
	RC deliberated the agenda and decided as per Annexure –8.1.1 In case of satisfactory cases, CRs shall be issued only after KYC compliance of the applicant account and submission of the original affidavit, as per the format provided in 439th RC, by the applicant, duly forwarded by the authorized signatory only, within 15 days from the uploading of the minutes. In case the original affidavit is already submitted, then the applicant is required to email the copy of the acknowledgement, within 15 days from the uploading of the minutes to reconcile, afterwards, no such request shall be entertained to issue the CR. It was also directed to strictly follow Gazette Notification SO 3951 (E) dated 08.08.2018 published on 09.08.2018 by the Ministry of Agriculture and Farmers Welfare, while issuing approvals.
8.2	Consideration of an application of M/s Safex Chemicals India Ltd., for grant of registration of Azoxystrobin Technical 95.00% w/w Min. for u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Azoxystrobin Technical 95.00% min for import only u/s 9(4) TI from M/s Shandong Weifang Rainbow Chemical Co Ltd., Binhai Economic Development Area, Weifang city, Shandong China-262737 with validity up to 13-06-2030, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No.: 477602-TI/9(4)2025}
8.3	Consideration of application of M/s SML Limited for grant of registration of Glufosinate Ammonium Technical 95% w/w min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Glufosinate Ammonium Technical 95% min for import only u/s 9(4) TI from M/ Shijiazhuang Richem Co Ltd., No.148 Yuhua Road, Chang An District, Shijiazhuang, China through supplier M/s Hebei Bestar Industry Co. Ltd., Room 1204-4, Yungang Road, Xiyao Village, Xinchengpu Town, Zhengding District, China (Hebei) Pilot Free Trade Zone. with validity up to 09-10-2028,

	subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No.: 476669-TI/9(4)2025}
8.4	Consideration of application of M/s SML Limited for grant of registration of Pymetrozine Technical 98.00% w/w min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Pymetrozine Technical 98.00%min for import only u/s 9(4) TI from M/ Shijiazhuang Richem Co Ltd., No.148 Yuhua Road, Chang An District, Shijiazhuang, China through supplier M/s Hebei Bestar Industry Co. Ltd., Room 1204-4, Yungang Road, Xiyao Village, Xinchengpu Town, Zhengding District, China (Hebei) Pilot Free Trade Zone. with validity up to 22-06-2029, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No.: 476668-TI/9(4)2025}
8.5	Consideration of an application of M/s GC INTL for grant of registration of Glyphosate Technical 95% w/w Min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Glyphosate Technical 95%min for import only u/s 9(4) TI from M/s Sichuan Leshan Fuhua Tongda Agro Chemical Technology Co Ltd., Wujiang Town, Hexian County, Anhui Province, China with validity up to 14.08.2027, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No 472472-TI/9(4)2025}
8.6	Consideration of application of M/s Amish Cropsciences Pvt Ltd., for grant of registration of Emamectin Benzoate-95% w/w min u/s 9(4) TI.
	RC deliberated the agenda and approved the case Emamectin Benzoate-95% min for import only u/s 9(4) TI from m/s Qilu SYNVA Pharmaceutical Co Ltd., No. 28 Licheng Ave., Linyi County, Dezhou, Shandong China with validity up to 19/03/2028 subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {file no. 487454-TI/9(4)2026}
8.7	Consideration of an application of M/s BR Agrotech Ltd., for rant of registration of Imidacloprid Technical 97% w/w Min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Imidacloprid Technical 97% for import only u/s 9(4) TI from M/s Hebei Yetian Agrochemicals Co Ltd., Industrial Zone, South of Yuanshi County, Shijiazhuang, Hebei, China through supplier M/s Hebei Bestar Industry Co., Ltd. ROOM 1204-4, Yungang Road, Xiyao Village, Xinchengpu Town, Zhengding District, China (Hebei) Pilot Free Trade Zone with validity 05/11/2028, subject to the submission of the original consent letter ,ICAMA

	Certificate and Geo tagging document from the source. {File No 480531-TI/9(4)2026}
8.8	Consideration of an application of M/s BR Agrotech Ltd.for grant of registration of Glufosinate Ammonium Technical 95.0% Min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Glufosinate Ammonium Technical 95.0%for import only u/s 9(4) TI from M/s Shijiazhuang Richem Co Ltd., NO.148 Yuhua Road, Chang An District, Shijiazhuang, China.with validity 9.10.2028, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No: 479152-TI/9(4)2025}
8.9	Consideration of an application of M/s Amish Cropsciences Pvt Ltd., for grant of registration of Carbendazim Technical 98% w/w Min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Carbendazim Technical 98% min for import only u/s 9(4) TI from M/s Anhui Huaxing Chemical Industry Co Ltd China., Wujiang Town Hexian County Anhui China PC 238251 China with validity up to 16/11/2029, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No 487476-TI/9(4)2026}
8.10	Consideration of an application of M/s Godrej Agrovet Limited for grant of registration of Chlorothalonil Technical 96% w/w Min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Chlorothalonil Technical 96% w/w for import only u/s 9(4) TI from M/s Jiangsu Xinhe Agrochemical Co Limited No 19 Xingang Road Economic Development Zone Xinyi City Jiangsu Province P R China with validity 7-11-2026, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No 477483-TI/9(4)2025}
8.11	Consideration of application of M/s. Godrej Agrovet Limited for grant of registration of Fomesafen Technical 95% w/w min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Fomesafen Technical 95% w/w minimum for import only u/s 9(4) TI from M/s Inner Mangolia Join Dream Fine Chemicals Co Ltd., Zhiongcheng Road East, Wuda Economic Development Zone, Wuhai 016000, Inner Mongolia, China with validity up to 11.05.2028, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No 480536-TI/9(4)2026}

8.12	Consideration of an application of M/s Advance Agrolife Limited for grant of registration of Imidacloprid Technical 97% w/w Min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Imidacloprid Technical 97% w/w minimum for import only u/s 9(4) TI from M/s Hebei Yetian Agrochemicals Co Ltd., Industrial Zone, South of Yuanshi County, Shijiazhuang, Hebei, China through supplier M/s Hebei Bestar Industry Co., Ltd. Room 1204-4, Yungang Road, Xiyao Village, Xinchengpu Town, Zhengding District, China (Hebei) Pilot Free Trade Zone with validity up to 05/11/2028, subject to the submission of the original consent letter ,ICAMA Certificate and Geo tagging document from the source. {File 482109-TI/9(4)2026}
8.13	Consideration of an application of M/s EWA International Agro Solutions Private Limited for grant of registration of Cartap Hydrochloride Technical 98% w/w Min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Cartap Hydrochloride Technical 98% w/w minimum for import only u/s 9(4) TI from M/s Jiangxi Oushi Chemicals Co Ltd., Salt Industrial Zone, Xingan Country, Ji'an City, Jiangxi Province, China with validity up to 06/12/2029, subject to the submission of the original consent letter ,ICAMA Certificate and Geo tagging document from the source... {File No. : 469291-TI/9(4)2025}
8.14	Consideration of an application of M/s DCGL Industries Limited for grant of registration of Imidacloprid Technical 98% Min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Imidacloprid Technical 98% w/w min for import only u/s 9(4) TI from M/s Rudong Huasheng Chemical Co Ltd Yangkou Chemical Industrial Park, Yanhai Economic Development Zone, Rudong Country, Jiansu, China with validity 18/10/2030, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No 478225-TI/9(4)2025}
8.15	Consideration of an application of M/s Sumitomo Chemical India Ltd for grant of registration of Glyphosate Technical 95.00% Min u/s 9(4) TI.
	RC deliberated the agenda and approved the case Glyphosate Technical 95.00% w/w minimum for import only u/s 9(4) TI from M/s CAC Nantong Chemical Co Ltd Fourth Huanghai Road, Yangkou Chemical Park, Rudong County, Nantong City, Jiangsu Province, P. R. China through supplier M/s

	Thai Harvest Limited RM.G, BLK4, 13/F, Kwun Tong Industrial Centre, 432-446, Kwun Tong Road, Kwun Tong KLN, Hong Kong with validity up to 30/11/2028 subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No.: 485942-TI/9(4)2026}
8.16	Consideration of applications of M/s Kunzite Crop Science Private Limited for grant of registration of Emamectin Benzoate-95%w/w min u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Emamectin Benzoate-95% w/w minimum for import only u/s 9(4) TI from M/s Qilu SYNVA Pharmaceutical Co Ltd., No. 28 Licheng Ave., Linyi County, Dezhou, Shandong China with validity up to 19.3.2028, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No.: 487138-TI/9(4)2026}
8.17	Consideration of an application of M/s Godrej Agrovet Limited for grant of registration of Fosetyl aluminium Technical 96.00% w/w Min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Fosetyl aluminium Technical 96.00% w/w min for import only u/s 9(4) TI from M/s Zhejiang Jiahua Chemical Co Ltd., Majian Town, Lanxi City, Zhejiang 321115 P R China with validity 31-03-2029., subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No: 479881-TI/9(4)2026}
8.18	Consideration of application of M/s Congrats Agropack Pvt. Ltd., for grant of registration of Pymetrozine Technical 98.00% w/w min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Pymetrozine Technical 98.00% w/w min for import only u/s 9(4) TI from M/s Shenyang Sciencreat Chemicals Co Ltd., Xihejiubei Street 17, Shenyang Economy And Technology Development Zone, Shenyang, Liaoning, 110144, Chinawith validity 23/02/2029, subject to the submission of the original consent, ICAMA Certificate and Geo tagging document from the source. {File No: 482118-TI/9(4)2026}
8.19	Consideration of an application of M/s Bayer CropScience Limited for grant of registration of Imidacloprid Technical 95.00% w/w Min. u/s 9(4) TI.

	RC deliberated the agenda and approved the case of Imidacloprid Technical 95.00% w/w minimum for import only u/s 9(4) TI from M/s Shandong Hailir Chemical Co Ltd Weifang Shandong Lingang Industrial Zone, Coastal Econ, Development Zone, Weifang, Shandong, China with validity up to 03/03/2028, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No 476664-TI/9(4)2025}
8.20	Consideration of an application of M/s Coromandel International Limited for grant of registration of Azoxystrobin Technical 98.00 % w/w Min. u/s 9(4) TI.
	RC deliberated the agenda and approved the case of Azoxystrobin Technical 98.00 w/w minimum for import only u/s 9(4) TI from M/s Jiangsu Pesticide Research Institute Co Ltd., NO 269 Changfenghe Road Chemical Industry Park Nanjing China with validity up to 27-05-2028, subject to the submission of the original consent letter, ICAMA Certificate and Geo tagging document from the source. {File No. 478638-TI/9(4)2025}
9.0	<u>ENDORSEMENT CASES</u>
	<u>Legal Endorsement Cases</u>
9.1	Consideration of the request from M/s Future Chem Agro Pvt. Ltd. for the endorsement of change of registered office address from 2775, Ground Floor, Paharganj, Delhi, New Delhi, 110055 to 109, Deep Shikha Building, Rajendra Place, New Delhi-110008 in respect of 273 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.2	Consideration of the request from Krishi Rasayan Exports Pvt. Ltd. for endorsement of additional factory address i.e. Plot No. 19/1, Phase-IV, GIDC Industrial Estate, Panoli, TA Ankleshwar, Dist: Bharuch- 394116, Gujarat in respect of Registration Certificate of Pretilachlor 37% w/w EW vide Registration No. CIR-67,008/2011-Pretilachlor (EW) (319)-448.
	RC deliberated the agenda and approved the same.
9.3	Consideration of the request from M/s FIL Industries Private Limited for the endorsement of change of corporate office address from H-88, The South Mall, South Extension-1, New Delhi-110049 To Plot No. 23, Local Shopping Centre, Near Pushpa Bhawan, Madangir, New Delhi-110062 in respect of 02 Nos. of Registration Certificates.

	RC perused the agenda and observed that the applicant has applied for the endorsement for change of its office address and being a private limited company, a query was raised to provide the proof of change of company's address from the ROC. In the response submitted by the applicant it was pointed out that there is no specific requirement under the Companies Act, 2013 for the filing of such a requirement in case of change in corporate office and such requirement only applies if the registered office address is changed. RC also observed that the applicant has not referred to any specific provision which may indicate as such. RC also further observed that such submission of proof is required under the RC guidelines/checklist which are statutory in nature and the same are required to be adhered to. RC feels that any change in any place, it shall be obvious that such changes may also be notified to the concerned Statutory Authorities. Even RC is also of the view that in order to satisfy itself any legal documents relevant to the matter may be asked to be submitted by the applicant in order to enable the RC to arrive at a subjective satisfaction before taking a final decision. The applicant had since submitted the utility bill for the premises requested to be endorsed and therefore RC feels that the request may be considered this time to avoid any delay and to facilitate the same. RC accordingly decided to approve the same subject to submission of an affidavit duly sworn in accordance with law as to the genuineness of the submissions made by the applicant with the copy of the same duly endorsed to the State Department of Agriculture to be verified by Sr. Law Officer.
9.4	Consideration of the request from M/s Dhanda Agro Chemical Industries for endorsement of additional factory address i.e. E-118 & 119 (UPSIDC) Industrial Area, Kurshi Road, Barabanki-225302, Uttar Pradesh in respect of 49 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.5	Consideration of the request from M/s Luna Sulphur Mills LLP for endorsement of change of company name from M/s Luna Propack LLP to M/s Luna Sulphur Mills LLP in respect of 10 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of

	Agriculture to be verified by Senior Law Officer. RC further direct the applicant to submit the copy of Manufacturing License issued by the State Director of Agriculture within a period of 01 month from the date of receipt of endorsement letter.
9.6	Consideration of the request from BASF India Limited for endorsement of additional factory address i.e. Plot No. 140/3, Shed No. FS 100/A, GIDC Estate, Ankleshwar, Dist. Bharuch- 393002, Gujarat, India in respect of Registration Certificate of Dimethomorph Technical 96.00% Min. vide Registration No. CIR-337711/2024-Dimethomorph (Technical) (452)-1.
	RC deliberated the agenda and approved the same.
9.7	Consideration of the request from BASF India Limited for endorsement of additional factory address i.e. Plot No. 140/3, Shed No. FS 100/A, GIDC Estate, Ankleshwar, Dist. Bharuch-393002, Gujarat, India in respect of 05 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.8	Consideration of the request from M/s Icon Crop Science for endorsement of change of factory address i.e. Plot No. 43, 44, 69, 70, Survey No. 751, Harshiddhi Industrial, Vil: Targhadi, Ta: Paddhari, Dist: Rajkot- 360110, Gujarat in respect of 142 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.9	Consideration of the request from M/s Agrois for the endorsement of change of office address from B/3560, 4th Floor, Bldg No. 103, Snehdeep CHS, Nehru Nagar, Kurla (East) Mumbai- 400024, Maharashtra, India To Unit No. 220, 2nd Floor, Bldg No. 9, Balaji Industrial Premises Co Op Soc Ltd., Jogani Industrial Complex, V N Purav Marg, Sion-Chunabhatti (East), Mumbai 400 022, Maharashtra, India in respect of Registration Certificate of Fipronil 0.05% Gel vide Registration No. CIR-148233/2018-Fipronil (Gel) (385)-1689.
	RC deliberated the agenda and approved the same.
9.10	Consideration of the request from Agro Life Science Corporation for endorsement of additional factory address i.e. Plot No. 19/1, Phase-IV, GIDC Industrial Estate, Panoli, Ta: Ankleshwar, Dist: Bharuch-394116, Gujarat in respect of Registration Certificate of Pretilachlor 37% w/w EW vide Registration No. CIR-115252/2014-Pretilachlor (EW)(350)-105.
	RC deliberated the agenda and approved the same.

9.11	Consideration of the request from M/s A.G.R. Pioneer Seeds Private Limited for endorsement of change of factory address from Village-Sajjan Para, Dakhni Road, Azara, Guwahati, Kamrup Metro- 781015 To Patgaon, Accoland-Rani Road, Guwahati, Distt.-Kamrup (M), State-Assam, Pin- 781017 in respect of 06 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.12	Consideration of the request from M/s Scimax Agrosiences Private Limited for endorsement of change of company name from M/s Agriserve To M/s Scimax Agrosiences Private Limited in respect of 127 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.13	Consideration of the request from M/s Swarnabhumi Industries for endorsement of change of factory address i.e. Plot No. A13, Yogeshwar Industrial Estate, B/H- Shivam Estate, Phase: III, GIDC, Chhatral-382729, Ta: Kalol, Dist: Gandhinagar, Gujarat in respect of 27 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.14	Consideration of the request from M/s Mahindra Summit Agriscience Limited for the endorsement of change of office address from Gate No. 2, Tractor Division, Akurli Road, Kandivali East, Mumbai, 400101, Maharashtra, India To Mahindra Tower, Dr. G.M. Bhosale Marg, P.K. Kurne Chowk, Worli, Mumbai, 400018, Maharashtra, India in respect of 05 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.15	Consideration of the request from M/s HMT Organics for endorsement of additional factory address i.e. Plot No. A1, 5302 and 5303, GIDC, NR. J.P. Industries, Megh Chowkadi, Ankleshwar- 393003, Dist: - Bharuch, Gujarat in respect of 11 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.16	Consideration of the request from Boston Bulk Chemicals (India) Limited for endorsement of change of company name from Boston Bulk Chemicals (India) Pvt. Ltd. To Boston Bulk Chemicals (India) Limited in respect of 180 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy

	of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.
9.17	Consideration of the request from M/s Ganesh Agri Care for endorsement of additional factory address i.e. 621-P/38, Harigiri Compound, Near-Jal Aqua, GIDC Panoli, At: Panoli, Ta: Ankleshwar, Dist: Bharuch- 394115, Gujarat in respect of 39 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.18	Consideration of the request from M/s Alert Biotech Private Limited for endorsement of change of company name from M/s Alert Biotech to M/s Alert Biotech Private Limited in respect of 17 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.
9.19	Consideration of the request from Jaishil Sulphur & Chemical Industries for endorsement of additional factory address i.e. Plot No. A/20, MIDC, Phase-I, Near Vikas Chemicals, Dombivali (East), Dist- Thane, Pincode- 421203, Maharashtra in respect of 03 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.20	Consideration of the request from M/s Nandi Fertilizers Pvt. Ltd. for endorsement of change of company name from M/s Nandi Agrotech Pvt. Ltd. To M/s Nandi Fertilizers Pvt. Ltd. in respect of 126 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.
9.21	Consideration of the request from Swastik Pesticides Ltd. for endorsement of complete factory address i.e. 3.5 Kms, Bhopa Road, Muzaffarnagar-251001, Uttar Pradesh in respect of 188 Nos. of Registration Certificates.

	RC deliberated the agenda and approved the same.
9.22	Consideration of the request from M/s Ascent Crop Science for endorsement of additional factory address i.e. SURVEY NO. 86/P1 + 86/P3 + 86/P4, SUB PLOT NO. 86-P/1,3,4/1, AT: -VERAVAL, TA: - KOTDA SANGANI, DIST: - RAJKOT -360024, Gujarat (India) in respect of 36 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.23	Consideration of the request from M/s Seedlings India Pvt. Ltd. for the endorsement of change of registered office address from S-1A, First Floor, Bhagwan Dass Nagar, East Punjabi Bagh, New Delhi-110026 to B-4, First Floor, Bhagwan Dass Nagar, East Punjabi Bagh, New Delhi-110026 in respect of 73 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.24	Consideration of the request from M/s Saffire Crop Science Pvt. Ltd. for endorsement of transfer of 02 CRs i.e. (i) Azoxystrobin Technical 98.0% w/w min. vide Registration No. CIR-358983/2026-4zoxystrobin (Technica I) (468)-2 and (ii) Butachlor Technical 95.00% w/w min. vide Registration No. CIR-358984/2026-Butachlor (Technical) (468)-8 from M/s Nexus Crop Science Pvt. Ltd. to M/s Saffire Crop Science Pvt. Ltd.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by both the transferor and the transferee duly sworn in accordance with Law, inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.
9.25	Consideration of the request from M/s BHL Rasayan Udyog India Pvt. Ltd. for endorsement of additional factory address i.e. Plot No. 714, Village Kakrana, Mansuri Dhaulana Gulawati Road, Thesil-Dhaulana, District- Hapur, Uttar Pradesh -245301 in respect of 91 Nos. of Registration Certificates
	RC deliberated the agenda and approved the same.
9.26	Consideration of the request from M/s Tagros Chemicals India Private Limited for endorsement of additional factory address i.e. Plot No. 133-134, GIDC Estate, Ankleshwar, Dist-Bharuch- 393002, Gujarat, India in respect of Registration Certificate of Spirotetramat Technical 96.50% w/w Min vide Registration No. CIR-24757/2025-Spirotetramat (T) (467).

	RC deliberated the agenda and approved the same.
9.27	Consideration of the request from M/s Rainbow Agrosiences Pvt. Ltd. for endorsement of additional factory address i.e. Facility F, Survey No. 40, Yashkamal Industrial Estate, Baska-Tajpura Road, Panelav, Halol, Dist.- Panchmahals- 389350, Gujarat in respect of 02 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.28	Consideration of the request from M/s Linuxcrop Chemicals Ltd. for endorsement of change of company name from M/s Linuxcrop Chemicals Pvt. Ltd. To M/s Linuxcrop Chemicals Ltd. in respect of 119 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.
9.29	Consideration of the request from M/s Indofil Industries Limited for endorsement of duplicate Registration Certificate of Metalaxyl + Mancozeb 72% WP (Matco 8-64 72% WP) vide Registration No. CIR-22150/95-Metalaxyl + Mancozeb (WP)-67.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.
9.30	Consideration of the request from Coromandel International Limited for endorsement of additional factory address i.e. Plot No. 3204A, 3204B, 3205A & 3205B, GIDC Industrial Area, Ankleshwar-393002, Dist.- Bharuch in respect of 43 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.31	Consideration of the request from Payal Dealers Pvt. Ltd. for endorsement of additional factory address i.e. JL No. 174, Village-Kanajuli Post Office-Gobarara, P.S. Gurap, Panchayat Khajudahamilki, Block Chaniakhali, Hooghly, West Bengal- 712 305 in respect of Registration Certificate of Renofluthrin 1.0% Incense Stick vide

	Registration No. CIR-362690/ 2026-Renofluthrin (Incense Stick) (469)-11.
	RC deliberated the agenda and approved the same.
9.32	Consideration of the request from Agro Life Science Corporation for endorsement of additional factory address i.e. UNIT No.2, PLOT NO. 2317, GIDC INDUSTRIAL ESTATE, PANOLI, ANKLESHWAR-394115, Gujarat in respect of 09 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.33	Consideration of the request from M/s BASF India Limited for correction in the Jammu factory address in respects of Registration Certificate of Quinclorac Technical 96% w/w Min. for Import Only vide Registration No. CIR-25275/2026-Quinclorac (Technical) (468).
	RC deliberated the agenda and approved the same.
9.34	Consideration of the request from Tagros Chemicals India Private Limited for endorsement of additional factory address i.e. Plot No. 43/1 & 43/3 GIDC Industrial Estate, Dahej, Taluka: Vagra, District Bharuch, Gujarat 392130, India in respect of 06 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.35	Consideration of the request from Excel Biotech Pvt. Ltd. for endorsement of shifting of factory address from Digberia, Tentultala, Badu Road, Dist: 24 Parganas (North), Pin: 743249. West Bengal to Village: Krishnapur, P.O.: Madanpur, Badu Road, Barasat-II, 24 Pgs (North), PIN-700128, W.B. in respect of 07 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.36	Consideration of the request from Vedeco Agrizone LLP for endorsement of change of factory address from Survey No. 298, At. Dhanot, Ta. Kalol, Dist. Gandhinagar - 382729 (Gujarat) To Sub Plot No. 4, Vibrant Prime Industrial Park, Kadadara, Dahegam, Gandhinagar, Gujarat in respect of 04 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.37	Consideration of the request from Albata Biotech India Pvt. Ltd. for endorsement of second factory address i.e. Village Jatwar, Sub Tehsil-Shahzadpur, Tehsil- Naraingarh, Dist.- Ambala, Haryana- 134201 in respect of 144 Nos. of Registration Certificates.

	RC deliberated the agenda and approved the same.
9.38	Consideration of the request from Elite Crop Science for endorsement of additional factory address Unit No. 2 i.e. Welcome Complex NH-73, VPO Mouli, Tehsil Barwala, Dist. Panchkula, Haryana in respect of 139 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.39	Consideration of the request from Farmfuel Co. for the endorsement of change of office address from Plot No. 1777, GIDC 2, Dolatpara, Junagadh 362001 (Gujarat) To 501, Silver Radiance 4, Opp. Umiya Campus, SG, SG Highway, Gota-382481, Ahmedabad (Gujarat) in respect of 246 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.40	Consideration of the request from Makam Agrochem P. Ltd. for endorsement of additional factory address i.e. Survey No. 1/1B, 1/2P Gangadharanapalya Village, Kasaba Hobli, Nelamangala Taluk, Bangalore Rural District- 562123 in respect of 139 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.41	Consideration of the request from Grow Green India Pvt. Ltd. for endorsement of change of company name from Grow Green Agro Industries to Grow Green India Pvt. Ltd. in respect of 256 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.
9.42	Consideration of the request from M/s JK Chemicals Global Private Limited for endorsement of change of company name from M/s J.K. Chemicals To M/s JK Chemicals Global Private Limited in respect of 287 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.

9.43	Consideration of the request from M/s Rammam Agro Industries Private Limited for endorsement of change of factory address from Plot No. 7830/2 GIDC Ankleshwar Dist. Bharuch State: Gujarat 393002 to Block No. 286, 311, Plot No. B-7, Rise on Industrial and Logistic Park, Village: Nana Borsara -394115 Tal: Mangrol, Dist: Surat State: Gujarat in respect of 73 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.44	Consideration of the request from M/s Landwirt Crop Science for endorsement of change of factory address i.e. SURVEY NO- 178, PLOT NO. 7/2, SHIV INDUSTRIAL PARK, PADDHARI BY-PASS, AT: MOVIYA, TA: - PADDHARI, DIST: RAJKOT-360110, Gujarat in respect of 161 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.45	Consideration of the request from Nitapol Industries for the endorsement of change of office address from 11/36, Canel Park (Nabapally), New Barrakpur, Kolkata-700131, West Bengal to Vill: Kayemba, P.O.: Kirtipur, G.P.: Kemia Khamarpara, Block: Barasat-II, 24 Parganas (North), Pin: 743202, West Bengal in respect of 37 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.46	Consideration of the request from M/s Indogulf Cropsciences Limited for endorsement of additional factory address i.e. Khasra No. 51/2/2/1, 3/1, 4/1, 5/1/1, 30/19, 20, 30/10/1, 10/2, 11/1, 11/2, 11/3, 12/1, 12/3, 19, 20, 21/1, 22/1 (Khasra No. 67/4, 5, 6, 7, 66/10, 9/2, 2/3/1, 63/18/5, 19/1, 12/2, 20/1, 23/1, 23/2, 24, 25, Village Hullaheri) at Village Barwasni District Sonipat, Haryana in respect of 490 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.47	Consideration of the request from M/s Discover Crop Chemicals for endorsement of change of company name from M/s Jagadamba Crop Science To M/s Discover Crop Chemicals in respect of 36 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer. RC further direct the

	applicant to submit the copy of Manufacturing License issued by the State Director of Agriculture within a period of 01 month from the date of receipt of endorsement letter.
9.48	Consideration of the request from Dhanuka Agritech Limited for endorsement of additional factory address i.e. "Plot No. D-3/1/A At Dahej III Industrial Estate, Village – Dahej, Taluka – Vagra, District – Bharuch-392130, Gujrat, India in respect of Registration Certificate of Iprovalicarb Technical vide Registration No. CIR-945/2009(298)-Iprovalicarb (T)-01.
	RC deliberated the agenda and approved the same.
9.49	Consideration of the request from Saraswati Agrochemicals (India) Pvt. Ltd. for endorsement of additional factory address i.e. Lane No. 1, Phase-1, SIDCO Industrial Complex, Bari Brahmana, District Samba, 181133 (J&K) in respect of 03 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
9.50	Consideration of the request from Aagman Insecticides LLP for endorsement of change of company name from Real Insecticides to Aagman Insecticides LLP in respect of 112 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.
9.51	Consideration of the request from Dhanuka Agritech Limited for endorsement of additional factory address i.e. "D1A-D1B, Ajanta Industrial Estate AT-Vasana-Iyava, Sanad, Viramgam Road – 382170, Ahmedabad, Gujrat, India in respect of 02 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
	<u>Chemistry Endorsement Cases</u>
9.52	Consideration of an application of M/s BASF India Limited., for Endorsement of name of supplier of already approved source of import on the registration certificate of Chlorfenapyr Technical 94 % w/w min., registered u/s 9(3) TI of Insecticide Act, 1968.

	RC deliberated the agenda and approved the case of M/s BASF India Limited for endorsement of the name of supplier as "BASF Agro B.V. Arnhem (NL) Freienbach Branch, Huobstrasse, 8808, Pfaeffikon, Switzerland." with approved source of Import M/s BASF Corporation, Hannibal Plant, 3150 Highway, JJ Palmyra Missouri 63461, United States of America, on the registration certificate of Chlorfenapyr Technical 94 % w/w min., registered u/s 9(3) TI of Insecticide Act, 1968, subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted
9.53	Consideration of an application of M/s BASF India Limited., for Endorsement of name of supplier of already approved source of import on the registration certificate of Teflubenzuron Technical 98 % w/w min., registered u/s 9(3) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s BASF India Limited for endorsement of the name of supplier as "BASF Agro B.V. Arnhem (NL) Freienbach Branch, Huobstrasse, 8808, Pfaeffikon, Switzerland." with approved source of Import M/s M/s Dynamit Nobel GmbH (Novasep Synthesis), Kalkstrasse 21851377, Leverkusen, Germany, on the registration certificate of Teflubenzuron Technical 98 % w/w min. registered u/s 9(3) TI of Insecticide Act, 1968, , subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted..
9.54	Consideration of an application of M/s BASF India Limited., for Endorsement of name of supplier of already approved source of import on the registration certificate of Metiram 44% + Dimethomorph 9% WG, registered u/s 9(3) FI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s BASF India Limited for endorsement of the name of supplier as "BASF Agro B.V. Arnhem (NL) Freienbach Branch, Huobstrasse, 8808, Pfaeffikon, Switzerland." with approved source of Import M/s BASF SE, Carl-Bosch-Strasse 38, 67056, Ludwigs-hafen, Germany, on the registration certificate of Metiram 44% + Dimethomorph 9% WG, registered u/s 9(3) TI of Insecticide Act, 1968, subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted.
9.55	Consideration of an application of M/s BASF India Limited., for Endorsement of name of supplier of already approved source of import

	on the registration certificate of Imazamox Technical 93% w/w min., registered u/s 9(3) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s BASF India Limited for endorsement of the name of supplier as "as "BASF Agrochemical Products B.V. DBA BASF Agricultural Prod De Puerto Rico State Road No. 2, KM 47.3Manati, PR 00674, USA,," with approved source of Import M/s BASF Corporation, Hannibal Plant, 3150 Highway, JJ Palmyra Missouri, United States of America., on the registration certificate of supply Imazamox Technical 93% w/w min., registered u/s 9(3) TI of Insecticide Act, 1968, , subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted
9.56	Consideration of an application of M/s BASF India Limited., for Endorsement of name of supplier of already approved source of import on the registration certificate of Broflanilide 300 g/L SC, registered u/s 9(3) FI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s BASF India Limited for endorsement of the name of supplier as "BASF Agrochemical Products B.V. DBA BASF Agricultural Prod De Puerto Rico State Road No. 2, KM 47.3 Manati, PR 00674, USA,," with approved source of Import with approved source of Import M/s BASF Corporation (Sparks Plant), 14284 Highway 41 N, Sparks, Georgia 31647, USA, on the registration certificate of Broflanilide 300 g/L SC. , registered u/s 9(3) FI of Insecticide Act, 1968, , subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted.
9.57	Consideration of an application of M/s Corteva Crop India Private Limited for Extension of validity of source of Import U/s 9(3) on the registration certificate of Fluroxypyr-meptyl technical 95% w/w min. registered u/s 9(3) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s Corteva Crop India Private Limited., for Extension of validity up to 15/02/2027, as per the validity of registration certificate in the country of origin, of source of Import M/s Corteva Agri Science S.A.S, BP 20-8 route de Herrlisheim, 67410 drusenheim, France , on registration certificate of Fluroxypyr-meptyl technical 95% w/w min., registered u/s 9(3) TI, subject to submission of the original hard-copy Affidavit / ICAMA / Consent

	(Apostilled/Legalized) with geo tagging of manufacturing source, whichever is applicable, if not already submitted
9.58	Consideration of an application of M/s Corteva Crop India Private Limited for Endorsement of change in name of supplier of already approved source of import on the registration certificate of Penoxsulam 50% MUP registered u/s 9(3) TI of Insecticide Act, 1968
	RC deliberated the agenda and approved the case of M/s Corteva Crop India Private Limited for endorsement for change in the name of supplier from M/s Dow AgroSciences LLC, 9330 Zions Ville Road, Indianapolis, Indiana 46268, USA” to “M/s Corteva Agriscience LLC, 9330 Zions Ville Road, Indianapolis, IN 46268, USA., with approved source of import as M/s Corteva Agriscience LLC Van Diest Supply Company, 1434 220th Street, Webster City, Iowa, USA – 50595-0610, on the registration certificate of Penoxsulam 50% MUP., registered u/s 9(3) TI of Insecticide Act, 1968, , subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted.
9.59	Consideration of an application of M/s Willowood Chemicals Ltd., for Extension of validity of source of Import of Carbendazim Technical 98% w/w min. registered u/s 9(3) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s Willowood Chemicals Ltd., for Extension of validity up to 23/12/2027, as per the validity of registration certificate in the country of origin, of source of Import M/s Ningxia Ruitai Technology Co., Ltd., Add: Fine chemical park, Zhongwei Industry Complex, Ningxia China, on registration certificate of Carbendazim technical 98 % registered u/s 9(3) TI, subject to submission of the original hard-copy Affidavit / ICAMA / Consent (Apostilled/Legalized) with geo tagging of manufacturing source, whichever is applicable, if not already submitted.
9.60	Consideration of an application of M/s Willowood Chemicals Ltd., for regularization of shelf life on Registration Certificate of Myclobutanil Technical 95% w/w min. registered u/s 9(3) TI of Insecticide Act, 1968
	RC deliberated the agenda and approved the case of M/s Willowood Chemicals Ltd., for regularization of shelf life on Registration Certificate of Myclobutanil Technical 95% w/w min. registered u/s 9(3) TI of Insecticide Act, 1968, subject to submission of (Apostilled/Legalized geo tagging of manufacturing source, if not already submitted.

9.61	Consideration of an application of M/s Willowood Chemicals Ltd., for Extension of validity of source of Import of Acetamiprid Technical 99% w/w Minimum registered u/s 9(3) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s Willowood Chemicals Ltd., for Extension of validity up to 14/04/2031, as per the validity of registration certificate in the country of origin, of source of Import M/s Hengshui Northern Pesticide and Chemical Co. Ltd., on registration certificate of Acetamiprid Technical 99% w/w Minimum, registered u/s 9(3) TI, subject to submission of the original hard-copy Affidavit / ICAMA / Consent (Apostilled/Legalized) with geo tagging of manufacturing source, whichever is applicable, if not already submitted.
9.62	Consideration of an application of M/s Willowood Chemicals Ltd., for Endorsement of name of supplier of already approved source of Import of Carbendazim Technical 98% w/w min. registered u/s 9(3) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s Willowood Chemicals Ltd for endorsement of the name and address of supplier to be added is as Willowood (Hangzhou) Co., Ltd., Room 2003, Golden Plaza, No. 118, Qingchun Road, Hangzhou, Zhejiang, China, with approved source of import M/s Ningxia Ruitai Technology Co., Ltd., Add: Fine chemical park, Zhongwei Industry Complex, Ningxia China for Carbendazim Technical 98% w/w min., registered u/s 9(3) TI of Insecticide Act, 1968, , subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted.
9.63	Consideration of an application of M/s Tagros Chemical Pvt. Ltd. for regularization of shelf-life, on the registration certificate of Methoxyfenozide Technical 97.50% w/w Min u/s 9(3) TIM of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s Tagros Chemical Pvt. Ltd. for regularization of shelf-life, on the registration certificate of Methoxyfenozide Technical 97.50% w/w Min u/s 9(3) TIM of Insecticide Act, 1968, subject to submission of Apostilled/Legalized geo tagging of manufacturing source, if not already submitted.
9.64	Consideration of an application of M/s P I Industries Ltd. for regularization of shelf-life, on the registration certificate of Bispyribac Sodium Technical 95% w/w min u/s 9(3) TIM of Insecticide Act, 1968.

	RC deliberated the agenda and approved the case of M/s P I Industries Ltd. for regularization of shelf-life, on the registration certificate of Bispyribac Sodium Technical 95% w/w min u/s 9(3) TIM of Insecticide Act, 1968, subject to submission of Apostilled/Legalized geo tagging of manufacturing source, if not already submitted.
9.65	Consideration of an application of M/s ADAMA India Pvt. Ltd., for regularization of shelf-life, on the registration certificate of Spirotetramat Technical 96% w/w min. u/s 9(3) TIM of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s ADAMA India Pvt. Ltd., for regularization of shelf-life, on the registration certificate of Spirotetramat Technical 96% w/w min. u/s 9(3) TIM of Insecticide Act, 1968, subject to submission of Apostilled/Legalized geo tagging of manufacturing source, if not already submitted.
9.66	Consideration of an application of M/s Tropical Agrosystem (India) Pvt. Ltd., for regularization of shelf-life, on the registration certificate of Thiamethoxam 1.25%+ Fipronil 1.25%+Chlorantraniliprole 0.6%w/w GR, u/s 9(3) FIM of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s Tropical Agrosystem (India) Pvt. Ltd., for regularization of shelf-life, on the registration certificate of Thiamethoxam 1.25%+ Fipronil 1.25%+Chlorantraniliprole 0.6%w/w GR, u/s 9(3) FIM of Insecticide Act, 1968 subject to submission of Apostilled/Legalized geo tagging of manufacturing source, if not already submitted.
9.67	Consideration of an application of M/s Crimsun Organics Private Limited., for regularization of shelf-life, on the registration certificate of Fluroxypyr Meptyl Technical 95.0% w/w min., u/s 9(3) TIM of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s Crimsun Organics Private Limited., for regularization of shelf-life, on the registration certificate of Fluroxypyr Meptyl Technical 95.0% w/w min., u/s 9(3) TIM of Insecticide Act, 1968 subject to submission of Apostilled/Legalized geo tagging of manufacturing source, if not already submitted..
9.68	Consideration of an application of M/s FMC India Private Ltd. for Extension of validity of source of Import of Flutriafol Technical 95% w/w min registered u/s 9(3) TI of Insecticide Act, 1968.

	RC deliberated the agenda and approved the case of M/s FMC India Pvt. Ltd. for Extension of validity up to 15/03/2031, as per the validity of registration certificate in the country of origin, of source of Import is M/s Adama Huifeng Jiangsu Ltd. Weier Road South Area of Ocean Economic Development Zone Dafeng Yancheng City Jiangsu 224145 PR China., on registration certificate of Flutriafol Technical 95% w/w min., registered u/s 9(3) TI, subject to submission of the original hard-copy Affidavit / ICAMA / Consent (Apostilled/Legalized) with geo tagging of manufacturing source, whichever is applicable, if not already submitted.
9.69	Consideration of an application of M/s Indofil Industries Ltd. for Extension of validity of source of Import of Propaquizafop 10% w/w EC. registered u/s 9(4) FI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s Indofil Industries Ltd for Extension of validity, of approved source of import. M/s ADAMA Agan Ltd., Ashdod,7710201, P.O. Box 262, Israel, as per the validity of source in the country of origin, valid until June2027, on registration certificate of Propaquizafop 10% w/w EC registered u/s 9(4) FI, subject to submission of the original hard-copy Affidavit /Consent (Apostilled/Legalized) with geo tagging of manufacturing source, whichever is applicable, if not already submitted.
9.70	Consideration of an application of M/s BARRIX AGRO SCIENCES PRIVATE LIMITED, for Endorsement of name of supplier of already approved source of import on the registration certificate of Cartap Hydrochloride Technical 98% w/w min registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s BARRIX AGRO SCIENCES PRIVATE LIMITED, for endorsement of the name of the supplier as M/s China Jiangsu International Chemical Co., Ltd. (ADD: 24F, No. 8 Zhongshan Nanlu, Nanjing, 210005, P.R. China), from approved source of Import M/s M/s Jiangxi Oushi Chemical Co. Ltd., Salt Industrial Zone, Xingan County JiAN City, Jiannxi Provinve China under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate Cartap Hydrochloride Technical 98% w/w min., subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.

9.71	Consideration of an application of M/s Willowood Chemicals Ltd., for Endorsement of name of supplier of already approved source of import on the registration certificate of Carbendazim Technical 98% w/w Min. registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s Willowood Chemicals Limited, for endorsement of the name of the supplier as M/s Willowood (Hangzhou) Co., Ltd., Room No. 2003, Golden Plaza, No. 118, Qingchun Road, Hangzhou, Zhejiang, China, from approved source of Import M/s Anhui Huaxing Chemical Industry Co., Ltd. Wujiang Town, Hexian County, Anhui, Province P R China under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Carbendazim Technical 98% w/w Min., subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.72	Consideration of an application of M/s Willowood Chemicals Ltd., for Endorsement of name of supplier of already approved source of import on the registration certificate of Flusilazole Technical 95% w/w min registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s Willowood Chemicals Limited, for endorsement of the name of the supplier as M/s Willowood (Hangzhou) Co., Ltd., Room No. 2003, Golden Plaza, No. 118, Qingchun Road, Hangzhou, Zhejiang, China, from approved source of Import M/s Anhui Huaxing Chemical Industry Co., Ltd. Wujiang Town, Hexian County, Anhui, Province P R China under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Flusilazole Technical 95% w/w min., subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.73	Consideration of an application of M/s ADAMA India Pvt. Ltd. for Extension of validity of source of Import of Imazethapyr Technical 98% w/w Min. registered u/s 9(4) TI of Insecticide Act, 1968.

	RC deliberated the agenda and approved the application of the M/s ADAMA India Pvt. Ltd. for endorsement of the extension of validity of source of import as M/s Weifang Cynda Chemical Co Ltd., (Add: No. 2 of East Partial Lingang Chemical Zone, Binhai Economic Development Area, Weifang Shandong, pr. China, valid up to 29.12.2030 under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Imazethapyr Technical 98% w/w min., subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.74	Consideration of an application of M/s Ratnakar India Limited, for Endorsement of name of supplier (addition) of already approved source of import on the registration certificate of ETHEPHON Technical 90% Min. registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s Ratnakar India Limited,, for endorsement of the name of the supplier (addition) as M/s Jiangsu SNK Biotechnology Co. Ltd. Address – No.1502, Blog 131, No.3 District Aoling Qinghua Housing, No.1627 Zhong Shan South Road, Taihu Xincheng, Wujiang District, Suzhou City, Jiangsu Province, China from approved source of Import M/s M/S JIANGSU CF AGROCHEMICAL CO. LTD with address – Binhai Coastal Economic Development Zone, District Yancheng 224555, Jiangsu Province, China. Under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of ETHEPHON Technical 90% w/w min., subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.75	Consideration of an application of M/s Ratnakar India Limited, for Endorsement of name of supplier (addition) of already approved source of import on the registration certificate of Azoxystrobin Technical 97% Min. registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s Ratnakar India Limited, for endorsement of the name of the supplier (addition) as M/s SUZHOU EVERBRIGHT IMP. & EXP CO. LTD. Address R#205, Blog C-2. Dafa Trading Center, Jiaotong South Road, Wuliang City, Jiangsu Province, China from approved source of Import M/s SHANDONG HAILIR CHEMICAL

	CO LTD with address Lingang Industrial Zone, Coastal Econ, Development Zone, Weifang Shandong, China. Under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Azoxystrobin Technical 97% w/w min., subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.76	Consideration of an application of M/s BR Agrotech Limited, for Endorsement of name of supplier (addition) of already approved source of import on the registration certificate of Kresoxim methyl Technical 95.00% w/w min registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s BR Agrotech Limited, for endorsement of the name of the supplier (addition) as M/s FJ AGROCHEMICALS CO., LTD, Address: Room 1113, No. 30, Lane 2419, Hunan Road, Pudong District, Shanghai P.R. China. from approved source of Import M/s Anhui Huaxing Chemical Industry Co., Ltd. Wujiang Town, Hexian County, Anhui, China. Under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Kresoxim methyl Technical 95.00% w/w min., subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.77	Consideration of an application of M/s BR Agrotech Ltd., for Endorsement of name of supplier of already approved source of import on the registration certificate of Carbendazim Technical 98% w/w Min. registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s BR Agrotech Limited, for endorsement of the name of the supplier (addition) as M/s FJ AGROCHEMICALS CO., LTD, Address: Room 1113, No. 30, Lane 2419, Hunan Road, Pudong District, Shanghai P.R. China. from approved source of Import M/s Anhui Huaxing Chemical Industry Co., Ltd. Wujiang Town, Hexian County, Anhui, China. Under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Carbendazim Technical 98% w/w Min, subject to submission of the original hard-copy Affidavit / DNA /

	Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.78	Consideration of an application of M/s SML Limited, for Endorsement of name of supplier (addition) of already approved source of import on the registration certificate of Carbendazim Technical 98% w/w min. registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s SML Limited, for endorsement of the name of the supplier (addition) as M/s Anhui Zhongcheng Agriculture Co., Ltd , Address : 303 G2 Xingmengyuan, 198# Mingzhu avenue, Hefei, City, China from approved source of Import as M/s, Anhui Huaxing Chemical Industry Co., Ltd., located at Wujiang Town, Hexian County, Anhui Province, China under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Carbendazim Technical 98% w/w min, subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.79	Consideration of an application of M/s Sinochem India Company Pvt Limited, for Endorsement of name of supplier of already approved source of import on the registration certificate of Cartap Hydrochloride Technical 98% w/ww min registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s Sinochem India Company pvt. ltd, for endorsement of the name of the supplier (addition) as M/s Sinochem Agro Co., Ltd. having office address at 5th Floor, No. 567, Bocheng Road, Pudong New Area, Shanghai, 200126, P. R. China, from approved source of Import M/S JIANGXI OUSHI CHEMICAL CO., LTD. (ADD: SALT INDUSTRIAL ZONE, XINGAN COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA. Under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of <i>Cartap Hydrochloride Technical 98%</i> subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.

9.80	Consideration of an application of M/s K R Life Sciences Pvt. LTD., for Endorsement of name of supplier of already approved source of import on the registration certificate of Fosetyl-Aluminium Technical 96% Min registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s K R Life Sciences Pvt. LTD, for endorsement of the name of the supplier as M/s Shanghai Agrotree Chemical Co., Ltd., Add: Room B515, No. 2250, South Pudong Road, Pudong New Area, Shanghai, China, from approved source of Import M/s Zhejiang Jiahua Chemical Co., Ltd., Add: Majian Town, Lanxi City, Zhejiang Province, China, Under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Fosetyl-Aluminium Technical 96% w/w min., subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.81	Consideration of an application of M/s CONGRATS AGROPACK PVT. LTD., for Endorsement of name of supplier (addition) of already approved source of import on the registration certificate of Bispyribac Sodium Technical 98.00% w/w min registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s CONGRATS AGROPACK PVT. LTD, for endorsement of the name of the supplier (addition) as M/s FJ Agrochemicals Co, Ltd. Address: Room 1113, No. 30, Lane 2419, Hunan Road, Pudong District, Shanghai P.R. China from approved source of Import M/s Hefei Xingyu Chemical Co. Ltd. Address: Cyclic Economic Industrial Zone, Feidong County, Hefei, P.R. China under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Bispyribac Sodium Technical 98.00% w/ww min., subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.82	Consideration of an application of M/s K R Life Sciences Pvt. LTD., for Endorsement of name of supplier of already approved source of import on the registration certificate of Bispyribac Sodium Technical 98.00% w/w min registered u/s 9(4) TI of Insecticide Act, 1968.

	RC deliberated the agenda and approved the application of M/s K R Life Sciences Pvt. LTD., for endorsement of the name of the supplier (addition) as M/s FJ Agrochemicals Co, Ltd. Address: Room 1113, No. 30, Lane 2419, Hunan Road, Pudong District, Shanghai P.R. China from approved source of Import M/s Hefei Xingyu Chemical Co. Ltd. Address: Cyclic Economic Industrial Zone, Feidong County, Hefei, P.R. China under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of <i>Bispyribac Sodium Technical 98.00% w/w min</i> and subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.83	Consideration of an application of M/s Advance Agrolife Limited, for Endorsement of name of supplier of already approved source of import on the registration certificate of Carbendazim Technical 98% w/w min registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s Advance Agrolife Limited, for endorsement of the name of the supplier as M/s Anhui Zhongcheng Agriculture Co., Ltd with its office at 303 G2 Xingmengyuan, 198# Mingzhu Road, Gaoxin District, Hefei, Anhui. China, from approved source of Import M/s Anhui Hauxing Chemical Industry Co Ltd, Wujiang Town Hexian County Anhui China 238251. under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of <i>Carbendazim Technical 98%w/w min.</i>, subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.84	Consideration of an application of M/s NAVRATAN SPECIALTY CHEMICALS LLP. for Extension of validity of source of Import of Imazethapyr Technical 98% w/w Min. registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of the M/s NAVRATAN SPECIALTY CHEMICALS LLP, for endorsement of the extension of validity of source of import as M/s Weifang Cynda Chemical Co Ltd., (Add: No. 2 of East Partial Lingang Chemical Zone, Binhai Economic Development Area, Weifang Shandong, pr. China, valid up to 29.12.2030 under Section 9(4) of the Insecticides Act, 1968, on the

	Registration Certificate of Imazethapyr Technical 98% w/w <i>min.</i>, subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
9.85	Consideration of an application of M/s Syngenta India Private Limited, for extension of validity of source of import of Brodifacoum 0.005% w/w BB registered u/s 9(3) FI of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the case of M/s Syngenta India Private Limited, for extension of validity of source of import of Brodifacoum 0.005% w/w BB registered u/s 9(3) FI, as per the validity of source of import M/s Babolna Bio Environmental Biological Centre Limited., in the source country, which is valid up to 31/12/2026, subject to endorsement of name of source of supply of technical grade pesticide, and subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of “One Chemical Composition one CR” taken in earlier meeting.
	<u>Fungicide Endorsement Cases</u>
9.86	Consideration of application for label extension of Tebuconazole 38.39 % w/w SC for use on Soybean crop applied through drone u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Tebuconazole 38.39 % w/w SC</i> on Soybean crop for control of Leaf spots (<i>Alternaria</i>, <i>Cercospora</i> & <i>Myrothecium</i>) diseases u/s 9(3) of Insecticide Act, 1968 through drone.
9.87	Consideration of application for label extension of Prochloraz 34.8%w/w+ Propiconazole 7.8% w/w EC for use on Groundnut crop applied through drone u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Prochloraz 34.8% w/w + Propiconazole 7.8% w/w EC</i> on Ground nut crop for control of Early Leaf Spot (<i>Cercospora arachidicola</i>), Late leaf Spot (<i>Cercosporadium personatum</i>) and Rust (<i>Puccinia arachidis</i>) u/s 9(3) of Insecticide Act, 1968 through drone.

9.88	Consideration of application for label extension of Tebuconazole 38.39%w/w SC for use on Groundnut crop applied through drone u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Tebuconazole 38.39 % w/w SC</i> on Ground nut crop for control of Tikka leaf spot disease u/s 9(3) of Insecticide Act, 1968 through drone.
9.89	Consideration of application for label extension of Tebuconazole 38.39%w/w SC for use on Wheat crop applied through drone u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Tebuconazole 38.39 % w/w SC</i> on Wheat crop for control of Leaf spots (<i>Alternaria</i> , <i>Cercospora</i> & <i>Myrothecium</i>) u/s 9(3) of Insecticide Act, 1968 through drone.
9.90	Consideration of application for label extension of Pydiflumetofen 6.89% w/w + Difenconazole 11.49% w/w SC (Pydiflumetofen 7.5% w/v + Difenconazole 12.5% w/v 200 SC) for use in Cucumber for Powdery Mildew Leaf spot, Mango for Powdery Mildew and Anthracnose leaf spot, Apple for the control of Scab, Premature leaf fall, Powdery Mildew, Onion for Purple blotch, Leaf blight (<i>Stemphylium</i>) and in Potato for Early blight (<i>Altemaria solani</i>) diseases u/s 9(3) of Insecticides Act, 1968.
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Pydiflumetofen 6.89% w/w + Difenconazole 11.49% w/w SC (Pydiflumetofen 7.5% w/v + Difenconazole 12.5% w/v 200 SC)</i> on Cucumber for Powdery Mildew Leaf spot, Mango for Powdery Mildew and Anthracnose leaf spot, Apple for the control of Scab, Premature leaf fall, Powdery Mildew, Onion for Purple blotch, Leaf blight (<i>Stemphylium</i>) and in Potato for Early blight (<i>Altemaria solani</i>) diseases u/s 9(3) of Insecticide Act, 1968 subject to MRL fixation.
9.91	Consideration of application for label extension of Fluxapyroxad 167 g/L + Pyraclostrobin 333 g/L SC for use in Green Gram to control Powdery Mildew and Anthracnose diseases and in Black Gram to control Powdery Mildew and Anthracnose diseases u/s 9(3) of Insecticides Act, 1968.
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Fluxapyroxad 167 g/L + Pyraclostrobin 333 g/L SC</i> on

	Green Gram to control Powdery Mildew and Anthracnose diseases and in Black Gram to control Powdery Mildew and Anthracnose diseases u/s 9(3) of Insecticide Act,1968 subject to MRL fixation.
9.92	Consideration of application for label extension of Boscalid 25.2% + Pyraclostrobin 12.8% WG for use in Chilli to control Anthracnose & Choanephora Blight diseases u/s 9(3) of Insecticides Act, 1968
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Boscalid 25.2% + Pyraclostrobin 12.8% WG</i> on Chilli to control Anthracnose & Choanephora Blight diseases u/s 9(3) of Insecticide Act, 1968.
9.93	Consideration of application for label extension of Oxathiapiprolin 4.61% w/w + Amisulbrom 23.08% w/w SE for use in Tomato to control Late Blight diseases u/s 9(3) of Insecticides Act, 1968.
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Oxathiapiprolin 4.61% w/w + Amisulbrom 23.08% w/w SE</i> on Tomato to control Late Blight diseases u/s 9(3) of Insecticide Act, 1968 subject to MRL fixation.
9.94	Consideration of application for label extension of Hexaconazole 4 % + Zineb 68 % WP for use in Mango against Powdery mildew & Anthracnose diseases u/s 9(3) of Insecticides Act, 1968.
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Hexaconazole 4 % + Zineb 68 % WP</i> on Mango against Powdery mildew & Anthracnose diseases u/s 9(3) of Insecticide Act,1968.
9.95	Consideration of application for label extension of Tricyclazole 45% + Hexaconazole 10% WG for use on Pomegranate crop against leaf spot disease (Alternaria and Cercospora) and Fruit spot disease (Colletotrichum spp.) u/s 9(3) of Insecticides Act, 1968.
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Tricyclazole 45% + Hexaconazole 10% WG</i> on Pomegranate crop against leaf spot disease (Alternaria and Cercospora) and Fruit spot disease (Colletotrichum spp.) u/s 9(3) of Insecticide Act, 1968 subject to MRL fixation.
9.96	Consideration of application for label extension of Oxathiapiprolin 0.6% + Mancozeb 60% WG for use in Cucumber against Downy mildew disease u/s 9(3) of Insecticides Act, 1968.

	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Oxathiapiprolin 0.6% + Mancozeb 60% WG</i> on Cucumber against Downy mildew disease u/s 9(3) of Insecticide Act,1968 subject to MRL fixation.
9.97	Consideration of application for label extension of Chlorothalonil 40% w/w + Difenconazole 4% w/w SC for use in Rose to control Leaf Spots; Powdery Mildew diseases u/s 9(3) of Insecticides Act, 1968.
	RC deliberated the agenda and approved the case for grant of registration of <i>label expansion of Chlorothalonil 40% w/w + Difenconazole 4% w/w SC</i> on Rose to control Leaf Spots; Powdery Mildew diseases u/s 9(3) of Insecticide Act,1968.
9.98	9(4) Endorsement (Plant Pathology)
	RC deliberated the agenda and approved cases as per Annexure- 9.98.1
	<u>Herbicide endorsement cases</u>
9.99	Consideration of an application of M/s BASF India Ltd for label expansion on Bentazone 480 g/L for control of weeds in Mint Crop under Section 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved for label expansion on Bentazone 480 g/L for control of weeds <i>Amaranthus viridis, Euphorbia hirta, Phyllanthus niruri, Cyperus rotundus, Parthenium hysterophorus</i> and <i>Ageratum conyzoides</i> in Mint crop subject to MRL fixation.
9.100	Consideration of an application of M/s Willowood Chemicals Ltd., for endorsement of label claim expansion on label/leaflet of Registration Certificate of Paraquat Dichloride 24%+ Oxyfluorfen 5 % SC u/s 9(3) for weed management in non-crop area.
	RC deliberated the agenda and approved for label expansion of Paraquat Dichloride 24%+ Oxyfluorfen 5 % SC for control of weeds <i>Cyperus rotundus, Echinochloa colona, Cynodon dactylon, Eleusine indica, Brachiaria mutica, Imperata cylindrical, Commelina benghalensis, Lantana camara</i> in non crop area.
9.101	Consideration of an application of M/s Willowood chemicals Ltd., for label expansion of Paraquat dichloride 7.50%+ Glyphosate 30%SC (OAH56) on tea crop u/s 9(3) category of the Insecticides Act, 1968.
	RC deliberated the agenda and approved for label expansion of Paraquat dichloride 7.50%+ Glyphosate 30%SC (OAH56) for control of weeds

	<i>Digitaria ciliaris, Cynodon dactylon, Imperata cylindrical, Cyperus rotundus, Commelina benghalensis, Paspalum conjugatum., Bidens Pilosa, Ageratum conyzoides</i> in tea crop.
9.102	Consideration of an application of M/s Sumitomo Chemicals India Limited for grant of registration of Paclobutrazol 40% SC for use in Chilli and Cotton crop u/s 9(3) label expansion (END) category of the Insecticides Act, 1968.
	RC deliberated the agenda and approved for label expansion of Paclobutrazol 40% SC for use as PGR in Chilli and Cotton crop subject to MRL fixation on Chilli crop.
9.103	Consideration of an application of M/s Corteva Crop India Pvt Ltd. for Label Expansion of Florpyrauxifen Benzyl 2.7% w/w EC for Pre-plant application in puddled Direct Seeded Rice crop us 9(3) Label expansion category of the Insecticides Act, 1968.
	RC deliberated the agenda and approved for label expansion of Florpyrauxifen Benzyl 2.7% w/w EC for control of weeds Eichhornia crassipes for Pre-plant application in puddled Direct Seeded Rice crop.
9.104	Consideration of applications of Herbicides / PGR received for grant of registration for label claim expansion under section 9(4) - Endorsement category of the Insecticide Act, 1968.
	RC deliberated the agenda and approved as per Annexure-9.104.1
9.105	Consideration of applications (EN-58816) of herbicides/PGR received for grant of registration for Label Claim Expansion u/s 9(4) of the Insecticides Act, 1968.
	RC deliberated the agenda and approved as per Annexure-9.105.1
9.106	Consideration of applications of Herbicides/PGR for crop deletion in label/leaflet.
	RC deliberated the agenda and approved as per Annexure-9.106.1
	<u>Insecticide Endorsement Cases</u>
9.107	Consideration of application for registration of Spinetoram 11.7% SC for Label Expansion u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and granted the registration of label expansion of Spinetoram 11.7% SC u/s 9(3) Insecticide Act, 1968 for the control of Diamond Back moth (<i>Plutella xylostella</i>); Leaf eating Caterpillar

	(<i>Spodoptera litura</i>); Semilooper (<i>Thysanoplusia orichalcea</i>) on cabbage and cauliflower crops only. Subject to the fixation of MRL.
9.108	Consideration of application for registration of Sulfoxaflor 11.4%SC for Label Expansion u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and granted the registration of label expansion of Sulfoxaflor 11.4%SC u/s 9(3) Insecticide Act, 1968 for the control of aphids (<i>Myzus persicae</i>) on cabbage crop only. Subject to the fixation of MRL.
9.109	Consideration of application for registration of Spinetoram 5.66%+ Methoxyfenozide 28.3% SC for Label Expansion u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and granted the registration of label expansion of Spinetoram 5.66%+ Methoxyfenozide 28.3% SC u/s 9(3) Insecticide Act, 1968 for the control of Pod borers (<i>Helicoverpa armigera</i>) and Spotted pod borer (<i>Maruca vitrata</i>) on red gram crop only. Subject to the fixation of MRL.
9.110	Consideration of application for registration of Spinetoram 11.7% for Label Expansion u/s 9(3) of Insecticides Act, 1968
	Merged with agenda item 9.107
9.111	Consideration of application for registration of Chlorantraniliprole 0.45%+ Fipronil 0.5%+ Emamectin Benzoate 0.18% GR for Label Expansion u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and granted the registration of label expansion of Chlorantraniliprole 0.45%+ Fipronil 0.5%+ Emamectin Benzoate 0.18% GR u/s 9(3) Insecticide Act, 1968 for the control of yellow stem borer (<i>Scirpophaga incertulas</i>) on rice crop only. Subject to the fixation of MRL.
9.112	Consideration of application for endorsement of label claim of Novaluron 5.25%+Indoxacarb 4.5% SC in Chickpea, Soybean & Pigeon pea applied through drone.
	RC deliberated the agenda and approved for the grant of endorsement for use of drone application of already registered label claim of Novaluron 5.25%+Indoxacarb 4.5% SC in Chickpea, Soybean & Pigeon pea crops only u/s. 9(3) Insecticide Act, 1968.
9.113	Consideration of application for registration of Betacyfluthrin 8.49%+ Imidacloprid 19.81% OD for Label Expansion u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and granted the registration of label expansion of Betacyfluthrin 8.49 % + Imidacloprid 19.81 % OD u/s 9(3) Insecticide Act,

	1968 for the control of flea beetle, jassids and thrips on grapes crop only. Subject to the fixation of MRL. A cautionary statement may be incorporated on the label and leaflet "The product is highly toxic to fish, aquatic organisms, and honey bees thus its use in around water bodies and during active foraging period of bees should be avoided"
9.114	Consideration of application for registration of Fipronil 40%+ Imidacloprid 40% WG for Label Expansion u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and granted the registration of label expansion of Fipronil 40%+ Imidacloprid 40% WG u/s 9(3) Insecticide Act, 1968 for the control of white grub on arecanut crop only. Subject to the fixation of MRL.
9.115	Consideration of application for registration of Sulfoxaflor 11.4% SC for Label Expansion (Crop-Potato) u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and granted the registration of label expansion of Sulfoxaflor 11.4%SC u/s 9(3) Insecticide Act, 1968 for the control of aphids (<i>Myzus persicae</i>) on potato crop only. Subject to the fixation of MRL.
9.116	Consideration of application for registration of Sulfoxaflor 11.4% SC for Label Expansion (Crop-Cabbage) u/s 9(3) of the Insecticides Act, 1968.
	Merged with agenda item 9.108
9.117	Consideration of application for registration of Flupyradifurone 17.09% SL for Label Expansion u/s 9(3) of the Insecticides Act, 1968.
	RC deliberated the agenda and granted the registration of label expansion of Flupyradifurone 17.09% SL u/s 9(3) Insecticide Act, 1968 for the control of whitefly (<i>Bemisia tabaci</i>) and aphids (<i>Aphis gossypii</i>) on tomato crop only. Subject to the fixation of MRL.
9.118	Application of 9(4) Endorsement for Approval.
	RC deliberated the agenda and approved the endorsement cases (Annexure 9.118.1).
9.119	List of 9(4) Endorsement cases for Crop Deletion.
	RC deliberated the agenda and approved the endorsement cases (Annexure 9.119.1).
	<u>Packaging endorsement cases</u>
9.120	Endorsement of additional packaging in trilaminated pouches of capacities 50 gm, 100 gm, 250 gm, 500 gm and 1000 gm as primary packing, which shall be packed in mono cartons as secondary packing (except 500 gm & 1000 gm), which shall be further packed in CFB boxes

	as transport packing for Flonicamid 11.7% + Diafenthiuron 36% WG issued to M/s Crystal Crop Protection Ltd u/s 9(3)/F of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.121	Endorsement of additional/alternate packaging in HDPE container of 1000 ml capacity as primary packing which shall be inserted in a duplex board carton as secondary packaging which shall be further packed in 5 ply corrugated fiber board (CFB) boxes of max. capacity 12 L as Transport packaging for Cyflumetofen 20% SC issued to M/s Dhanuka Agritech Limited u/s 9(3)/ FIM of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.122	Endorsement of additional packaging in HDPE bottles of capacity 700 ml and 1.4 litres which shall be further packed in 5 ply CFB boxes of maximum capacity 11.5 Litres as transport packing for Pymetrozine 14.8% + Fipronil 7.5% + Dinotefuran 4.8% w/w SC issued to M/s Parijat Industries (India) Ltd u/s 9(3)/F of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.123	Endorsement of 50 gm Water Soluble Pouches (WSP) inserted in 250 gm, 500 gm and 1 kg tri/tetra laminated pouches as primary packing for Diafenthiuron 50% WP issued to M/s Syngenta India Private Limited u/s 9(3)/F of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.124	Endorsement of alternate packing in trilaminated pouches of capacities 125 gm, 250 gm and 500 gm which shall be packed in 3 ply CFB boxes as secondary packing (125 gm & 250 gm), which shall be further packed in 5 ply CFB boxes of maximum capacities 6 kg & 10 kg as transport packing for Lambda Cyhalothrin 24% w/w WDG issued to M/s SML Limited u/s 9(3)/F of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.125	Endorsement of bulk packaging of 200 L lacquered lined (phenolic resin) steel drum with maximum capacity of 280 kg of Fluroxypyr meptyl Technical 95% min. issued to M/s Corteva Crop India Private Limited u/s 9(3)/TI of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.

9.126	Endorsement of packing in PET bottles of capacity 50 ml and HDPE Coex bottles of capacity 50 ml, 80 ml, 100 ml, 160 ml, 250 ml, 320 ml, 500 ml, 1000 ml and 5000 ml for Triflumizole 15% w/w EC issued to M/s Mahindra Summit Agri Science Limited u/s 9(3)/F of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.127	Endorsement of alternate transport packaging in CFB boxes with maximum capacities of 4.7 L and 5.64 L for primary packs of capacities 235 ml, 470 ml & 940 ml for Triflumezopyrim 10% w/w SC issued to M/s Corteva Agriscience India Pvt. Ltd u/s 9(3)/F of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.128	Endorsement of additional packing in HDPE container of capacity 60 gm with 40 ml surfactant in PET bottle as primary packing for Tembotrione 9% + Atrazine 45% WG issued to M/s Insecticides India Limited u/s 9(3)/F of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.129	Endorsement of additional packing in Paper-plastic composite bags with a capacity of 25 Kg wherein the inner layer of Polyethylene (PE) shall be primary packing and outer layer of Polypropylene (PP) & Kraft paper which shall be transport packing for Acetamiprid Technical 99% w/w min. issued to M/s Mahamaya Lifesciences Ltd u/s 9(3)/TI of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.130	Endorsement of additional/alternate packing of 100 ml, 250 ml, 500 ml and 1000 ml HDPE primary packs in 3-ply intermediate cartons as tertiary packing for Ipflufenquin 20% w/v SC (18.30% w/w) issued to M/s Dhanuka Agritech Limited u/s 9(3)/F of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.131	Endorsement of additional packing in 500 ml and 1000 ml capacities of HDPE container as primary packing which shall be further packed in 5-ply corrugated fiber board boxes of max. capacity 10 L conforming to IS:2771(I):1990 as transport packing for Pydiflumetofen 13.6%w/w + Propiconazole 11.4% w/w SE issued to M/s Syngenta India Private Limited u/s 9(3)/FI of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.

9.132	Endorsement of additional packing in tin cans (containers) of capacity 200 ml, 375 ml, 600 ml and 650 ml as primary packing which shall be packed in PVC shrink sleeve as secondary packing, which are further packed in 5 ply CFB boxes conforming to IS: 2771(I)-1998 as transport packing for Imiprothrin 0.07% + Cypermethrin 0.2% Aerosol issued to M/s Godrej Consumer Products Ltd u/s 9(3)/F of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.133	Endorsement of additional packing in PET laminate pouches with poly as primary pack (07 sticks) which shall be packed in secondary carton (12 pouches), which shall be further packed in 5 ply CFB box (24 cartons) as transport pack for Renofluthrin 1.0% w/w Incense Sticks issued to M/s Godrej Consumer Products Ltd u/s 9(3)/F of the Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.134	Endorsement of additional/alternate packaging in PET bottle of 50 ml capacity as primary packing, further packed in 5 ply corrugated fiber board (CFB) box of max. capacity 5 L as Transport packaging for Cypermethrin 25% EC issued to M/s Dhanuka Agritech Limited u/s 9(4)/ FIM of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.135	Endorsement of additional/alternate packaging in Aluminium container of 100 ml capacity as primary packing further packed in 5 ply corrugated fiber board (CFB) box of max. capacity 5 L as Transport packaging for Flusilazole 40% EC issued to M/s Dhanuka Agritech Limited u/s 9(4)/ FIM of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.136	Endorsement of additional/alternate packaging of Azoxystrobin 11% + Tebuconazole 18.3% w/w SC for HDPE container of 1000 ml capacity as primary packing which shall be further packed in 5 ply corrugated fiber board (CFB) boxes of max. capacity 12 L as Transport packaging to M/s Dhanuka Agritech Limited u/s 9(4)/ FIM of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.137	Endorsement of additional/alternate packaging of Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w SC for HDPE container of 1000 ml capacity as primary packing which shall be packed in a 3-ply inner box

	containing six primary packs and two such inner boxes shall be further packed in 5 ply corrugated fiber board (CFB) boxes of max. capacity 12 L as Transport packaging to M/s Dhanuka Agritech Limited u/s 9(4)/ FIM of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.138	Endorsement of additional packaging of Lambda cyhalothrin 9.5% + Thiamethoxam 12.6% W/W ZC for primary packing wherein the product shall be packed in HDPE bottle of capacity 500 ml and 1000 ml as per IS 9754-1981(Reaffirmed 2018). Secondary and Transport Packaging- 5-ply CFB boxes of 12 Liters shall be the transport packing which shall conforming to IS 2771(Part-1)2002 to M/ s Parijat Industries (India) Ltd u/s 9(4)/ F of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.139	Endorsement of additional packing of 1 machine + 1 Refill (45 ml) in PET bottle shall be packed in duplex board carton as secondary packing and 48 numbers of the secondary packs shall be packed in one 5-ply corrugated fibre board box as transport packing for Transfluthrin 1.6% w/w LV issued to M/s Hindustan Foods Limited u/s 9(4)/ F of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.140	Endorsement of additional/alternate packaging of Pyrazosulfuron Ethyl 70% WDG for Tri-laminated pouch of capacity 6 gm & 12 gm as primary packing this shall be inserted in a duplex board carton 30x6 gm & 24x12 gm as secondary packaging and the 10 nos. of secondary pack (duplex) shall be further packed in 5 ply corrugated fiber board (CFB) boxes of maximum capacity 1.90 kg (6 gm) & 2.90 kg (12 gm) as transport packaging issued to M/s Dhanuka Agritech Limited u/s 9(4)/ FI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.141	Endorsement of additional packaging of capacities of 25 ml and 50 ml in HDPE bottles for Sulfentrazone 39.6% w/w SC from M/s Tropical Agrosystem (India) Pvt. Ltd u/s 9(4)/ F of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.142	Endorsement of bulk packaging of 1000 L Intermediate Bulk Container (IBC) made of HDPE for Chlorantraniliprole 50% FS from M/s Corteva Crop India Private Limited u/s 9(4)/ F of Insecticide Act, 1968.

	RC deliberated the agenda and approved the same.
9.143	Endorsement of additional packaging of 8 and 12 primary pouches in Lari Pack of Coil Sticks for Transfluthrin 0.15% Mosquito Coil from M/s Apex Health Care Products u/s 9(4)/ F of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.144	Endorsement of additional/alternate packaging in PET bottles of 45 ml capacity which shall be packed in duplex board carton as secondary packing which shall be further packed in 5 ply Corrugated Fiber Board box as transport packing for Metofluthrin 0.32% w/w Liquid Vaporizer from M/s Shree Jayalakshmi Industries u/s 9(4)/ F of Insecticide Act, 1968.
	RC deliberated the agenda and approved the same.
9.145	Request for Correction in packaging condition in certificate for the Pydiflumetofen 13.6%w/w + Propiconazole 11.4% w/w SE u/s 9(3)/FI issued to Syngenta India Private Limited.
	RC deliberated the agenda and approved the same.
9.146	Request for Correction in packaging condition in certificate for the Emamectin Benzoate Technical 95% min. u/s 9(3)/TI issued to M/s Coromandel International Limited.
	RC deliberated the agenda and approved the same.
9.147	Consideration of application received for packaging Endorsement (Me-too cases) for Ex-Post Facto approval.
	RC deliberated the agenda and approved as per Annexure-9.147.1.
	<u>Legal Endorsement Cases</u>
9.148	Consideration of the request from Agrity Crop Science for endorsement of change of company name from Agrity Crop Science to Agrity Crop Science Pvt. Ltd. In respect of 94 Nos. of registration Certificates.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.

9.149	Consideration of the request from Parijat Industries (India) Limited for permission to use of inventory stock of the printed packaging material with old company name.
	RC deliberated the agenda and approved the same subject to submission of an affidavit by the applicant duly sworn in accordance with Law inter-alia with respect to the genuineness of the submissions made with a copy of the same duly endorsed and acknowledged by the State Director of Agriculture to be verified by Senior Law Officer.
9.150	Consideration of the request from Sangyong Chemicals Pvt. Ltd. For endorsement of change of factory address from Plot No.11, Gali No 4, Azad Nagar, Hisar, Haryana-125001 to Plot No 12, Industrial Estate, Narwana, Haryana-126116 in respect of 113 Nos. of Registration Certificates.
	RC deliberated the agenda and approved the same.
	<u>Chemistry Endorsement Cases</u>
9.151	Consideration of an application of M/s Mahamaya Lifesciences Limited for Endorsement of name of supplier (addition) of already approved source of import on the registration certificate of Flusilazole Technical 95.0% w/w min. registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of M/s Mahamaya Lifesciences Limited, for endorsement of the name of the of supplier (addition) as M/s Anhui Zhongcheng Agriculture Co., Ltd with its office at 303 G2 Xingmengyuan, 198#Mingzhu Road, Gaoxin District, Hefei, Anhui, China. from approved source of Import M/s Anhui Huaxing Chemical Industry Co., Ltd. address Wujiang Town, Hexian County, Anhui, China, under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Flusilazole Technical 95.0% <i>w/w min</i> and subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of "One Chemical Composition one CR" taken in earlier meeting.
9.152	Consideration of an application of M/s Tropical Agrosystem (India) Pvt. Ltd. for Endorsement of addition of supplier of already approved source of import on the registration certificate of Chlorimuron ethyl Technical 95.0% w/w min. registered u/s 9(3) TI of Insecticide Act, 1968.

	RC deliberated the agenda and approved the application of the M/s Tropical Agrosystem (India) Pvt. Ltd. for endorsement of name of the supplier (addition) as M/s Hangzhou Qingfeng IMP. & EXP. Company Limited, (Address: No. 106 Jichang Road, Hangzhou, P.R. China from approved source of Import M/s Jiangsu Changlong Agrochemical Co., Ltd., No. 8, Tuanjie Road, Economic Development District of Taixing, Jiangsu, P.R. China. under Section 9(3) of the Insecticides Act, 1968, on the Registration Certificate of Chlorimuron ethyl Technical 95.0% w/w min and subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of "One Chemical Composition one CR" taken in earlier meeting.
9.153	Consideration of an application of M/s KR Lifesciences Private Limited for Endorsement for change of change of address of already approved source of import on the registration certificate of Cartap Hydrochloride Technical 98.0% w/w min. registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated on the agenda and approved the application of K R Lifesciences Pvt. Ltd., for endorsement of change of address of already approved source of import in the Certificate of Registration of <i>Cartap hydrochloride technical 98% w/w min.</i> under Section 9(4) of the Insecticides Act, 1968, as from M/s. Hunan Haohua Chemical Co. Ltd., No.18, Dingshan Road, Shifeng District, Zhuzhou City, Hunan, China to M/s. Hunan Haohua Chemical Co. Ltd., No.1 Yu Wang Road, High-Tech Industrial Development Zone, Youxian, Zhuzhou City, Hunan Province, China valid up to 14.11.2030 and subject to submission of the original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of "One Chemical Composition one CR" taken in earlier meeting.
9.154	Consideration of an application of M/s KR Lifesciences Private Limited for Endorsement for extension of validity of source of import on the registration certificate of Cartap Hydrochloride Technical 98.0% w/w min. registered u/s 9(4) TI of Insecticide Act, 1968.
	RC deliberated the agenda and approved the application of the M/s K R Lifesciences Pvt. Ltd. for endorsement of the extension of validity of source of import as M/s. Hunan Haohua Chemical Co. Ltd, No.1 Yu Wang Road,

	High-Tech Industrial Development Zone, Youxian, Zhuzhou City, Hunan Province, China. Under Section 9(4) of the Insecticides Act, 1968, on the Registration Certificate of Cartap hydrochloride technical 98% w/w min subject approval of another application for endorsement wrt change of source of import vide application no. EN-55949 and to the submission of original hard-copy Affidavit / DNA / Consent and Geo-tagging (Apostilled/Legalized), whichever is applicable, if already not submitted. The concerned expert has to ensure the RC decision of "One Chemical Composition one CR" taken in earlier meeting.
10.0	<u>Miscellaneous</u>
10.1	Consolidated Pendency Report relating applications for registration in CIB&RC
	RC Noted the remarkable progress made by the Sectt. of CIB&RC in reducing the pendency. It was again reiterated that more concerted efforts shall be made to bring the pendency at zero level. Communication shall be sent to DA&FW for getting approval of hiring the required personnel in tox division.
10.2	Revised Proforma of Pendency of files of Sectt. of CIB&RC.
	RC deliberated the agenda and approved the same.
10.3	Clarification regarding applicability of State Verification Letter for unfreezing of user accounts on CROP Portal in cases where no certificate has been obtained by the firm.
	The Committee deliberated upon the agenda in detail. After examination of the matter, the Committee observed that in cases where a firm/entity had merely created a user account on the CROP Portal but had not obtained any Certificate of Registration, Import Permit, RTT Permit, Free Sale Certificate, or any other approval/document from the Secretariat of CIB&RC, insistence on submission of a State Verification Letter issued by the Directorate of Agriculture may not be necessary for activation/unfreezing of the user account. However, the Committee emphasized that the existence and operational status of the firm/entity should be duly authenticated before activation of such accounts. Accordingly, the Committee decided that, in lieu of the State Verification Letter issued by the Directorate of Agriculture of the concerned State, the applicant firm/entity shall submit documentary proof issued by GST authorities or any other Government office/competent authority {Pollution Control Board, State Industrial

	Development Corporation/Industrial Area Development Authority, District Industries Centre (DIC), Directorate of Industries/Department of Industries or any other Central/State Government Department or statutory authority maintaining records of operational business establishments} which can authenticate that the business establishment/site is genuine, operational, and functional. The Committee further decided that such requests for activation/unfreezing of user accounts may be processed subject to completion of prescribed KYC requirements and submission of requisite documents as prescribed at the Secretariat level only. In all other cases, the decision taken by the RC in its 471st Meeting held on 16.04.2026 under Agenda Item No. 10.26 regarding mandatory submission of State Verification Letter shall continue to remain applicable.
10.4	Consideration of an application of M/s Sumitomo Chemicals India Limited for RTT to import of Coded Product (S-2326 300SC).
	RC deliberated the agenda and approved for Import of sample Quantity of 30L S-2326 300SC from M/s. Sumitomo Chemical Co. Ltd., Japan
10.5	Consideration of an application of M/s Sumitomo Chemicals India Limited for RTT to import of Coded Product (S-2937 200 g/l EC).
	RC deliberated the agenda and approved for Import of sample Quantity of 30L S-2937 200g/l EC from M/s. Sumitomo Chemical Co. Ltd., Japan
10.6	Consideration of an application of M/s Bayer Crop Science Limited for RTT to import of Coded Product (BCS-DE988844.1 672 G/L SC).
	RC deliberated the agenda and approved for Import of sample Quantity of 20L BCS-DE988844.1 672 g/l SC from M/s. Bayer AG, Germany.
10.7	Consideration of an application of M/s Bayer Crop Science Limited for RTT to import of Coded Product (BCS-DI42165 SC 25).
	RC deliberated the agenda and approved the import of sample quantity (30 Lts) of coded product BCS-DI42165 SC 25 to M/s Bayer Crop Science Ltd., for RTT purposes.
10.8	Consideration of an application of M/s Bayer Crop Science Limited for RTT to import of Coded Product (BCS-DS78648 EC040).
	RC deliberated the agenda and approved the import of sample quantity (30 Lts) of coded product BCS-DS78648 EC040 to M/s Bayer Crop Science Ltd., for RTT purposes.
10.9	Consideration of an application of M/s Bayer Crop Science Limited for RTT to import of Coded Product (BCS-DS65023 SC025).

	RC deliberated the agenda and approved the import of sample quantity (30 Lts) of coded product BCS-DS65023 SC025 to M/s Bayer Crop Science Ltd., for RTT purposes.	
10.10	Consideration of an application of M/s Bayer Crop Science Limited for RTT to import of Coded Product (BCS-DC31848 100 g/l SC).	
	RC deliberated the agenda and approved the import of sample quantity (50 L) of coded product BCS-DC31848 100g/l SC to M/s Bayer Crop Science Limited for RTT purpose	
10.11	Consideration of an application of M/s Syngenta India Private Limited for RTT to import of Coded Product (EXF32651A).	
	RC deliberated the agenda and approved the import of sample quantity (91 L) of coded product EXF32651A to M/s Syngenta India Private Limited for RTT purpose	
10.12	Consideration of an application of M/s Syngenta India Private Limited for RTT to import of Coded Product -SYN549772 SC (400).	
	RC deliberated the agenda and approved the import of sample quantity (56 L) of coded product SYN549772 SC (400) to M/s Syngenta India Private Limited for RTT purpose	
10.13	Consideration of an application (RTT-12067) of M/s Cheminova India Limited for RTT to export of Coded Product-ZTP98 (SC).	
	RC deliberated the agenda and approved export of sample quantity (2 L) of Coded Product-ZTP98 (SC). coded product ZTP98 (SC) to M/s Cheminova India Limited for RTT purpose	
10.14	Consideration of an application (RTT-12065) of M/s Cheminova India Limited for RTT to export of Coded Product-ZTP98 (SC).	
	RC deliberated the agenda and approved export of sample quantity (2 L) of Coded Product-ZTP98 (SC). coded product ZTP98 (SC) to M/s Cheminova India Limited for RTT purpose	
10.15	Consideration of an application of M/s BASF Agricultural Solutions India Private Limited for RTT to import of Coded Product- BAS 1050 00 H.	
	RC deliberated the agenda and approved the import of sample quantity (30 L) of coded product BAS 1050 00 H to M/s BASF Agricultural Solutions India Private Limited for RTT purpose	
10.16	Consideration of an application of M/s BASF Agricultural Solutions India Private Limited for RTT to import of Coded Product- BAS 1050 H.	

	RC deliberated the agenda and approved the import of sample quantity (12 Kg) of coded product BAS 1050 H to M/s BASF Agricultural Solutions India Private Limited for RTT purpose
10.17	Consideration of an application of M/s BASF India Limited for RTT to import of Coded Product- BAS 1010 H.
	RC deliberated the agenda and approved the import of sample quantity (20 Kg) of coded product BAS 1010 H.to M/s BASF Agricultural Solutions India Private Limited for RTT purpose
10.18	Consideration of an application of M/s BASF India Limited for RTT to import of Coded Product- BAS 1080 AI H.
	RC deliberated the agenda and approved the import of sample quantity (23 L) of coded product BAS 1080 AI H to M/s BASF Agricultural Solutions India Private Limited for RTT purpose
10.19	Consideration of an application of M/s BASF India Limited for RTT to import of Coded Product- BAS 1010 03 H.
	RC deliberated the agenda and approved the import of sample quantity (23 L) of coded product BAS 1010 03 H to M/s BASF Agricultural Solutions India Private Limited for RTT purpose
10.20	Considerations of applications for endorsement in toxicity triangle issued u/s 9(3)/9(4) in the certificate of registration of Insecticide Act, 1968.
	RC deliberated the agenda and approved the case as per Annexure-10.20.1 and 10.20.2
10.21	Consideration of applications for endorsement in the certificate of registration for shelf-life enhancement of application u/s 9(4).
	RC deliberated the agenda and approved the case as per Annexure-10.21.1
10.22	Applications for Import Permit of Dual Use Insecticides.
	RC deliberated the agenda and approved the cases a per Annexure-10.22.1
10.23	Follow up Agenda for consideration of application of M/s JAGGO OVERSEAS for Import of Copper Cyanide.
	RC deliberated the agenda and approved the import of 4 MT of Copper Cyanide for trading purpose from the following sources:

	Source of Import: 1. Incheon Chemical Co. Ltd., # 173-90, Gahwa-Dong, Seo – Gu, Incheon, Korea. Supplier: Beecom INC Corporation (05542) 14F, 340, Olympic-ro, Songpa-gu, Seoul, Republic of Korea 2. IL Sung Chemical Co. Ltd., Namdong Seo Ro 316 Beongil 20 Namdong-gu Incheon, Korea. Supplier Name: Beecom INC Corporation (05542) 14F, 340, Olympic-ro, Songpa-gu, Seoul, Republic of Korea. 3. C P Chem Co Ltd., 155-66, Donggok-Ro, Songsan-Myeon, Dangjin Si, Chung Cheongnam Do, South Korea.
10.24	Draft guidelines, Checklist and application proforma for issuance of Export Permit-follow up.
	RC deliberated the agenda and approved the guidelines, checklist and application proforma for grant of Export Permit for multi-use/dual-use/non-insecticidal insecticides/products as Annexure-10.24.1, after addition of the following details: IUPAC Name, CAS Number, Serial Number in the Schedule to the Insecticides Act, 1968 and Geo-tagging details of the premises where the product containing the insecticide is to be manufactured and/or stored. RC also directed Secretary, CIB&RC to direct CGG to make provisions in the online CROP portal for creating the category EXPORT PERMIT for submission of applications by the applicants for multi-use /dual-use/non-insecticidal insecticides/products.
10.25	Request for representation for approval of application of Alphacypermethrin 30 g/l + Flufenoxuron 30 g/l SC of M/s BASF u/s 9(3).
	RC deliberated the issue and decided to call applicant for presentation in the next RC meeting.
10.26	Consideration of representation received from M/s P.J. Margo Pvt. Ltd. for reconsideration/ revival of applications for extension of Shelf-life

	u/s 9(3) which were rejected/closed in 471st RC Meeting due to non-submission of deficiency reply within stipulated time.
	RC deliberated the agenda and approved the revival of applications of M/s P.J. Margo Pvt. Ltd for extension of Shelf-life u/s 9(3) and consider their representation.
10.27	Consideration of Appeal Petition filed by M/s Willowood Chemicals Limited under Section 10 of the Insecticides Act, 1968 against the decision of the 454th RC Meeting (Agenda Item No 6.49 held on 29.02.2024) regarding rejection of application for registration of Metalaxyl Technical 97.00 min under section 9(3) (TI vs TIM).
	RC deliberated the agenda and decided to call applicant for presentation before RC.
10.28	Follow up regarding duplication of Agenda item Nos 6.3 and 6.48 in 471st RC Meeting for Trichoderma harzianum 2.0 AS of M/s Netsurf Biotech Private Limited.
	RC deliberated the agenda and considered agenda Item 6.3 and 6.48 of 471 st RC meeting, as one and the same
10.29	Follow up regarding Agenda Item No 9.5 of 470th RC Meeting for correction.
	RC deliberated the agenda and approved correction in minutes of Agenda Item No 9.5 of 470 th RC Meeting with correction. The minutes may be read as: 9(4) FI in place of 9(3) FI
10.30	Confirmation of Agenda Item No 9.49 of 471st RC Meeting with correction.
	RC deliberated the agenda and approved correction in minutes of Agenda Item No 9.49 of 471 st RC Meeting with correction. The minutes may be read as: RC deliberated the agenda and approved for grant of label claim expansion in respect of the herbicide Fomesafen 16.8% W/W + Propaquizafop 5.2% W/W ME for control of weeds <i>Euphorbia hirta</i> , <i>Commelina benghalensis</i> , <i>Echinochloa colona</i> , <i>Alternanthera sessilis</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Digera arvensis</i> , <i>Cyperus difformis</i> in Soyabean crop subject to MRL fixation of Fomesafen on soyabean crop.

10.31	Follow up Agenda Item No 10.8 of 471st RC Meeting “Clarification of agenda item of 9(4) endorsement, deferred in 470th RC meeting.
	RC deliberated the agenda and approved the proposal of applications approval as per Annexure-10.8.1 of 471 RC meeting,’ instead of ‘RC deliberated the agenda and approved the closure of applications as per Annexure-10.8.1
10.32	Follow up action/clarification required for the MOM of 470th RC Meeting vide agenda item no 9.15 regarding consideration of application of M /s Indogulf Cropsciences Ltd.
	RC deliberated the agenda and decided to follow the existing guidelines and accordingly may inform to the committee for compilation of guidelines under the chairmanship of Dr Poonam Jasrotia ADG (PP) ICAR.
10.33	Consideration of application received for Free Sale Certificate Category for Ex-Post facto Approval.
	RC deliberated and approved as per Annexure 10.33.1
10.34	Request submitted by M/s. Syngenta India Ltd. for the consideration of application for the registration of Thiamethoxam 12.6 % + Lambda cyhalothrin 9.5 % ZC for the control of House insect pests under label expansion category of the Insecticides Act, 1968
	RC deliberated the agenda in detail on the justification proffered by the applicant. The RC observed that the proposed product has already been registered for the control of insect pests in various agricultural crops and not for the control of House Hold (HH) insect pests. This issue was also discussed in the last RC meeting too for the requirement of data on Health Monitoring studies, which is not a requirement under agriculture usage. The above study is a mandatory requirement for grant of registration under HH category. This requirement is also applicable to the label expansion cases for HH category pesticides. The submission of the applicant that the proposed product was already approved for use in various crops like cotton, maize, groundnut, soybean, chilli, tea, tomato etc. is not tenable as the purpose and usage of the proposed formulation is not for use in agriculture and consequentially the purpose has been changed and therefore the said data is inherently required to ensure the safety of human beings. The RC further noted that the Protocol of conducting the Health Monitoring Studies has been proposed by the Sectt. of CIB&RC in the present RC meeting itemised at agenda 10.51 and the same has been approved specifying the parameters for its applicability on house hold

	(HH) products. The requirement of seeking approval of protocol on each occasion of HH has been dispensed with immediate effect. Therefore, the applicant may be communicated that the data on Health Monitoring Studies to be generated as per prevailing guidelines and submit the same alongwith their application in appropriate category. In the present matter RC observes that as the application has been submitted with incomplete data, thus the RC decided to close the application and suggest the applicant to apply afresh with all requisite data of HH category. The scrutiny comments of the concerned expert shall be considered during processing of the fresh application and only new study shall be scrutinized as and when submitted again.
10.35	Correction in the agenda item no. 10.45 of 470th RC meeting held on 23.03.2026.
	RC deliberated the agenda and approved the correction of the agenda item no.10.45 of 470th RC meeting as "RC deliberated the agenda in detail and noted the reply submitted by the applicant on trial protocol to evaluate the bio-efficacy of the yellow phosphorous 0.25% gel bait against common house mouse. Further, RC directed the Secretariat of CIB&RC to forward the reply to the Network Coordinator, All India Network Project on Vertebrate Pest Management and seek the comments and suggestions for further necessary action"
10.36	Permission for liquidation of stock-in-hand of HILNET (LLIN).
	RC perused the agenda wherein the representation dated 27.04.2026 addressed to the Secretary CIB&RC was submitted by the applicant M/s. HIL India Ltd., <i>inter alia</i> requesting to grant the permission for the liquidation of their already manufactured and existing stock of HILNET (LLIN) which was manufactured during the subsistence of their provisional registration. Besides above, the applicant has also submitted a representation dated 10.04.2026 requesting the RC to grant extension of their provisional registration certificate. RC observes that DA&FW vide letter dated 15.09.2025 had already directed that no extension beyond the period of two years shall be granted by the RC as the same is not permitted under the provision of the section 9(3b) of the Insecticide Act, 1968. RC also observes that these aspects are already dealt by the RC in its previous meetings. On the aspect of the grant of permission for liquidation of the existing stocks of LLIN as asserted by the applicant, the RC deliberated the issue in

	detail and is of the considered view that the veracity of the assertion / claim made by the applicant is necessarily required to be verified by the state licensing authority such as date of manufacturing, B. No. and quality testing report as on date of inspection so as to enable the RC to take an appropriate view in the matter with documentary evidence. RC accordingly decided that the applicant may be asked to get his factual claims verified by the concerned state department as stated above and place an appropriate verification report in the upcoming RC meeting. RC also request the applicant to make a detailed presentation on the issues involved in the forthcoming RC meeting, if the above instructions complied. Secretariat of CIB&RC is directed to communicate this decision to the applicant for taking appropriate steps in this regard.
10.37	Follow up agenda item no. 10.2, and 10.13 of the 469 and 470th RC meeting pertaining to the Compliance of order dated 06.02.2026 passed by the Appellate Authority in revision petition no. 03 Of 2025 M/s. Shobikaa v/s CIB&RC in FIM vs FI, Deltamethrin LLIN matter.
	RC deliberated the agenda in detail and observed that the meeting was organized by the Secretary CIB&RC with Dr. Lokesh Keri, Scientist-D, Indian Council of Medical Research (ICMR) and Dr. Himmat Singh, Scientist E, National Institute of Malaria Research (NIMR) to discuss the issues so as to comply the order passed by the Hon'ble Appellate Authority and in terms of the decision taken by the RC in its 470th meeting. In this regard, RC also noted that the matter requires discussion at the ICMR-Evaluation of Vector Control Products (EVCP) meeting for further submission of its comments and suggestions, as indicated by the above-mentioned scientists during the discussions held at Secretariat of CIB&RC. RC also observes that the directions of the Hon'ble Appellate Authority are to be complied in a time bound manner strictly in terms of the contentions made and the observations as mentioned in the order dated 06.02.2026. Thus, the RC directs the Secretary CIB&RC to expeditiously seek the comments and suggestions from the ICMR – EVCP and place the same in the upcoming RC meeting for taking an appropriate decision in the matter in terms of the observations of the Hon'ble Appellate authority made in its order dated 06.02.2026.
10.38	Request for permanent permission/ extension for use of synthetic pyrethroid insecticide against sand flies(vector) for IRS in Kala-azar.
	RC deliberated the agenda in detail and considered the interim approval for one more year period. Further RC directed the Secretary, CIB&RC to call

	the Joint Director, National Centre for Vector Borne Disease Control (NCVBDC) for presentation in the upcoming RC meeting to discuss about the use of synthetic pyrethroid against sand flies (vector) for IRS in Kala azar.
10.39	Comments on the recommendations of the scientific Panel on Pesticide Residue (SPPR) on the Crop Grouping document.
	RC deliberated the agenda in detail and noted the comments given by the pesticide associations viz., Crop Life India (CLI) and Pesticide Manufacturers and Formulators Associations of India (PMFAI) on recommendations of the Scientific Panel on Pesticide Residue (SPPR) on the Crop Grouping document. Further RC directed the Secretary CIB&RC to seek the comments and suggestions from SPPR for further necessary action.
10.40	Request for extension of ad-hoc approval for using dimethoate 30 % EC on tea crop.
	RC deliberated the agenda in detail and observed that the applicant M/s. Rallis India Pvt Ltd., has applied for the registration of Dimethoate for the registration against tea mosquito bug on tea crop recently and the application is under scrutiny. Thus, the RC deliberated upon the request submitted by the M/s. Kannan Devan Tea Associations and decided to grant ad-hoc approval for the period of one year or till the final decision on the application of M/s Rallis India Pvt Ltd, which one is earlier, for dimethoate use on tea crop to mitigate the tea mosquito bug problem.
10.41	Follow up action on Agenda Item No. 10.16 of 470th RC Meeting decision w.r.t Representation by PMFAI with a request for clarification regarding selling of Technical Grade pesticides and requirement of license to sell technical in states other than the state where the manufacturing plant located.
	RC perused the agenda and taking into the account the provisions of the Insecticides Act, 1968 and Rules, 1971, it becomes apparent that the Insecticides Act, 1968 was enacted to regulate import, manufacture, sale, transport, distribution, and use of insecticides with a view to preventing risk to human beings, animals and the environment <i>per se</i> . RC also observes that the said legislation creates a centralized registration mechanism for insecticides; and decentralized licensing and concurrent enforcement of quality control mechanisms through Central and State authorities. RC also observes that registration granted under the Act is Pan-India in character. Section 9 of the Act provides for registration of

	insecticides by the Registration Committee constituted under the Act. Once an insecticide is registered under Section 9, such registration is not confined to any particular State. The registration so granted, permits manufacture and sale of the product throughout India subject to compliance with the Act and Rules. Accordingly, RC notes that the statutory focus is upon the registration of the product by the RC and licensing of the manufacturing premises/activity by the respective State Governments. A manufacturing license authorizes production from the licensed premises. Separate sale licenses may be required for dealers, retailers, distributors, or Stockists etc. operating from commercial premises in any State. However, such sale licensing requirements applicable to dealers or distributors etc. cannot be conflated with the manufacturer's license. RC is of the view that if the manufacturer appoints distributors or depots in another State, the relevant entity handling sale/storage operations may require the appropriate sale license under the applicable regulatory framework. Nevertheless, the manufacturer himself is not required to obtain a fresh/separate manufacturing license /permission merely because the goods move inter-State. and therefore, a manufacturer holding a valid manufacturing license for its insecticide manufacturing unit in any one State is not required to obtain another manufacturing license/permission separately, merely for supplying or distributing its products in any other State. Accordingly, RC is of the considered view that a duly licensed manufacturer may lawfully supply its insecticide products across India, subject to compliance with applicable sale/distribution licensing requirements for downstream channels. RC observed that being a policy matter the concurrence of DA&FW is required and therefore the RC directs the Secretariate of CIB&RC to communicate this decision to DA&FW for consideration and concurrence before its implementation and issue of public notice to this effect.
10.42	Follow up action on the 470th RC decision at Agenda Item No. 10.15 w.r.t representation by Agrochemical Manufacturers Association of India, Gujarat on the issue of “marketed by” arrangements.

RC perused the agenda and observe that although the RC had dealt similar issues in its 461st Meeting at Agenda Item No. 10.5 which reads as under:

“Clarification on inclusion of marketing agency in manufacturing license and issuing NOC for additional factory address RC perused the communication received from the state department of Karnataka inter-alia asking for a clarification regarding the endorsement of marketing agencies. The state government has quoted rule 20 of the Insecticides Rule which they have submitted that any alteration in the label and leaflets requires permission from the Registration Committee. RC deliberated the agenda in light of the provisions of the Insecticides Act, 1968 and Rules, 1971 and observed that the grant of licenses for manufacture, sale, transport, distribution etc. lies in the domain of the respective State Governments and RC also observed that any consequential changes w.r.t. the change in the marketing agencies may be made by the state government after due satisfaction to them. Further, any provision of the Act does not preclude the State authorities to carry out such amendments which does not substantially impact the conditions of the CR. Furthermore, the Rule 20 provides that any alteration of any inscription or mark, made on the container, label or wrapper of any insecticide may be made at the instance, direction or permission of the Registration Committee. In view of this Registration Committee hence permits the endorsement of the marketing agencies by the state government under the title “Marketed by” of the label as prescribed under the Insecticides Rules after due satisfaction to them following the prescribed procedure and abiding to rest of the conditions approved by the RC for a pesticide. RC directed Secretariat of CIB&RC to communicate the same to concerned pesticides Associations.”

RC notes that a communication had been received from DA&FW vide email communication dated 12.03.2026 forwarding a letter/representation dated 06.03.2026 from Bhartiya Kisan Union requesting the complete abolition of Marketed by system by Pesticides companies and providing quality pesticides to farmers.

RC observes that a communication was sent by the Secretary, CIB&RC on 15.05.2026 to DA&FW apprising the 461st RC decision (Agenda 10.5) along with the fact that the issues are under examination in terms of 470th RC

	decision (Agenda 10.15) and the RC shall take a final appropriate view in the matter. Now therefore, RC proceeds to examine the permissibility of a Separate Marketing agency/company for Insecticides. It is gathered that as per common practice in India, one manufacturer may be manufacturing a particular product for several other companies under their respective brand names for marketing purposes. RC looked into the Statutory Framework under the Insecticides Act, 1968 and the Insecticides Rules, 1971, which expressly contemplate a distinction between the manufacturer and the marketer/vendor of insecticide products. RC perused Rule 19 of the Insecticides Rules, 1971 (dealing with labelling requirements) which mandates that the label of every insecticide package must contain, among other particulars the name and address of the manufacturer; and the name of the marketer. RC observes that this dual-declaration requirement demonstrates that the regulatory scheme anticipates and permits marketing arrangements. Since the domain of licensing lies with the State Governments and therefore the focal point of satisfaction lies with the State w.r.t. the issues pertaining to marketing agencies. RC is of the view that the States should also ensure that the manufacturers and /or marketers should not escape from legal consequences in case of any violations committed under the provisions of the Insecticides Act, 1968 and Rules 1971. RC, thus, recognizes that concept of marketing agencies is legal and permissible under the applicable statutory framework, provided all registration and licensing requirements under the Statute are duly complied with. RC is of the view that being a policy matter the guidance and concurrence of DA&FW is also required and therefore the RC directs the Secretariate of CIB&RC to communicate this decision to DA&FW for consideration and concurrence before its implementation.
10.43	Clarification required for the application submitted by M/s UPL for the registration of S-Metolachlor Technical u/s 9(3) TIM.
	The RC deliberated the agenda in detail and noted the submissions made by the applicant in support of the application. After detailed deliberations, the RC observed that certain aspects of the case require further

	clarification and examination before a decision can be taken. Accordingly, the RC decided that the applicant may be invited to make a detailed presentation before the Committee in its next meeting for further consideration of the matter.
	Closure/Rejection
10.44	Request for closure of files from Bio-efficacy (Plant Pathology Unit)
	RC approved the closure of applications (EN-55273, EN-54308, EN-55299, EN-51597, 373864-B/F/9(3)2022 and 373867-B/F/9(3)2022).
10.45	List of applications/endorsement for closure/rejection from Packaging Division.
	RC approved the closure of applications (EN-52224 and EN-53552).
10.46	Consideration of closure of endorsement applications u/s 9(3b)/9(3)/9(4).
	RC deliberated the agenda and approved the closure of applications, as per the Annexure- 10.46.1
10.47	Closure of application of 1-MCP 0.18 Tablet of M/s Agro Life Science Corporation from Toxicology Division.
	RC deliberated the agenda and decided to close the application.
10.48	Consideration of applications of Bio-Pesticides u/s 9(3)/9(3b) for rejection.
	RC deliberated the agenda and rejected the cases listed in the Annexure -10.48.1 as ATR received from CIL was not-satisfactory.
	<u>Miscellaneous</u>
10.49	Review of paraquat dichloride due to serious health and environmental risks.
	RC Noted the progress of the Committee and called for immediate submission of the Final Report.
10.50	Consideration of Request for Technical Presentation by M/s ECOPLANTS Co., Ltd. Regarding 1- Methylcyclopropene (1-MCP) 12 % Gas Generating (GE)
	The RC deliberated the agenda and considered the request for presentation before the Committee in its next meeting

10.51	Consideration of Health Monitoring Study Protocol for Toxicological Scrutiny of Applications under Household Category under the Insecticides Act, 1968, for Streamlining and Expediting the Scrutiny Process.
	The RC deliberated the agenda and considered the proposed Health Monitoring Study Protocol as placed at Annexure-10.51.1, for adoption and implementation by the Sectt. of CIB&RC for streamlining and expediting the scrutiny process, henceforth these protocol may be used for simultaneous study initiation, hence reduce the total study generation tenure. A public notice shall be issued with these protocols for vide use.
10.52	Follow up action on decision taken 470th RC vide agenda item no 10.52 with regards to submission of Mutagenicity (AMES) Test (Application Number: 460101 M/s Asecnt Copper)
	RC deliberated the agenda and approved.
10.53	Consideration of a request of Draslovka Services India Private Limited for re-export of imported and date expired/ unused products imported vide RTT permits issued form this office for safe disposal.
	RC deliberated the agenda and approved the re-export of date-expired and unutilized/unused Hydrogen Cyanide (HCN), Formonitrile, Prussic acid, Uragan D2 [74-90-8] and Ethanedintrile [460-19-5] to the original manufacturer LUCEBNÍ ZÁVODY DRASLOVKA A.S. KOLÍN, Havlickova 605, 28002 Kolin I V., Czech Republic for their safe disposal which was imported vide RTTs issued from this office. RC also directs the applicant to submit proofs of export of these items to the original manufacturer to this office after the export is shipped.
11.0	Any Other item
11.1	Presentation by M/s Nasham Crop Care LLP.
	With reference to agenda item no. 10.1 deliberated in 469th RC meeting, relating to representation of Objection to post approval imposition of non-notified conditions in endorsement approval. RC decided to invite the applicant for presentation before RC in its next meeting. In terms of the above decision the applicant was called for a presentation in today's RC Meeting. RC observed that the applicant M/s Nasham Crop Care LLP didn't

	appear before RC, nor any request for adjournment of the matter has been sought by M/s Nasham Crop Care LLP. RC is of the view that since it has to take a final decision in the matter and therefore it is expedient that a final opportunity may be granted to M/s Nasham Crop Care LLP to present its point of view in the next RC meeting to meet the ends of Justice, failing which the RC shall decide the matter on its individual merits. Secretariat of CIB&RC is directed to invite M/s Nasham Crop Care LLP for making a presentation in the next RC meeting.

Meeting ended with a vote of thanks to the chair.

Annexure 4.1.1

List of Applications u/s 9(3) Export in General category

S.No	Application No.	Applicant Name	Product Name	Chemexcil Validity
1	466843-Export/9(3)2025	Unikil Pesticides(P)Ltd	Imidacloprid 25 % + Lambda cyhalothrin 10 % SC	31-03-2027
2	466765-Export/9(3)2025	Unikil Pesticides(P)Ltd	Chlorfenapyr 10 % + Diafenthiuron 25 % SC	31-03-2027
3	466760-Export/9(3)2025	Unikil Pesticides(P)Ltd	Bifenazate 43% + Abamectin 3.2% SC	31-03-2027
4	466757-Export/9(3)2025	Unikil Pesticides(P)Ltd	Bifenazate 30% + Etoxazole 20% SC	31-03-2027
5	466800-Export/9(3)2025	Unikil Pesticides(P)Ltd	Fludioxnil 6% + Boscalid 24 % SC	31-03-2027
6	466795-Export/9(3)2025	Unikil Pesticides(P)Ltd	Cymoxanil 10% WP + Copper Oxychloride 30% WP	31-03-2027
7	466789-Export/9(3)2025	Unikil Pesticides(P)Ltd	Chlorfenapyr 15% + Abamectin 5% EC	31-03-2027
8	481176-Export/9(3)2026	Bheema Fine Chemicals Pvt Limited	Imidacloprid Technical 94% w/w Min.	31-03-2027
9	481177-Export/9(3)2026	Bheema Fine Chemicals Pvt Limited	Acetamiprid Technical 99% min for	31-03-2027
10	481179-Export/9(3)2026	Bheema Fine Chemicals Pvt Limited	Cartap Hydrochloride Technical 98.00% w/w Min.	31-03-2027
11	480802-Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Chlorpyrifos 50% + Lambda Cyhalothrin 5% + Imidacloprid 5% EC	31-03-2027
12	480801-Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Difenoconazole 25% EC w/v	31-03-2027
13	480800-Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Alphacypermethrin 10% EC w/v	31-03-2027
14	480799-Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Oxyfluorfen 24% EC	31-03-2027
15	480798-Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Fluazifop-p-butyl 15% WP	31-03-2027
16	480331-Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Lambdacyhalothrin 5% EC	31-03-2027

17	481604- Export/9(3)2026	Superform Chemistries Limited	Fluopyram Technical (97.50% w/w Min.)	31-03-2027
18	480241- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Emamectin benzoate 5% + lufenuron 40% WG	31-03-2027
19	480609- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Glufosinate Ammonium 50% WG	31-03-2027
20	466799- Export/9(3)2025	Unikil Pesticides(P)Ltd	Fenpropathrin 5% + Hexythiazox 5 % EC	31-03-2027
21	466791- Export/9(3)2025	Unikil Pesticides(P)Ltd	Cyazofamid 8% + Cymoxanil 16% SC	31-03-2027
22	478060- Export/9(3)2025	PERFECT SOLUTIONS	Spinetoram 120 g/kg + Triflumezopyrim 100 g/kg WG	31-03-2029
23	478059- Export/9(3)2025	PERFECT SOLUTIONS	Spinetoram 60 g/l SC	31-03-2029
24	481104- Export/9(3)2026	Meenakshi Agro Chemicals	Deltamethrin 11% EC	31-03-2027
25	478010- Export/9(3)2025	PERFECT SOLUTIONS	Cyclobutrifluram 450g/l SC	31-03-2029
26	478016- Export/9(3)2025	PERFECT SOLUTIONS	Flometoquin 10% SC	31-03-2029
27	478030- Export/9(3)2025	PERFECT SOLUTIONS	Fluopicolide 44.4 g/kg + Fosetyl aluminum 666.7 g/kg WG	31-03-2029
28	481236- Export/9(3)2026	Superform Chemistries Limited	Fluopicolide Technical (98.00% w/w Min.)	31-03-2027
29	481474- Export/9(3)2026	MAHAMAYA LIFESCIENCES LTD.	Deltamethrin 5% EC	31-03-2027
30	478044- Export/9(3)2025	PERFECT SOLUTIONS	Methoxyfenozide 300g/l + Spinetoram 60g/l SC	31-03-2029
31	481908- Export/9(3)2026	Sujag Fine Chemicals Pvt. Ltd.	Halauixifen-Methyl Technical 95.00% w/w Min.	31-03-2027
32	478026- Export/9(3)2025	PERFECT SOLUTIONS	Florpyrauxifen-benzyl 12.5g/l + Penoxsulam 20g/l OD	31-03-2029
33	478057- Export/9(3)2025	PERFECT SOLUTIONS	Pydiflumetofen 200g/l SC	31-03-2029
34	478027- Export/9(3)2025	PERFECT SOLUTIONS	Flubendiamide 100g/l + Metaflumizone 150g/l SC	31-03-2029
35	478050- Export/9(3)2025	PERFECT SOLUTIONS	Propamocarb hydrochloride 530 g/l + Fosetyl-aluminum 310g/l SL	31-03-2029
36	478040- Export/9(3)2025	PERFECT SOLUTIONS	Kresoxim-methyl 20% + Triflumizole 15% SC	31-03-2029

37	470872- Export/9(3)2025	TEXIZA LABORATORIES LIMITED	BRONOPOL TECHNICAL 99% w/w Min	31-03-2027
38	481926- Export/9(3)2026	KRISHI RASAYAN EXPORTS PVT. LTD.	Metalaxyl –M 35%WP	31-03-2027
39	478046- Export/9(3)2025	PERFECT SOLUTIONS	Metominostrobin 200g/l SC	31-03-2029
40	478049- Export/9(3)2025	PERFECT SOLUTIONS	Picarbutrazox 100g/l SC	31-03-2029
41	478055- Export/9(3)2025	PERFECT SOLUTIONS	Prothiofos 50% EW	31-03-2029
42	481225- Export/9(3)2026	Superform Chemistries Limited	Diuron Technical (98.00% w/w Min.)	31-03-2027
43	481637- Export/9(3)2026	Kundan Pestichem Pvt.Ltd.	Copper Hydroxide 690g /kg + Cymoxanil 80g / kg WP	31-03-2027
44	482510- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Bentazone 44.1% w/w SL	31-03-2028
45	482516- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Tebuconazole 250 G/L EW	31-03-2028
46	482518- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Pyriproxyfen 11% w/w EC	31-03-2028
47	482107- Export/9(3)2026	Ganesh Agri Care	Acequinocyl 20% + Etoxazole 10% SC w/v	31-03-2027
48	482826- Export/9(3)2026	GLOBE AGRITECH PRIVATE LIMITED	Indoxacarb technical 67% w/w min.	31-03-2027
49	480850- Export/9(3)2026	TEXIZA LABORATORIES LIMITED	BRONOPOL 30.00 % w/w SC	31-03-2027
50	481646- Export/9(3)2026	MG ORGANICS PRIVATE LIMITED	Mesotrione Technical 98.00% w/w min.	31-03-2027
51	481647- Export/9(3)2026	MG ORGANICS PRIVATE LIMITED	Metamifop Technical 96.00% w/w min.	31-03-2027
52	481648- Export/9(3)2026	MG ORGANICS PRIVATE LIMITED	PENOXULAM TECHNICAL 98.00% MIN FOR INGENOUS MANUFACTURE	31-03-2027
53	481649- Export/9(3)2026	MG ORGANICS PRIVATE LIMITED	PYRIPROXYFEN TECHNICAL 98.00% W/W MIN.	31-03-2027
54	481663- Export/9(3)2026	MG ORGANICS PRIVATE LIMITED	Pyriproxyfen Sodium Technical 90% w/w min.	31-03-2027
55	481644- Export/9(3)2026	Kundan Pestichem Pvt.Ltd.	Copper Oxychloride 30% SC	31-03-2027
56	480455- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Pretilachlor 27.4% w/w + Florpyrauxifen-benzyl 0.91% w/w EC	31-03-2027

57	480460- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Profenofos 50% + Fenpropathrin 5% EC	31-03-2027
58	480486- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Profenofos 500 g/L EC	31-03-2027
59	480490- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Propineb 70.0% + Cymoxanil 6.0% WP	31-03-2027
60	481979- Export/9(3)2026	PEPTECH BIOSCIENCES LIMITED	6-BENZYLAMINOPURINE 99% W/W Min.	31-03-2027
61	481640- Export/9(3)2026	Kundan Pestichem Pvt.Ltd.	Copper Oxychloride 23.93% w/v + Copper Hydroxide 22.30% w/v SC	31-03-2027
62	482099- Export/9(3)2026	Agro Life Science Corporation	Metalaxyl –M 35%WP	31-03-2027
63	481635- Export/9(3)2026	Kundan Pestichem Pvt.Ltd.	Copper Hydroxide 125 g/L EC	31-03-2027
64	480997- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Azoxystrobin Technical 97.00% w/w min.	31-03-2027
65	481004- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Imidacloprid Technical 98.00% w/w min.	31-03-2027
66	482311- Export/9(3)2026	GLOBE AGRITECH PRIVATE LIMITED	Thiophanate Methyl technical 94 % w/w Min	31-03-2027
67	482697- Export/9(3)2026	2022 ES Discovery India Private Limited	Deltamethrin 50 + Piperonyl butoxide 400 g/l EC	31-03-2027
68	481352- Export/9(3)2026	Khodiyar Life Science	Imidacloprid 35% SC	31-03-2027
69	483047- Export/9(3)2026	Ichiban Crop Science Limited	s- metolachlor technical 97% min.	31-03-2027
70	484587- Export/9(3)2026	2022 ES Discovery India Private Limited	Deltamethrin 2% w/w EW	31-03-2027
71	483126- Export/9(3)2026	Ichiban Crop Science Limited	Florasulam technical 96.2% min.	31-03-2027
72	483243- Export/9(3)2026	Ichiban Crop Science Limited	Spiropidion Technical 96% min.	31-03-2027
73	465478- Export/9(3)2025	MAHAMAYA LIFESCIENCES LTD.	Folpet 80% WG	31-03-2027
74	484560- Export/9(3)2026	2022 ES Discovery India Private Limited	Imidacloprid 10.50 % w/w + Beta cyfluthrin 21.00 % w/w SC	31-03-2027
75	483061- Export/9(3)2026	Ichiban Crop Science Limited	Flazasulfuron technical 94% min.	31-03-2027

76	483071- Export/9(3)2026	Ichiban Crop Science Limited	Chlorfluazuron technical 95% min.	31-03-2027
77	482095- Export/9(3)2026	Ganesh Agri Care	Acequinocyl Technical 97% w/w min.	31-03-2027
78	480814- Export/9(3)2026	ANGLO GULF LLP	Diflubenzuron 480 g/L SC	31-03-2027
79	480728- Export/9(3)2026	ANGLO GULF LLP	Bifenazate 240 g/l SC	31-03-2027
80	480468- Export/9(3)2026	ANGLO GULF LLP	AZOXYSTROBIN 200 + DIFENCONAZOLE 125 G/L SC	31-03-2027
81	481430- Export/9(3)2026	Cocreate Global technologies private limited	Tebuconazole 250 g/L EW	31-03-2029
82	481458- Export/9(3)2026	Cocreate Global technologies private limited	Deltamethrin 25 g/L EC	31-03-2029
83	480815- Export/9(3)2026	ANGLO GULF LLP	Dimethomorph 500 g/L SC	31-03-2027
84	480819- Export/9(3)2026	ANGLO GULF LLP	Etiozazole 110 g/L SC	31-03-2027
85	480825- Export/9(3)2026	ANGLO GULF LLP	Pendimethalin 330 g/L EC	31-03-2027
86	480821- Export/9(3)2026	ANGLO GULF LLP	Metribuzin 75% WP	31-03-2027
87	480826- Export/9(3)2026	ANGLO GULF LLP	Spinosad 480 g/L SC	31-03-2027
88	480828- Export/9(3)2026	ANGLO GULF LLP	Tebufenpyrad 200 g/L EC	31-03-2027
89	483076- Export/9(3)2026	Ichiban Crop Science Limited	Fluroxypyr-meptyl 95% min.	31-03-2027
90	482302- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Azoxystrobin 12% + Fenpyroximate 2.5% + Emamectin benzoate 1% WG	31-03-2027
91	482301- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Azoxystrobin 1.5% + Carbendazim 8.0% + Thiamethoxam 30% FS	31-03-2027
92	482208- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Flonicamid 15% + Pyriproxyfen 12% + Acetamiprid 2% ME	31-03-2027
93	482207- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Bispyribac sodium 25% + MEtsulfuron methyl 4% + Pyrazosulfuron ethyl 20% WP	31-03-2027
94	482190- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Isoprothiolane 15% + Trifloxystrobin 2.5% + Pymetrozine 7.5% SE	31-03-2027

95	482187- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Chlorantraniliprole 0.4% + Fipronil 0.6% + Clothianidin 1.0% GR	31-03-2027
96	482184- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Picoxystrobin 2.5% + Dimethomorph 16.5% + Mancozeb 50% WP	31-03-2027
97	482178- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Quizalofop ethyl 3.6% + Fomesafen 12% + Imazethapyr 7% SC	31-03-2027
98	482169- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Kasugamycin 1% + Tebuconazole 14% + Kresoxim methyl 20% SC	31-03-2027
99	482070- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	pyridalyl 7% + Enamectin Benzoate 1% EC	31-03-2027
100	483246- Export/9(3)2026	Ichiban Crop Science Limited	Copper Hydroxide Technical 87.6% min.	31-03-2027
101	483477- Export/9(3)2026	Willowood Chemicals Ltd.	Sulfentrazone 480 g/l SC	31-03-2027
102	483803- Export/9(3)2026	Willowood Industries Pvt. Ltd.	Sulfentrazone Technical 98% w/w Min.	31-03-2027
103	483891- Export/9(3)2026	Sharda Cropchem Ltd.	Propanil 35% + Thiobencarb 31% EC	31-03-2027
104	483898- Export/9(3)2026	Sharda Cropchem Ltd.	Imazethapyr 1.8% + Glyphosate 22% SL	31-03-2027
105	483848- Export/9(3)2026	Cocreate Global technologies private limited	Metribuzin 480 g/L SC	31-03-2029
106	481140- Export/9(3)2026	Cocreate Global technologies private limited	Fluxametamide Technical 93.5% w/w Min.	31-03-2029
107	476101- Export/9(3)2025	PERFECT SOLUTIONS	Metalaxyl 15% + Copper Oxychloride 35% WP	31-03-2029
108	484609- Export/9(3)2026	Crystal Crop Protection Ltd	Flonicamid 20% + Thiamethoxam 40% SC	31-03-2027
109	484606- Export/9(3)2026	Crystal Crop Protection Ltd	Copper Oxychloride 50% + Metalaxyl 8% WG	31-03-2027
110	484589- Export/9(3)2026	Crystal Crop Protection Ltd	Clothianidin 15% + Pymetrozine 15% SC	31-03-2027
111	482089- Export/9(3)2026	Ganesh Agri Care	Spirodiclofen Technical 98% w/w min.	31-03-2027
112	482744- Export/9(3)2026	Sharda Cropchem Ltd.	2,4 - D 44.7% + Picloram 11.4% SL w/v	31-03-2027

113	482071- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Propanil 35.1% + Penoxsulam 0.9% SC	31-03-2027
114	481784- Export/9(3)2026	United Pesticides Laboratory	Diuron 80% WDG	31-03-2027
115	482133- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Ametoctradin 25% + Metalaxyl 20% WDG	31-03-2027
116	482156- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Chlorothalonil 35% + Cymoxanil 15% + Metalaxyl 2% SC	31-03-2027
117	482153- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Azoxystrobin 4% + Isoprothiolane 12% + Mancozeb 30% WP	31-03-2027
118	482154- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Chlorantraniliprole 6% + Indoxacarb 7.25 + Emeamectin benzoate 2.5% SC	31-03-2027
119	482110- Export/9(3)2026	Ganesh Agri Care	Acequinocyl 10% + Spirodiclofen 10% EW w/v	31-03-2027
120	482096- Export/9(3)2026	Hemani Crop Care Private Limited	2, 4-D Sodium Salt Technical 94.50% w/w Min.	31-03-2027
121	482090- Export/9(3)2026	Hemani Crop Care Private Limited	Metribuzin Technical 95.00% w/w Min.	31-03-2027
122	480295- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Benzovindiflupyr 15% + Azoxystrobin 30% w/w WG	31-03-2027
123	482162- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Emamectin benzoate 1% + Methoxyfenozide 21% + Tebuconazole 18.75% SC	31-03-2027
124	482322- Export/9(3)2026	Hemani Crop Care Private Limited	2,4-D Ethyl Ester Technical 97.00% w/w Min.	31-03-2027
125	482147- Export/9(3)2026	Sharda Cropchem Ltd.	MSMA 72% SL w/v (Monosodium Methanearsonate)	31-03-2027
127	484227- Export/9(3)2026	Agro Life Science Corporation	Chlorantraniliprole 100 g/l +Lambdacyhalothrin 50 g/l ZC	31-03-2027
128	484028- Export/9(3)2026	Tagros Chemicals India Private Limited	Isofetamid Technical	31-03-2027
129	482080- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Beflubutamid 166 g/l + Pretilachlor 417 g/l SE	31-03-2027
130	482218- Export/9(3)2026	Hemani Crop Care Private Limited	2,4-D Dimethylamine Salt 625 g/L SL	31-03-2027
136	482134- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Indaziflam 45.45% SC	31-03-2027

137	484668- Export/9(3)2026	Ichiban Crop Science Limited	Fenpropathrin Technical 90% min.	31-03-2027
138	484620- Export/9(3)2026	Ichiban Crop Science Limited	Flufenacet Technical 97.00% min.	31-03-2027
139	484584- Export/9(3)2026	Superform Chemistries Limited	Carbendazim Technical (98.00% w/w Min.)	31-03-2027
140	484665- Export/9(3)2026	Ichiban Crop Science Limited	Methoxyfenozide technical 97% min.	31-03-2027
141	483776- Export/9(3)2026	Agrich Crop Science Pvt Ltd	Chlorpyrifos 48% w/v EC	31-03-2027
142	484638- Export/9(3)2026	Ichiban Crop Science Limited	Fenoxanil technical 95% min.	31-03-2027
143	483774- Export/9(3)2026	Agrich Crop Science Pvt Ltd	Glyphosate 48% SL	31-03-2027
144	483689- Export/9(3)2026	Agrich Crop Science Pvt Ltd	Tebuconazole 250 g/l EW	31-03-2027
145	483249- Export/9(3)2026	Ichiban Crop Science Limited	Fluazinam Technical 96% min.	31-03-2027
152	473796- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	QUIZALOFOP-P-ETHYL 15% EC	31-03-2027
154	482131- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Mefentrifluconazole 12% + Thifluzamide 18% SC	31-03-2027
156	473798- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Paraquat Dichloride 20.0% SL	31-03-2027
157	473799- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Acetamiprid 0.5% GR	31-03-2027
158	480249- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Propamocarb hydrochloride 722 g/l SL	31-03-2027
159	482937- Export/9(3)2026	Maxxgro Agrology Limited	Profenofos Technical 89% min for indigenous manufacture	31-03-2027
160	484661- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Sulfoxaflor 50% WG	31-03-2028
161	484465- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Brodifacoum 0.005% w/w BB	31-03-2027
162	484482- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Copper Oxychloride 47% + Metalaxyl 8% WP	31-03-2027

163	484484- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Cyclaniliprole 100 g/l DC	31-03-2027
164	484563- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Diafenthiuron 40% + Spinetoram 5% SC	31-03-2027
165	484570- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Propiconazole Technical 95% w/w min.	31-03-2027
166	484632- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Afidopyropen 50 g/l DC	31-03-2027
167	484634- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Bentazone 480 g/l SL	31-03-2027
168	484635- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Fluazinam 400g/L + Metalaxyl-M 80g/L SC	31-03-2027
169	484639- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Fluxametamide 10% EC	31-03-2027
170	484608- Export/9(3)2026	SPECIALITY ORGANICS PVT LTD	Zinc Pyrithione 40% SC (Alcance ZPT 400 W)	31-03-2027
171	484925- Export/9(3)2026	Hemani Crop Care Private Limited	Mancozeb Technical 85.00% Min.	31-03-2027
172	484965- Export/9(3)2026	Sharda Cropchem Ltd.	Thiodicarb 37.5% SC w/v	31-03-2027
173	485061- Export/9(3)2026	Sharda Cropchem Ltd.	Kresoxim- Methyl 15% + Tebuconazole 15% SC w/v	31-03-2027
174	484422- Export/9(3)2026	Agro Life Science Corporation	Chlorantraniliprole 200 g/l+Thiamethoxam 100 g/l SC	31-03-2027
175	482547- Export/9(3)2026	Cocreate Global technologies private limited	Prochloraz 45% EW	31-03-2029
177	485361- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Chlorantraniliprole 10% + Clothianidin 30% SC	31-03-2027
178	485359- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Bifenazate 30% + Abamectin 2% SC	31-03-2027
179	484464- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	GLUFOSINATE AMMONIUM 18.02% SL	31-03-2027

180	483708- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Brodifacoum Technical 95% w/w min	31-03-2027
181	484004- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Picoxystrobin 10% + Propiconazole 20% SC	31-03-2027
183	473990- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Acetamiprid 30g/l + Lambdacyhalothrin 30g/l EC	31-03-2027
184	485363- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Chlorantraniliprole 20% SC	31-03-2027
185	485362- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Chlorantraniliprole 10% + Spinosad 2.5% SC	31-03-2027
186	485360- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Clothianidin 10% + Bifenthrin 15% ME	31-03-2027
187	483709- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Bromadiolone Technical 97% w/w min	31-03-2027
188	482050- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Transfluthrin 0.75% Mosquito Agarbatti	31-03-2027
189	482046- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Metolachlor 36.8% + Mesotrione 3.68% SE	31-03-2027
190	482045- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Emamectin benzoate 5.2% ME	31-03-2027
191	482048- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Trinexapac ethyl 25.5% EC	31-03-2027
192	482067- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Sulphur 75% + Chlorantraniliprole 0.85% WDG	31-03-2027
193	482043- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Nitenpyram 15% + Pyriproxyfen 20% EC	31-03-2027
194	482041- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Profenofos 50% WDG	31-03-2027
195	482040- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	2, 4-D sodium salt 95% WDG	31-03-2027

196	482039- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Nitrobenzene 15% GR	31-03-2027
197	482031- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Deltamethrin 2.5% DP	31-03-2027
198	481958- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Imidacloprid 5% + Bifenthrin 1% GR	31-03-2027
199	482029- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Lambdacyhalothrin 2% ULV	31-03-2027
200	482047- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	spirotetramat 9.43% + Diafenthiuron 28.30% SC	31-03-2027
201	482063- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Aclonifen 49.58% SC	31-03-2027
202	481956- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Abamectin 3.6% EC	31-03-2027
203	480238- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Pyriproxyfen 35% WP	31-03-2027
204	484567- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Fluazaindolizine 41.15% SC	31-03-2027
205	480236- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Thiocyclam hydrogen oxalate 50% w/w WP	31-03-2027
206	473795- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Spinosad 48% SC	31-03-2027
207	484301- Export/9(3)2026	BERYL CROP CHEM LLP	Pyridalyl 10% E.C.	31-03-2027
208	473801- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Tembotrione Technical 94% w/w min	31-03-2027
209	477649- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Glyphosate 500 g/kg WDG	31-03-2027
210	477648- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Bentazone 48% SL	31-03-2027

211	476439- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	cypermethrin 30g/l + CHLORPYRIFOS 300g/l EC	31-03-2027
212	476096- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Sulphur Technical 99.0 % Min	31-03-2027
213	473991- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Acetamiprid 64 g/l + Emamectin Benzoate 48 g/l EC	31-03-2027
214	485364- Export/9(3)2026	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Dimethoate 25% + Cypermethrin 3% EC	31-03-2027
215	473987- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Atrazine 37% + Metolachlor 29% SE	31-03-2027
216	473989- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Fenoxaprop-p-ethyl 75 g/l EC	31-03-2027
217	473988- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Fluazifop-p-butyl 12.5% + Fomesafen 12.5% EC	31-03-2027
218	484038- Export/9(3)2026	BERYL CROP CHEM LLP	Fluopyram 250 g/l + Trifloxystrobin 250 g/l SC	31-03-2027
219	473797- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	CYAZOFAMID 40% SC	31-03-2027
220	483911- Export/9(3)2026	BERYL CROP CHEM LLP	Dimethomorph 30% + Fluopicolide 10% SC	31-03-2027
221	473802- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Imidacloprid 20% SL	31-03-2027
222	473800- Export/9(3)2025	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Spiromesifen 240g/l SC	31-03-2027
223	484510- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Nitenpyram 40% + Pymetrozine 30% WG	31-03-2027
224	484513- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Cyazofamid 20% SC	31-03-2027
225	484512- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Nitenpyram 50% + Pymetrozine 25% WP	31-03-2027
226	484007- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Propanil 200g/l + Thiobencarb 400g/l EC	31-03-2027
227	484006- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Propamocarb hydrochloride 500g/l + Kasugamycin 25g/l SL	31-03-2027

228	484005- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Propamocarb hydrochloride 500 g/l + Fosetyl-aluminum 310g/l SL	31-03-2027
229	483986- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Tetraniliprole 18.18 % SC	31-03-2027
230	483985- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Sulfoxaflor 500g/kg WG	31-03-2027
231	483965- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Methoxyfenozide 300g/l + Spinetoram 60g/l SC	31-03-2027
232	483984- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Permethrin 50% EC	31-03-2027
233	483964- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Metaflumizone 150 g/l + Methoxyfenozide 150 g/l SC	31-03-2027
234	483915- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Isocycloseram 18.1% SC	31-03-2027
235	483914- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Imidacloprid 20% + Bifenthrin 8% SC	31-03-2027
236	483919- Export/9(3)2026	BERYL CROP CHEM LLP	Dimethomorph 35% + Metalaxyl-M 5% SE	31-03-2027
237	483925- Export/9(3)2026	BERYL CROP CHEM LLP	Emamectin benzoate 4% + Flubendiamide 6% WG	31-03-2027
238	483963- Export/9(3)2026	BERYL CROP CHEM LLP	Fenoxanil 250 g/kg + Kasugamycin 18 g/kg WP	31-03-2027
239	483971- Export/9(3)2026	BERYL CROP CHEM LLP	Flometoquin 10% SC	31-03-2027
240	483978- Export/9(3)2026	BERYL CROP CHEM LLP	Flupyradifurone 200 g/l SL	31-03-2027
241	483801- Export/9(3)2026	BERYL CROP CHEM LLP	Afidopyropen 50 g/l DC	31-03-2027
242	483804- Export/9(3)2026	BERYL CROP CHEM LLP	Bifenazate 200 g/l + Etoxazole 100 g/l SC	31-03-2027
243	483808- Export/9(3)2026	BERYL CROP CHEM LLP	Cyazofamid 10% + Dimethomorph 20% SC	31-03-2027
244	483811- Export/9(3)2026	BERYL CROP CHEM LLP	Cyhalofop-butyl 10% + Metamifop 10% EC	31-03-2027
245	485329- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Boscalid 25.2% + Pyraclostrobin 12.8% w/w WG	31-03-2028
246	485337- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Tebuconazole 18.2% w/w + Trifloxystrobin 9.1% w/w SC	31-03-2028
247	484455- Export/9(3)2026	Unikil Pesticides(P)Ltd	Broflanilide Technical 98.7% min	31-03-2027
248	485304- Export/9(3)2026	KRISHI RASAYAN EXPORTS PVT. LTD.	Cyproconazole technical 95 % w/w min.	31-03-2027
257	483713- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Chlorfenapyr 200gl + Lufenuron 50 gl SC	31-03-2027

258	483710- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Butachlor 30g/l + Cyhalofop-butyl 315g/l EC	31-03-2027
259	483714- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	copper oxychloride 30% + cymoxanil 10% WP	31-03-2027
260	483960- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Mandipropamid 250g/l + Oxathiapiprolin 30g/l SC	31-03-2027
261	483483- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Buprofezin 22% + Spirotetramat 11%SC	31-03-2027
262	483719- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Cyclobutrifluram 450g/l SC	31-03-2027
263	483724- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Cyproconazole 80 gl + Picoxystrobin 200 gl SC	31-03-2027
264	483718- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Cyantraniliprole 10% w/v DC	31-03-2027
265	483462- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Boscalid 20% + Kresoxim methyl 10% SC	31-03-2027
266	483729- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Flometoquin 10% SC	31-03-2027
267	485467- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Deltamethrin 2.5% EC	31-03-2027
268	485318- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Profenofos 72% EC	31-03-2027
269	483728- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	emamectin benzoate 4% + lufenuron 40% WG	31-03-2027
270	483727- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	emamectin benzoate 4% + lufenuron 5% EC	31-03-2027
271	483726- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Dimethomorph 200 g/l + Fluazinam 200 g/l SC	31-03-2027
272	483725- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Dimethomorph 40% W/W + Cymoxanil 10% W/W WP	31-03-2027
273	483720- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Cyflufenamid 50g/l EW	31-03-2027
274	483711- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Butachlor 350 g/l + Propanil 350 g/l EC	31-03-2027
275	483712- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Chlorantraniliprole 15% + Chlorfenapyr 10% SC	31-03-2027
276	485593- Export/9(3)2026	PUNJAB CHEMICALS AND CROP PROTECTION LIMITED	Metobromuron Technical 98.00% w/w Minimum	31-03-2027

277	485133- Export/9(3)2026	BASF Agricultural Solutions Operations India Pvt Ltd	Fenmezoditiaz 40% WG	31-03-2027
280	483529- Export/9(3)2026	TStanes and Company Limited,	Bacillus subtilis 2% SP	31-03-2027
281	481942- Export/9(3)2026	S.D. AGRO CHEMICALS LIMITED	Atrazine 50% + Mesotrione 5% SC For Manufacture for Export (Herbicide)	31-03-2027
282	483975- Export/9(3)2026	BERYL CROPChem LLP	Fluopicolide 10% + Metalaxyl 20% WG	31-03-2027
283	478011- Export/9(3)2025	PERFECT SOLUTIONS	Cyflufenamid 50g/l EW	31-03-2029
284	483982- Export/9(3)2026	BERYL CROPChem LLP	Picoxystrobin 250 g/l + Prothioconazole 50 g/l SC	31-03-2027
285	485219- Export/9(3)2026	Sharda Cropchem Ltd.	Thiamethoxam 12.6% + Lambda Cyhalothrin 9.48% SC	31-03-2027
286	483917- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Kresoxim-methyl 20% + Triflumizole 15% SC	31-03-2027
287	483958- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Lufenuron 50gl + Metaflumizone 200 gl SC	31-03-2027
288	483913- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Hexaconazole 10% SC	31-03-2027
289	483734- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Folpet 50% WP	31-03-2027
290	483733- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Folpet 50% SC	31-03-2027
291	483732- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Fluxametamide 10 % EC	31-03-2027
292	483730- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Fluopyram 250 g/l %+ Trifloxystrobin 250 g/l SC	31-03-2027
293	484440- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Emamectin benzoate 10 g/L + Triflumuron 50 g/L SC	31-03-2028
294	483470- Export/9(3)2026	ROYAL EDB TUBE PRIVATE LIMITED	Benzobicyclon 500gl SC	31-03-2027
295	484461- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Famoxadone 300 g/L + Oxathiapiprolin 30 g/L SE	31-03-2028
296	484483- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Fluopyram 250 g/L + Trifloxystrobin 250 g/L SC	31-03-2028
297	484559- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Methoxyfenozide 150 g/L + Pyridalyl 90 g/L SC	31-03-2028
298	484561- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Picoxystrobin 225 g/L + Prothioconazole 50 g/L SC	31-03-2028
299	486168- Export/9(3)2026	2022 ES Discovery India Private Limited	S-Bioallethrin 1.42 + Permethrin 102.7 + Piperonyl butoxide 98.4 g/L EW	31-03-2027

300	486380- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Iprodione Technical 98% w/w Min.	31-03-2028
301	486383- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Dinotefuran 20% SG	31-03-2028
302	486386- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Diuron 80% WP	31-03-2028
303	478764- Export/9(3)2025	NEW PACK AGRO CHEM	Dimethomorph 200 g/l + Difenoconazole 200 g/l SC	31-03-2028
304	478752- Export/9(3)2025	NEW PACK AGRO CHEM	Dimethomorph 200 g/l + Azoxystrobin 200 g/l SC	31-03-2028
305	478729- Export/9(3)2025	NEW PACK AGRO CHEM	Folpet 500 g/l SC	31-03-2028
306	478724- Export/9(3)2025	NEW PACK AGRO CHEM	Folpet 80% WP w/w	31-03-2028
307	486388- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Trifloxystrobin 50% WG	31-03-2028
308	486412- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Iprodione 23.7% w/w SC	31-03-2028
309	486418- Export/9(3)2026	Rainbow Agrosiences Pvt. Ltd.	Paclobutrazol 23% w/w SC	31-03-2028
310	484474- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Fluopicolide 5.56% + Propamocarb Hydrochloride 55.6% SC	31-03-2028
311	486458- Export/9(3)2026	Agrico Organics Limited	Dimethoate 20% + Lambda- cyhalothrin 0.5% w/w EC	31-03-2027
312	484385- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Chlorfenapyr 250g/l SC	31-03-2028
313	484456- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Etiozazole 10% + Fenpyroximate 5% SC	31-03-2028
314	485459- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Glyphosate 48% SL	31-03-2027
315	485874- Export/9(3)2026	2022 ES Discovery India Private Limited	S-Bioallethrin 7.2 + Permethrin 173.1 + Piperonyl butoxide 155.9 g/l EC	31-03-2027
316	485873- Export/9(3)2026	2022 ES Discovery India Private Limited	Deltamethrin 5 + S-Bioallethrin 7.5 + Piperonyl butoxide 100 g/L EC	31-03-2027
317	485471- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Deltamethrin 5% EC	31-03-2027
318	485697- Export/9(3)2026	Pragna Pharma Private Limited	Bronopol 10.00% w/v SC	31-03-2027
319	485476- Export/9(3)2026	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Cypermethrin 5% EC	31-03-2027
320	485693- Export/9(3)2026	Pragna Pharma Private Limited	Bronopol 30.00% w/v SC	31-03-2027

321	484245- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Abamectin 1% + Cyromazine 34% SC	31-03-2028
322	484284- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Bifenazate 250 g/L + Etoxazole 150 g/L SC	31-03-2028
323	484286- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Bifenthrin 50 g/L + Flonicamid 100 g/L SC	31-03-2028
324	484287- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Bifenthrin 100 g/L + Nitenpyram 150 g/L SL	31-03-2028
325	484295- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Boscalid 240 g/L + Fludioxonil 60 g/L SC	31-03-2028
326	485691- Export/9(3)2026	Pragna Pharma Private Limited	Bronopol 40.00% w/v SC	31-03-2027
327	484304- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Butachlor 275 g/L + Propanil 275 g/L EC	31-03-2028
328	484323- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Chlorantraniliprole 12% + Emamectin benzoate 4% SC	31-03-2028
329	484344- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Chlorfenapyr 15% + Tolfenpyrad 15% SC	31-03-2028
330	484420- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Cyflumetofen 200 g/L SC	31-03-2028
331	484429- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Cyromazine 50% + Thiamethoxam 10% WG	31-03-2028
332	484430- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Emamectin benzoate 2% + Methoxyfenozide 18% SC	31-03-2028
333	484434- Export/9(3)2026	SYNERGY AGROSCIENCE LLP	Emamectin benzoate 4% + Flubendiamide 6% WG	31-03-2028

Annexure 4.1.2

List of applications u/s 9(3) Fast Track Category (Ex-Post Facto)

S. No	Application No	Export/Import Details	Remarks
1	478302-Export/9(3)2025 ELPPE CHEMICALS PRIVATE LIMITED Manufacture for Export	Name of Product to be exported: Niclosamide (ethanolamine Salt-98 % w/w Technical Min.) Name of the Firm/Agency in exporting country: Dubai Agrochem Corporation Limited Address- Lot B 115, Road No-5 Thai Haa Industrial Park Tan Hoa Hemlet, Due Lap Commune Tay Ninh Province, Vietnam Quantity to be exported: 25000/KG	Satisfactory
2	484266-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Azoxystrobin Technical (97.00% w/w Min.) Source of Import: CAC Nantong Chemical Co Ltd Address -Fourth Huanghai Road, Yangkou Chemical Industrial Park, Rudong County, Nantong City, Jiangsu Province, P.R. China. Name of supplier: Nantong Carmel Chemical Trading Co., Ltd. Address: Room 108, Building 22, International Business Garden, Haimen Economic and Technological Development zone, Nantong, Jiangsu, China. Quantity to be imported: 22170 Kg Name of Product to be exported: Azoxystrobin 50 g/kg + Mancozeb 700g/kg WG. Name of the Firm/Agency in exporting country: UPL DO BRASIL Address: UPL DO BRASIL INDUSTRIA E COMERCIO DE INSUMOS AGROPECUARIOS S.A. CNPJ: 02.974.733/0003-14 Avenida Maeda, s/n Distrito Industrial Ituverava/SP CEP: 14500-000 Brazil. Quantity to be exported: 400000 KG	Satisfactory

3	484398-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Acetamiprid Technical (99.00% w/w Min.) Source of Import: Rudong HuaSheng Chemical Co Ltd. Address: Yangkou Chemical Industria Park, Yanhai Economic Development Zone, Rudong, Jiangsu, China Name of supplier: Nanjing Bangnong Chemicals Co., Ltd. Address: Room 1320-1322, Hai Xin Business Center, No. 367 Erbanqiao Road, Gulou District, Nanjing City, Jiangsu province, China. Quantity to be imported: 865.7 Kg Name of Product to be exported: Chlorantraniliprole 100 g/L + Acetamiprid 200g/L SC. Name of the Firm/Agency in exporting country UPL CHILE S. A., Address: EL ROSAL 4610, HUECHURABA SANTIAGO, CHILE. RUT99575150-K. Quantity to be exported: 4000 L	Satisfactory
4	484260-Export/9(3)2026 Arysta LifeScience India Limited Import for Export	Name of Product to be imported: Captan Technical (95.00 % w/w Min.) Source of Import: Guangdong Greatchem Fine Chemical Co Ltd. Address: No.10, New Material Industrial Park, Ruyuan Economic Development Zone, Rucheng Town, Ruyuan County, Shaoguan City, Guangdong Province, 512600, P.R. China. Name of supplier: NA Quantity to be imported: 86 MT Name of Product to be exported: Captan 80% WG Name of the Firm/Agency in exporting country: UPL HELLAS SA Address: UPL HELLAS SA RIZARIOU 16, HALANDRI 15233, GREECE Tel: 0030 210 5578777 VAT No: EL094116531Greece. Quantity to be exported: 100000 KG	Satisfactory

5	484636-Export/9(3)2026 UPL Limited Manufacture for Export	Name of Product to be exported: Tau-fluvalinate 240 g/L EW Name of the Firm/Agency in exporting country: BRASKO spol. s r.o., Železničná 5, 96601 Hliník nad Hronom, Slovakia Quantity to be exported: 2500 Litres	Satisfactory
6	484647-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Hexazinone Technical (98.00% w/w Min.) Source of Import: Jiangsu Corechem Co., Ltd. 18, Shilian Avenue, Huaian City, Jiangsu Province, 223112, P.R. China. Name of supplier: NA Quantity to be imported: 7759.9 KG Name of Product to be exported: Isoxaflutole 125 g/Kg + Hexazinone 125 g/Kg + Sulfentrazone 500 g/Kg WG Name of the Firm/Agency in exporting country: UPL DO BRASIL INDUSTRIA E COMERCIO DE INSUMOS AGROPECUARIOS S.A. CNPJ: 02.974.733/0003-14 Avenida Maeda, s/n Distrito Industrial Ituverava / SP CEP: 14500-000 Brazil Quantity to be exported: 57600 KG	Satisfactory
7	484230-Export/9(3)2026 Willowood Chemicals Ltd. Import for Export	Name of Product to be imported: Thiocyclam Hydrogen Oxalate Technical 87.5% Min. Source of Import: YANCHENG UNITED WEIYE CHEMICAL CO LTD Address-YANHAI INDUSTRIAL PARK, BINHAI ECONOMIC DEVELOPMENT ZONE, JIANGSU, CHINA Name of supplier: Hangzhou Yunhe Cropscience Co Ltd. Address: Room No. 2024, 038 Zhejiang, China. Quantity to be imported: 7200 Kg Name of Product to be exported: Thiocyclam hydrogen Oxalate 50% SP	Satisfactory

		Name of the Firm/Agency in exporting country: Willowood FZE Address: P2-Hamriyah Business Centre, Hamriyah Free Zone, P.O. Box - 53883, Sharjah, United Arab United Arab Emirates. Quantity to be exported: 12000KG	
8	485211-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Picoxystrobin Technical (97.00% w/w Min.) Source of Import: Jiangxi Oushi Chemical Co., Ltd., Room 1307, Yueyang International Business Center, No. 7, South Qingjiang Road, Gulou District, Nanjing, Jiangsu Province, China Name of supplier: Junkai (Tianjin) Chemical Co., Ltd. Room 8-501, Building K2, The Hi-Tech Green Industrial Base, No.6, 6th Road, Hi-Tech Development Road, Tianjin Hi-Tech Industrial Park, Tianjin, China. Quantity to be imported: 4402 KG Name of Product to be exported: (Mancozeb 400 g/L + Picoxystrobin 26. 7 g/L + Tebuconazole 33.3 g/L SC) Name of the Firm/Agency in exporting country: UPL Paraguay S. A. RUC: 80072946-3 Dirección: Edificio Paraqvaria I 5to Piso.Supercarretera, Hernadarias Paraguay. Quantity to be exported: 150000 L	Satisfactory
9	485253-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Tebuconazole Technical (96.00% w/w Min.) Source of Import: Liaoning Zhonghui Biotechnology Co., Ltd., (Fluorine Industry Development Zone)Yimatu Village, Yimatu Town, Fumeng County, Fuxin City, Liaoning Province, China. Name of supplier: Nanjing Bangnong Chemicals Co., Ltd. Room 1320-1322, No. 367 Erbanqiao, Gulou District, Nanjing, Jiangsu, China. Quantity to be imported: 5559 Kg	Satisfactory

		Name of Product to be exported: (Mancozeb 400 g/L + Picoxystrobin 26. 7 g/L + Tebuconazole 33.3 g/L SC) Name of the Firm/Agency in exporting country: UPL Paraguay S. A. RUC: 80072946-3 Dirección: Edificio Paraqvaria I 5to Piso.Supercarretera, Hernadarias Paraguay. Quantity to be exported: 150000 L	
10	485293-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Bifenazate Technical (97.00% w/w Min.) Source of Import: Shaoxing Shangyu Xin YinBang Biochemical CO., LTD., No. 1 Weiwu Road, Hangzhou Bay Shangyu Economic and Technological Development Area, Zhejiang Province, P.R. China, Ltd. Name of supplier: Synpont Crop Science CO., LTD. 58 Qiuyi Road, Binjiang District, Hangzhou, Zhejiang Province Quantity to be imported: 15386.8 KG Name of Product to be exported: Bifenazate 480 g/L SC Name of the Firm/Agency in exporting country: UPL CHILE S.A. EL ROSAL 4610, HUECHURABA SANTIAGO. CHILE, RUT-99575150-K Quantity to be exported: 30000 L	Satisfactory
11	485419-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Bifenazate Technical (97.00% w/w Min.) Source of Import: Shaoxing Shangyu Xin YinBang Biochemical CO., LTD., No. 1 Weiwu Road, Hangzhou Bay Shangyu Economic and Technological Development Area, Zhejiang Province, P.R. China, Ltd. Name of supplier: Synpont Crop Science CO., LTD. 58 Qiuyi Road, Binjiang District, Hangzhou, Zhejiang Province	Satisfactory

		Quantity to be imported: 1230.9 KG Name of Product to be exported: Bifenazate 480 g/L SC Name of the Firm/Agency in exporting country: FARMEX S.A. RUC:20100141583 CAL. DEAN VALDIVIA NRO. 148 DPTO 07 LIMA. Contact: ROCIO MOLINA PERU Quantity to be exported: 2400 L	
12	485486-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Azoxystrobin Technical (97.00% w/w Min.) Source of Import: CAC Nantong Chemical Co., Ltd. Fourth Huanghai Road, Yangkou Chemical Industrial Park, Rudong County, Nantong City, Jiangsu Province, P.R. China. Name of supplier: Nantong Carmel Chemical Trading Co., Ltd. Room 108, Building 22, International Business Garden, Haimen Economic and Technological Development zone, Nantong, Jiangsu, China. Quantity to be imported: 3137 KG Name of Product to be exported: Azoxystrobin 47 + Mancozeb 597 + Tebuconazole 56 g/kg WG Name of the Firm/Agency in exporting country: UPL Paraguay S. A. RUC: 80072946-3 Dirección: Edificio Paraqvaria I 5to Piso.Supercarretera, Hernadarias Paraguay. Quantity to be exported: 60000 KG	Satisfactory
13	485717-Export/9(3)2026 SML Limited Import for Export	Name of Product to be imported: Diflubenzuron Technical 98% Min. Source of Import: M/s. HEBI QUANFENG BIOLOGICAL TECHNOLOGY CO., LTD. No. 1 Jijiashan Industrial Park, Heshan District, Hebi City, Henan, China Name of supplier: M/s. MAXFIELD CHEMICAL LIMITED Room 1011-1012, Building A, No.31,	Satisfactory

		Lane 2419, Hunan Road, Pudong District, Shanghai, China. Quantity to be imported: 3000 Kgs. Name of Product to be exported: Diflubenzuron 25% SC Name of the Firm/Agency in exporting country: Midwest Steel & Agro Supplies Co. Ltd. 2017 Center Avenue, Spanish Lookout, Belize Quantity to be exported: 11760 Litres	
14	484885-Export/9(3)2026 United Phosphorus (India) Private Limited Import for Export	Name of Product to be imported: Lambda Cyhalothrin Technical (95.0% w/w Min.) Source of Import: Jiangsu Chunjiang Runtian Agrochemical Co., Ltd. 6 Huai Hong Road, Huaian Salt Chemical Industrial Park Of Hongze Area, Jiangsu Province, China Name of supplier: NA Quantity to be imported: 3,33,442 Kg Name of Product to be exported: Lambda-cyhalothrin 250 g/L CS Name of the Firm/Agency in exporting country: UPL DO BRASIL INDUSTRIA E COMERCIO DE INSUMOS, AGROPECUARIOS S.A. CNPJ: 02.974.733/0003-14, Distrito Industrial Ituverava/SP CEP: 14500-000, Brazil Quantity to be exported: 1200000 Litres	Satisfactory
15	485045-Export/9(3)2026 United Phosphorus (India) Private Limited Import for Export	Name of Product to be imported: Acetamiprid Technical (99.0% w/w Min.) Source of Import: Hebei Yetian Agrochemicals Co.,Ltd. Industrial Zone, South of Yuanshi County, Shijiazhuang, Hebei, China. Name of supplier: Shanghai Hanfu Biotechnology Co., Ltd. Room 308, No. 106, Zhongjiang Road, Putuo District, Shanghai, China, Quantity to be imported: 1066 MT	Satisfactory

		Name of Product to be exported: Acetamiprid 25% + Bifenthrin 25% WG Name of the Firm/Agency in exporting country: UPL DO BRASIL INDUSTRIA E COMERCIO DE INSUMOS, AGROPECUARIOS S.A. CNPJ: 02.974.733/0003-14, Distrito Industrial Ituverava/SP CEP: 14500-000, Brazil Quantity to be exported: 4000000 Kg	
16	485181-Export/9(3)2026 United Phosphorus (India) Private Limited Import for Export	Name of Product to be imported: Acetamiprid Technical (98.0% w/w Min.) Source of Import: Anhui Biocompounds Chemical Co., Ltd. Dongzhi Economic development zone, Chizhou City, Anhui Province, P.R. China. Name of supplier: Bioagriland HK Crop Care Co., Limited Room 803, Chevalier House, 45-51 Chatham Road South, Tsim Sha Tsui, Kowloon, Hong Kong, P.R. China Quantity to be imported: 538.7 MT Name of Product to be exported: Acetamiprid 25% + Bifenthrin 25% WG Name of the Firm/Agency in exporting country: UPL DO BRASIL INDUSTRIA E COMERCIO DE INSUMOS, AGROPECUARIOS S.A. CNPJ: 02.974.733/0003-14, Distrito Industrial Ituverava/SP CEP: 14500-000, Brazil Quantity to be exported: 2000000 Kg	Satisfactory
17	485998-Export/9(3)2026 MAHAMAYA LIFESCIENCES LTD. Import for Export	Name of Product to be imported: Cyflumetofen 20% SC Source of Import: Shandong United Pesticide Industry Co Ltd., Building 1#, Middle Shengli road, Daxin village, Fan town, Daiyue district, Taian city, Shandong, China. Name of supplier: M/s Agrodragon Co. Ltd., Part 1609B, No. 118, Xin Ling Road, China (Shanghai) Pilot Free Trade Zone	Satisfactory

		Quantity to be imported: 3200 Litres Name of Product to be exported: Cyflumetofen 20% SC Name of the Firm/Agency in exporting country: Cheproce Cropscience Co Ltd. 6F-1, No. 660, Sec. 2, Wuquan West Rd., Nantun Dist. Taichung City 408205, Taiwan Quantity to be exported: 3200 Litres	
18	485992-Export/9(3)2026 MAHAMAYA LIFESCIENCES LTD. Import for Export	Name of Product to be imported: Metiram 80% WG Source of Import: Hebei Shuangji Chemical Co Ltd., Eastern suburb of Xinji City, Hebei, China. Name of supplier: M/s Agrodragon Co. Ltd., Part 1609B, No. 118, Xin Ling Road, China (Shanghai) Pilot Free Trade Zone Quantity to be imported: 5000 Kgs Name of Product to be exported: Metiram 80% WG Name of the Firm/Agency in exporting country: Cheproce Cropscience Co Ltd. 6F-1, No. 660, Sec. 2, Wuquan West Rd., Nantun Dist. Taichung City 408205, Taiwan Quantity to be exported: 5000 Kgs	Satisfactory
19	485552-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Tebuconazole Technical (96.00% w/w Min.) Source of Import: Liaoning Zhonghui Biotechnology Co., Ltd., (Fluorine Industry Development Zone)Yimatu Village, Yimatu Town, Fumeng County, Fuxin City, Liaoning Province, China. Name of supplier: Nanjing Bangnong Chemicals Co., Ltd. Room 1320-1322, No. 367 Erbanqiao, Gulou District, Nanjing, Jiangsu, China. Quantity to be imported: 3807 Kg	Satisfactory

		Name of Product to be exported: Azoxystrobin 47 + Mancozeb 597 + Tebuconazole 56 g/kg WG Name of the Firm/Agency in exporting country: UPL Paraguay S. A. RUC: 80072946-3 Dirección: Edificio Paraqvaria I 5to Piso.Supercarretera, Hernadarias Paraguay. Quantity to be exported: 60000 Kg	
20	485921-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Fenbutatin Oxide Technical (95.00% w/w Min.) Source of Import: Sichuan Heben Crop Protection Co., Ltd. No.30, Hexi Road, Hexi Town, Jialing District, Nanchong City, Sichuan Province, China 637500. Name of supplier: Wenzhou Hyde Chemicals Co.,Ltd Liandun Road, Houjing, Yanjiang Industrial Area, Wenzhou, Zhejiang, China Quantity to be imported: 6091 KG Name of Product to be exported: Fenbutatin Oxide 550 g/L SC Name of the Firm/Agency in exporting country: UPL Limited Australia ABN 76 066 391 384 Level 3, 70 Hindmarsh Square, Adelaide, South Australia 5000 Quantity to be exported: 10000 L	Satisfactory
21	486381-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Prothioconazole Technical (97.00% w/w Min.) Source of Import: Bayer AG, Alte Heerstrasse 2, 41540 Dormagen, Germany. Name of supplier: Bayer AG, Kaiser Wilhelm Allee 1, Leverkusen, Germany. Quantity to be imported: 8364 Kg Name of Product to be exported: Mancozeb 525 + Prothioconazole 37.5+ Azoxystrobin 37.5 g/Kg WG	Satisfactory

		Name of the Firm/Agency in exporting country: UPL Paraguay S.A. RUC: 80072946-3 Dirección: Edificio Paraqvaria, I 5to Piso.Supercarretera, Hernandarias. Paraguay Quantity to be exported: 200000 KG	
22	486591-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Azoxystrobin Technical (97.00% w/w Min.) Source of Import: CAC Nantong Chemical Co., Ltd. Fourth Huanghai Road, Yangkou Chemical Industrial Park, Rudong County, Nantong City, Jiangsu Province, P.R. China. Name of supplier: Nantong Carmel Chemical Trading Co., Ltd. Room 108, Building 22, International Business Garden, Haimen Economic and Technological Development zone, Nantong, Jiangsu, China. Quantity to be imported: 8364 KG Name of Product to be exported: Mancozeb 52.500% + Azoxystrobin 3.750% + Prothioconazole 3.750% WG Name of the Firm/Agency in exporting country: UPL Paraguay S. A. RUC: 80072946-3 Dirección: Edificio Paraqvaria I 5to Piso.Supercarretera, Hernandarias Paraguay. Quantity to be exported: 200000 KG	Satisfactory
23	485848-Export/9(3)2026 SML Limited Import for Export	Name of Product to be imported: Diflubenzuron Technical 98% Min. Source of Import: M/s. HEBI QUANFENG BIOLOGICAL TECHNOLOGY CO., LTD. No. 1 Jijiashan Industrial Park, Heshan District, Hebi City, Henan, China Name of supplier: M/s. MAXFIELD CHEMICAL LIMITED Room 1011-1012, Building A, No.31, Lane 2419, Hunan Road, Pudong District, Shanghai, China. Quantity to be imported: 10300 Kgs.	Satisfactory

		Name of Product to be exported: Diflubenzuron 240g/L SC Name of the Firm/Agency in exporting country: SM AGROCARE BRASIL IMPORTAÇÃO, COMÉRCIO E SERVIÇOS AGRÍCOLAS LTDA Av. José de Souza Campos, 550, salas 71 e 72, Cambuí, Campinas - SP, CEP 13090-615 CNPJ: 34.866.068/0001-70 Quantity to be exported: 42058 Litres	
24	485624-Export/9(3)2026 Advance Agrolife Limited Manufacture for Export	Name of Product to be exported: Diuron 80% SC Name of the Firm/Agency in exporting country: Bajuta International (T) LTD.Address-Plot No. 11, Block E, Wasangu Street P.O Box 12103, Arusha, Tanzania Quantity to be exported: 25000 L	Satisfactory
25	485630-Export/9(3)2026 Advance Agrolife Limited Manufacture for Export	Name of Product to be exported: Metribuzin 48% SC Name of the Firm/Agency in exporting country: Bajuta International (T) LTD.Address-Plot No. 11, Block E, Wasangu Street P.O Box 12103, Arusha, Tanzania Quantity to be exported: 10000 L	Satisfactory
26	486403-Export/9(3)2026 Arysta LifeScience India Limited Import for Export	Name of Product to be imported: Captan Technical (95.00 % w/w Min.) Source of import: M/s Guangdong Greatchem Fine Chemical Co Ltd., No.10, New Material Industrial Park, Ruyuan Economic Development Zone, Rucheng Town, Ruyuan County, Shaoguan City, Guangdong Province, 512600, P.R. China. Name of Supplier: NA Quantity to be imported: 51.6 MT Name of Product to be exported: Captan 80% WG	Satisfactory

		Name of the Firm/Agency in exporting country: UPL Ukraine LLC, 7 Okhtyrskiy lane, Building 4, office 4-201 Kyiv 03066 Ukraine Quantity to be exported: 60000 KG	
27	486413-Export/9(3)2026 Arysta LifeScience India Limited Import for Export	Name of Product to be imported: Captan Technical (95.00 % w/w Min.) Quantity to be imported: 43.00 MT Source of import: M/s Guangdong Greatchem Fine Chemical Co Ltd., No.10, New Material Industrial Park, Ruyuan Economic Development Zone, Rucheng Town, Ruyuan County, Shaoguan City, Guangdong Province, 512600, P.R. China. Name of Supplier: NA Name of Product to be exported: Captan 80% WG Name of the Firm/Agency in exporting country: UPL Hungary KFT, Tomori U. 34, Madarasz Irodapark, H-1138 Budapest, Hungary Quantity to be exported: 50000 KG	Satisfactory
28	486797-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Pyroxasulfone Technical (98.50% w/w Min.) Source of Import: CAC Nantong Chemical Co., Ltd. Fourth Huanghai Road, Yangkou Chemical Industrial Park, Rudong County, Nantong City, Jiangsu Province, P.R. China. Name of supplier: THAI HARVEST LIMITED. RM G, BLK 4, 13/F, Kwun Tong Industrial Centre, 432-446 Kwun Tong Road, Kwun Tong KLN, Hong Kong Quantity to be imported: 230 MT Name of Product to be exported: Pyroxasulfone 85% w/w WG Name of the Firm/Agency in exporting country: UPL Argentina SA DR. NICOLAS REPETTO 3656-OLIVOS I CUIT :30-52218989-4 2 FLOOR-(1636) OLIVOS, BUENOS AIRES Postal code 1425 Argentina Quantity to be exported: 260000 KG	Satisfactory

29	485937-Export/9(3)2026 Cocreate Global technologies private limited Manufacture for Export	Name of Product to be exported: Metribuzin 480 g/L SC Name of the Firm/Agency in exporting country: ETG Inputs Zimbabwe (Pvt) Ltd 1 Robert Drive, Msasa, Harare, Zimbabwe Quantity to be exported: 30320 Litres	Satisfactory
30	485631-Export/9(3)2026 Agrow Allied Ventures Private Limited Import for Export	Name of Product to be imported: Glufosinate Ammonium Technical 95% Min Source of Import: M/s Shijiazhuang Richem Co., Ltd., No. 148 Yuhua road, Chang An District, Shijiazhuang. Name of supplier: Hebei Bestar Industry Co., Ltd., Room 1204-4, Yungang Road, Xiyao Village, Xinchengpu Town, Zhengding District, China (Hebei) Pilot Free Trade Zone. Quantity to be imported: 57 MT Name of Product to be exported: Glufosinate 28% SL Name of the Firm/Agency in exporting country: CASA FERTIL SAS ZOMAC GRANADA Granada - Meta, 9 01.213.237 Calle 15 #15-17 Centro. Quantity to be exported: 193000 Litres	Satisfactory
31	486331-Export/9(3)2026 Agrow Allied Ventures Private Limited Import for Export	Name of Product to be imported: Dimethoate Technical 98% Min Source of Import: M/s Hunan Haili Changde Pesticide Chemical Industry Co., Ltd. No. 2 Sujiadu Street, Sujiadu Neighbourhood Committee, Deshan Sub-District Office, Economic And Technological Development Zone Of Changde, China Name of supplier: Same as Manufacturer Quantity to be imported: 51 MT Name of Product to be exported: Dimethoate 40% EC Name of the Firm/Agency in exporting country: ETCT TRADING PLC.Address- Bole sub city, Woreda-04, House no. 454/D.05, Addis Ababa, Ethiopia. Quantity to be exported: 123000 Ltr	Satisfactory
32	486782-Export/9(3)2026	Name of Product to be imported: Captan Technical 95.00 % w/w Min.	Satisfactory

	Arysta LifeScience India Limited Import for Export	Source of Import: M/s Guangdong Greatchem Fine Chemical Co Ltd., No.10, New Material Industrial Park, Ruyuan Economic Development Zone, Rucheng Town, Ruyuan County, Shaoguan City, Guangdong Province, 512600, P.R. China. Name of supplier: NA Quantity to be imported: 218 MT Name of Product to be exported: Captan 50% WP Name of the Firm/Agency in exporting country: UPL Agro, S.A. de C.V Av. Gabriel Mancera No. 1815-402 Col. Del Valle, Benito Juarez 03100 Ciudad de Mexico, Mexico RFC: UPM940315SH3 Quantity to be exported: 400000 KG	
33	487179-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Picloram Technical (95.00% w/w Min.) Source of Import: Hunan Bide Biochemical Technology Co., Ltd. Ruxi Chemical Industry Zone, Linxiang, Yueyang, Hunan, China. Name of Supplier: NA Quantity to be imported: 4317 KG Name of Product to be exported: 2,4-D Acid 318 g/kg + Picloram 96 g/kg + Metsulfuron methyl 45 g/kg WG Name of the Firm/Agency in exporting country: UPL Colombia S.A.S. Tax ID: 830.095.854-1, Calle 127A No.53A-45 Centro Empresarial Colpatria Torre 2 Of. 501 BOGOTA, Colombia Quantity to be exported: 40000 KG	Satisfactory
34	487165-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: 2,4-D Technical (98.00% w/w Min.) Source of Import: Weihai Hanfu Biochemical Medicine Co., Ltd., Fengtaiding Village, Rushanzhai town, Rushan City, Shandong China. Name of Supplier: Shanghai Hanfu Biotechnology Co., Ltd Room 308, No. 106, Zhongiang Road. Putuo district, Shanghai, China. Quantity to be imported: 13,385 KG	Satisfactory

		Name of Product to be exported: 2,4-D Acid 318 g/kg + Picloram 96 g/kg + Metsulfuron methyl 45 g/kg WG Name of the Firm/Agency in exporting country: UPL Colombia S.A.S. Tax ID: 830.095.854-1, Calle 127A No.53A-45 Centro Empresarial Colpatria Torre 2 Of. 501 BOGOTA, Colombia Quantity to be exported: 40000 KG	
35	487385-Export/9(3)2026 M/s Parijat Industries (India) Ltd Import for Export	Name of Product to be imported: Dinotefuran Technical 98% w/w min.. Source of Import: M/S.JIANGXI HUIHE CHEMICAL CO. LTD. ADD. SPARK INDUSTRIAL PARK, YUNSHAN ECONOMIC DEVELOPMENT ZONE, YONGXIU COUNTY CHINA. Name of supplier: M/S. HIGH HOPE ZHONGTIAN CORPORATION ADDRESS: 15 HUBU STREET, NANJING CHINA. Quantity to be imported: 4075 kg Name of Product to be exported: Bifenthrin 5.5% + Dinotefuran 22% EC Name of the Firm/Agency in exporting country: M/s. PARIJAT MALI SA B.P.E. 1876 RUE 432 IMM, CAPITOLE TRANSIT, HAMDALLAYE ACI 2000, BAMAKO-MALI Quantity to be exported: 18000 liters	Satisfactory
36	486959-Export/9(3)2026 United Phosphorus (India) Private Limited Import for Export	Name of Product to be imported: Tebuconazole Technical (96.00% w/w Min.) Source of Import: Liaoning Zhonghui Biotechnology Co., Ltd., (Fluorine Industry Development Zone) Yimatu Village, Yimatu Town, Fumeng County, Fuxin City, Liaoning Provinc, China. Name of supplier: Nanjing Bangnong Chemicals Co., Ltd. Room 1320-1322, No. 367 Erbanqiao, Gulou District, Nanjing, Jiangsu, China. Quantity to be imported: 3593.1 KG Name of Product to be exported: Tebuconazole 80 g/L FS Name of the Firm/Agency in exporting country: UPL Shanghai Ltd. the 36th floor, Office Tower 1, Raffles City	Satisfactory

		Changning, No.1133 Changning Road, Changning District, Shanghai Quantity to be exported: 40000 Litres	
37	487412-Export/9(3)2026 UPL Limited Import for Export	Name of Product to be imported: Azoxystrobin Technical (97.00% w/w Min.) Source of Import: CAC Nantong Chemical Co., Ltd. Fourth Huanghai Road, Yangkou Chemical Industrial Park, Rudong County, Nantong City, Jiangsu Province, P.R. China. Name of supplier: Nantong Carmel Chemical Trading Co. Room 101, Building 14, Tongjiangyuan, Haimen Subdistrict, Haimen District, Nantong City, Jiangsu Province, China Quantity to be imported: 2.23 MT Name of Product to be exported: Azoxystrobin 50 g/kg + Mancozeb 700 g/kg WG Name of the Firm/Agency in exporting country: UPL Colombia S.A.S. Tax ID: 830.095.854-1, Calie 127A No. 53A-45 Centro Empresarial Colpatria Torre 2 Of.501 BOGOTA, Colombia Quantity to be exported: 40,000 KG	Satisfactory
38	485222-Export/9(3)2026 VSD INDUSTRIES Import for Export	Name of Product to be imported: Atrazine Technical 97% Min. Source of Import: M/s Nanjing Bestgreen Chemical Co., Ltd. Regd. Office:- Room 1803, Overseas Chinese Plaza, No.1 North Daqiao Road, Nanjing, China Name of supplier: NA Quantity to be imported: 11,000 Kg Name of Product to be exported: Atrazine 80% WP Name of the Firm/Agency in exporting country: M/s AP AGRO & TRADE LTD. Address:- DR 172, Dadeban Road, North Industrial Area (Accra), P. O. Box CT 5588 Cantonment, Accra, Ghana. Quantity to be exported: 12,668.40 Kg	Satisfactory
39	486812-Export/9(3)2026 Sumitomo Chemical India Ltd.	Name of Product to be imported: Glyphosate Technical 95% Min	Satisfactory

	Import for Export	Source of Import: Sichuan Leshan Fuhua Tong Da AgroChemical Technology Co.,Ltd, Iaogou Town, Wutongqiao District, Leshan City, Sichuan Province, China Name of supplier: Microchem Specialities Trade Limited Add: 14a Unionway Commercial Centre 283 Queen's Road Central Hongkong Quantity to be imported: 52,800 Kg Name of Product to be exported: Glyphosate as IPA salt (Glyphosate 48% SL) Name of the Firm/Agency in exporting country: Elgon Kenya Limited Masai Road off Mombasa Road PO Box 46826, 00100 Nairobi, Kenya Quantity to be exported: 1,04,500 litres	
40	486886-Export/9(3)2026 Sumitomo Chemical India Ltd. Import for Export	Name of Product to be imported: Glyphosate Technical 95% Min Source of Import: Sichuan Leshan Fuhua Tong Da AgroChemical Technology Co.,Ltd, Iaogou Town, Wutongqiao District, Leshan City, Sichuan Province, China Name of supplier: Microchem Specialities Trade Limited Add: 14a Unionway Commercial Centre 283 Queen's Road Central Hongkong Quantity to be imported: 45356 kg Name of Product to be exported: Glyphosate 65% SG Name of the Firm/Agency in exporting country: Opex Agrin (Pvt) Ltd. No. 74, Union Place, Colombo 2, Sri Lanka. Quantity to be exported: 66,290 kg	Satisfactory
41	486823-Export/9(3)2026 Sumitomo Chemical India Ltd. Import for Export	Name of Product to be imported: Glyphosate Technical 95% Min Source of Import: Sichuan Leshan Fuhua Tong Da AgroChemical Technology Co.,Ltd, Iaogou Town, Wutongqiao District, Leshan City, Sichuan Province, China	Satisfactory

		Name of supplier: Microchem Specialities Trade Limited Add: 14a Unionway Commercial Centre 283 Queen's Road Central Hongkong Quantity to be imported: 78,007 Kg Name of Product to be exported: Glyphosate acid 64.5% (equivalent to Ammonium salt of Glyphosate 71% SG) Name of the Firm/Agency in exporting country:Nour Agro Science for Chemicals Ltd., H-442, Riyadh Elmastal Street, P.O. Box 2643, Riyadh Khartoum, Sudan Quantity to be exported: 1,04,376 kg	

Annexure 4.1.3

List of applications in Star Export Category (Ex-Post Facto)

Sr No.	Application No.	Company Name	Product Name	Remarks
1	484384-Export/9(3)2026	HemaniIndustries Ltd.,	Chlorantraniliprole 200g/L SC	Satisfactory
2	484382-Export/9(3)2026	HemaniIndustries Ltd.,	Profenofos Technical 95.00% w/w Min.	Satisfactory
3	485739-Export/9(3)2026	Dharmaj Crop Guard Limited	Bifenthrin 1% EC (W/V)	Satisfactory
4	485633-Export/9(3)2026	UPL Limited	Triclopyr Butotyl 667.2 + Saflufenacil 28 G/L EC	Satisfactory
5	485900-Export/9(3)2026	Coromandel International Limited	Malathion Technical 95.1% w/w Min.	Satisfactory
6	486294-Export/9(3)2026	Syngenta India Private Limited	Azoxystrobin 30% w/w WG	Satisfactory
7	486625-Export/9(3)2026	Arysta LifeScience India Limited	Alphacypermethrin 80 + Diflubenzuron 96 G/L SC	Satisfactory
8	486724-Export/9(3)2026	Meghmani Organics Limited, Ahmedabad	Ethiprole-80% WG(w/w)- U/s 9(3) Export.	Satisfactory
9	486719-Export/9(3)2026	Tagros Chemicals India Private Limited	Metrafenone Technical	Satisfactory
10	486794-Export/9(3)2026	HemaniIndustries Ltd.,	Tembotrione Technical 97.00% w/w Min.	Satisfactory
11	486790-Export/9(3)2026	HemaniIndustries Ltd.,	Cypermethrin 144 g/l + Imidacloprid 200 g/l SE	Satisfactory
12	486871-Export/9(3)2026	UPL Limited	TEBUCONAZOLE 38.7% SC	Satisfactory
13	486904-Export/9(3)2026	Bharat Rasayan Ltd	FIPRONIL 20% SC (W/V)	Satisfactory
14	486867-Export/9(3)2026	Tagros Chemicals India Private Limited	Sulfentrazone 50% SC w/w	Satisfactory
15	486928-Export/9(3)2026	UPL Limited	TEBUCONAZOLE 80 G/L FS	Satisfactory
16	487103-Export/9(3)2026	UPL Limited	THIOPHANATE-METHYL 46.2% FS	Satisfactory
17	487280-Export/9(3)2026	UPL Limited	CYPERMETHRIN 300 G/L ES	Satisfactory
18	487390-Export/9(3)2026	UPL Limited	METALAXYL 42.5% FS	Satisfactory
19	487433-Export/9(3)2026	UPL Limited	PROPARGITE 73% EC	Satisfactory

20	487477-Export/9(3)2026	India Pesticides Limited	Ziram 76% WG for Manufacture for Export	Satisfactory
21	487535-Export/9(3)2026	India Pesticides Limited	Prosulfocarb 800 g/l + Metribuzin 80 g/l EC for Manufacture for Export	Satisfactory
22	487569-Export/9(3)2026	India Pesticides Limited	Etridiazole 25% EC for Manufacture for Export	Satisfactory
23	487571-Export/9(3)2026	India Pesticides Limited	Etridiazole 35% WP for Manufacture for Export	Satisfactory
24	487575-Export/9(3)2026	Meghmani Organics Limited, Ahmedabad	Flonicamid-80% WG(w/w) - U/s 9(3) Export.	Satisfactory
25	487649-Export/9(3)2026	Bharat Rasayan Ltd	Alpha cypermethrin 25% SC	Satisfactory
26	487769-Export/9(3)2026	UPL Limited	COPPER (BORDEAUX MIXTURE) 20% + CYMOXANIL 4% WG	Satisfactory
27	487934-Export/9(3)2026	Indogulf Crop Sciences Limited	Lambda-cyhalothrin 5% CS w/v	Satisfactory
28	487588-Export/9(3)2026	UPL Limited	CARBOXIN 174 G/L + THIRAM 147 G/L FS	Satisfactory
29	487500-Export/9(3)2026	Rallis India Limited	Indaziflam 500 g/L SC	Satisfactory
30	487834-Export/9(3)2026	UPL Limited	IPCONAZOLE 0.91% + THIRAM 20.40% FS	Satisfactory
31	487502-Export/9(3)2026	M/s Parijat Industries (India) Ltd	Thiamethoxam 250 g/kg + Carbendazim 150 g/kg + Fludioxonil 15 g/kg WS	Satisfactory
32	488007-Export/9(3)2026	UPL Limited	IPCONAZOLE 5 G/L + METALAXYL 13.3 G/L + CARBOXIN 133.3 G/L FS	Satisfactory
33	488026-Export/9(3)2026	Indogulf Crop Sciences Limited	Imidacloprid 35% SC w/v	Satisfactory
34	488096-Export/9(3)2026	Agrow Allied Ventures Private Limited	2,4-D Sodium Salt 50% (w/w) + Metribuzin 15% (w/w) WP	Satisfactory
35	488173-Export/9(3)2026	UPL Limited	COPPER (TRI BASIC COPPER SULFATE) 15% + FOSETYL ALUMINIUM 20% WG	Satisfactory
36	486307-Export/9(3)2026	Atul Limited	Dicamba 50% + Sulfosulfuron 11.8% + Metsulfuron-methyl 3.04% w/w WG	Satisfactory
37	487978-Export/9(3)2026	CHEMINOVA INDIA LIMITED	Chlorantraniliprole 25% w/w MUP	Satisfactory
38	488156-Export/9(3)2026	CHEMINOVA INDIA LIMITED	Chlorantraniliprole 5% w/w MUP	Satisfactory

39	488381-Export/9(3)2026	Omkar Agri Global Pvt Ltd	Thiamethoxam 12.6% w/v + Lambda Cyhalothrin 9.5% w/v ZC	Satisfactory
40	488357-Export/9(3)2026	Omkar Agri Global Pvt Ltd	Indoxacarb 300 g/kg WDG	Satisfactory
41	488179-Export/9(3)2026	CHEMINOVA INDIA LIMITED	Cyantraniliprole 28.30% w/w OD	Satisfactory
42	488182-Export/9(3)2026	CHEMINOVA INDIA LIMITED	Chlorantraniliprole 200 g/L SC	Satisfactory
43	488251-Export/9(3)2026	CHEMINOVA INDIA LIMITED	Fluindapyr 240 g/L + Flutriafol 240 g/L SC	Satisfactory

Annexure-6.52.1

List of already registered bio-pesticide applications u/s 9(3)B/F.

Sr No	Company Name	Product Name	Starin and Accession No	Remarks
1	SHREE PESTICIDES PVT LTD	Verticillium lecanii 1.15% WP	Strain: AS-MEGH-VL, Accession No. MCC-1028	Satisfactory
2	MAHAGRAPES	Metarhizium anisopliae 1.50 % LF	Strain No. T Stanes Ma-1, Accession No. MTCC-5173	Satisfactory
3	MAHAGRAPES	Pseudomonas fluorescens 1.50% LF	Strain No. T Stanes PF-1, Strain Accession no. MTCC 5671	Satisfactory
4	Organica Biotech Pvt. Ltd.	Bacillus thuringiensis var. kurstaki 0.5% WP	Starin: DOR-Bt-1, Accession No: NAIMCC-B-01118	Satisfactory
5	Kriya Biosys Private Limited	Verticillium lecanii 1.15%WP	Strain: AS-MEGH-VL, Accession No. MCC-1028	Satisfactory
6	Kriya Biosys Private Limited	TRICHODERMA VIRIDE 1.50% W.P.	Starin: IIHR TV-5, Accession No: ITCC NO-6889	Satisfactory
7	Tulipcrop Science Private Limited	TRICHODERMA HARZIANUM 1.0% WP	Starin: IIHR TH-2, ACCESSION NO. ITCC NO 6888	Satisfactory
8	Tulipcrop Science Private Limited	TRICHODERMA VIRIDE 1.50% W.P.	Starin: IIHR TV-5, Accession No: ITCC NO-6889	Satisfactory
9	VIJAYA AGRO INDUSTRIES	Bacillus subtilis 1.5% AS	Starin: AMMFA-BS-1, NCMR Accession No: MCC 0581	Satisfactory
10	ENPRO BIO SCIENCES PVT LTD	Bacillus subtilis 1.5% AS	Starin: AMMFA-BS-1, NCMR Accession No: MCC 0581	Satisfactory
11	MANI AGRO CHEMICALS	Bacillus subtilis 1.5% AS	Starin: AMMFA-BS-1, NCMR Accession No: MCC 0581	Satisfactory
12	Godavari Bio-Fertilizer Industries	Bacillus subtilis 1.5% AS	Starin: AMMFA-BS-1, NCMR Accession No: MCC 0581	Satisfactory

13	Nusom Laboratories	Bacillus subtilis 1.5% AS	Starin: AMMFA-BS-1, NCMR Accession No: MCC 0581	Satisfactory

Annexure-6.73.1

List of already registered bio-pesticide applications u/s 9(3)B/F.

Sr No	Company Name	Product Name	Starin and Accession No	Remarks
1.	CHETANA LABORATORY	Beauveria bassiana 1.5% A.S.	Strain -AMMFA BB1.NCMR, accession no.MCC-0579	Satisfactory
2.	SKR Agro-Tech Pvt. Ltd.,	Beauveria bassiana 1.5% A.S.	Strain -AMMFA-BB1.NCMR, accession no.MCC-0579	Satisfactory
3.	Growtech Agri Science and Research Pvt. Ltd.	Beauveria bassiana 1.5% A.S.	Strain -AMMFA-BB1.NCMR, accession no.MCC-0579	Satisfactory
4.	Nusom Laboratories	Beauveria bassiana 1.5% A.S.	Strain -AMMFA-BB1.NCMR, accession no.MCC-0579	Satisfactory
5.	VIJAYA AGRO INDUSTRIES	Beauveria bassiana 1.5% A.S.	Strain -AMMFA-BB1.NCMR, accession no.MCC-0579	Satisfactory
6.	MANI AGRO CHEMICALS	Beauveria bassiana 1.5% A.S.	Strain -AMMFA-BB1.NCMR, accession no.MCC-0579	Satisfactory
7.	Godavari Bio-Fertilizer Industries	Beauveria bassiana 1.5% A.S.	Strain -AMMFA-BB1.NCMR, accession no.MCC-0579	Satisfactory
8.	Zytext Biotech Private Limited	Beauveria Bassiana 1.15% WP	Strain -ICAR-RJP, accession no.MCC-1022	Satisfactory
9.	Om Agro Organics	Beauveria bassiana- 1.5% Liquid Formulation	Strain -T stanes Bb-1, accession no. MTCC-5171	Satisfactory
10.	MANSHYA ENVIRO-BIOTECH PVT. LTD.	Beauveria bassiana- 1.5% Liquid Formulation	Strain -T stanes Bb-1, accession no. MTCC-5171	Satisfactory
11.	K-FERTS LAB	Beauveria bassiana- 1.5% Liquid Formulation	Strain -T stanes Bb-1, accession no. MTCC-5171	Satisfactory
12.	Microbial Mining BioTech Private Limited	Bacillus subtilis 1.5% AS	Strain -KTSB-1015, accession no. MTCC-5786	Satisfactory
13.	Sainath Agro-Vet Industries Pvt. Ltd.	Bacillus subtilis 1.5% AS	Strain -AMMFA-BS1, NCMR accession no. MCC-0581	Satisfactory

14.	Sunshiv Agro Industries	<i>Bacillus thuringiensis</i> kurstaki 0.5% WP	Strain -DOR-Bt-1 accession no. NAIMCC-B-01118	Satisfactory
15.	Ampra Biobact Pvt. Ltd	<i>Metarhizium anisopliae</i> -1%WP	Strain -IPL/KC/44 accession no. ITCC-6895	Satisfactory
16.	FISSION BIO SCIENCES	<i>Metarhizium anisopliae</i> -1%WP	Strain -IPL/KC/44 accession no. ITCC-6895	Satisfactory
17.	Siddhi Industries	<i>Metarhizium anisopliae</i> -1%WP	Strain -IPL/KC/44 accession no. ITCC-6895	Satisfactory
18.	S. S. Biochem (India) Private Limited	<i>Metarhizium anisopliae</i> -1%WP	Strain -IPL/KC/44 accession no. ITCC-6895	Satisfactory
19.	Krishidoot Bio Herbals	<i>Metarhizium anisopliae</i> 1.5% A.S.	Strain -AMMFA-MA 1, accession no. MCC-0578	Satisfactory
20.	SKR Agro-Tech Pvt. Ltd.,	<i>Metarhizium anisopliae</i> 1.5% A.S.	Strain -AMMFA-MA 1, accession no. MCC-0578	Satisfactory
21.	Nusom Laboratories	<i>Metarhizium anisopliae</i> 1.5% A.S.	Strain -AMMFA-MA 1, accession no. MCC-0578	Satisfactory
22.	MANSHYA ENVIRO-BIOTECH PVT. LTD.	<i>Metarhizium anisopliae</i> 1.5% LF	Strain -T Stanes Ma-1, accession no. MCC-5173	Satisfactory
23.	K-FERTS LAB	<i>Metarhizium anisopliae</i> 1.5% LF	Strain -T Stanes Ma-1, accession no. MTCC-5173	Satisfactory
24.	Allwin Industries	<i>Pseudomonas Fluorescens</i> 0.5% WP	Strain -T NAU-TV1, accession no. ITCC-BE-0005	Satisfactory
25.	Ampra Biobact Pvt. Ltd.	<i>Pseudomonas fluorescens</i> -1%WP	Strain -IIHR-PF-2, accession no. ITCC-B0034	Satisfactory
26.	Siddhi Industries	<i>Pseudomonas fluorescens</i> -1%WP	Strain -IIHR-PF-2, accession no. ITCC-B0034	Satisfactory
27.	SIESTO SYSTEMS PRIVATE LIMITED	<i>Pseudomonas fluorescens</i> -1%WP	Strain -IIHR-PF-2, accession no. ITCC-B0034	Satisfactory
28.	Microbial Mining BioTech Private Limited	<i>Pseudomonas Fluorescens</i> 1.5% LF	Strain -PF-1, accession no. MTCC-5671	Satisfactory
29.	Krishi Vigyan Kendra	<i>Pseudomonas fluorescens</i> -2%AS	Strain -IPL-PS-01, accession no. MTCC-5227	Satisfactory
30.	Dscign Biosys Pvt Ltd	<i>Paecilomyces lilacinus</i> 1.50% LF	Strain -T STANES PL-1, accession no. MTCC-5175	Satisfactory
31.	IDEAL AGRI CARE	<i>Paecilomyces lilacinus</i> 1.50% LF	Strain -T STANES PL-1, accession no. MTCC-5175	Satisfactory
32.	Dscign Biosys Pvt Ltd	<i>Trichoderma harzianum</i> 1% WP	Strain -IIHR-TH-2 accession no. ITCC-6888	Satisfactory
33.	SKR Agro-Tech Pvt. Ltd.,	<i>Trichoderma harzianum</i> -1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory

34.	Growtech Agri Science and Research Pvt. Ltd.	Trichoderma harzianum-1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory
35.	Anand Agro Care	Trichoderma harzianum-1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory
36.	CHETANA LABORATORY	Trichoderma harzianum-1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory
37.	Geolife Agritech India Private Limited	Trichoderma harzianum-1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory
38.	Krishidoot Bio Herbals	Trichoderma harzianum-1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory
39.	Tanay Agronics	Trichoderma harzianum-1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory
40.	Godavari Bio-Fertilizer Industries	Trichoderma harzianum-1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory
41.	K-FERTS LAB	Trichoderma harzianum-2%AS	Strain -IPL/VT/102 accession no. ITCC-6893	Satisfactory
42.	MANSHYA ENVIRO-BIOTECH PVT. LTD.	Trichoderma viride-1.5% Liquid Formulation	Strain -TV-1 accession no. MTCC-5170	Satisfactory
43.	Siddhi Industries	Verticillium Chlamydosporium-1%WP	Strain -IIHR-VC-3 accession no. ITCC-6898	Satisfactory
44.	Anu Products Limited	Verticillium lecanii-1.15%WP	Strain -AS-MEGH-VL accession no. MCC-1028	Satisfactory
45.	Sainath Agro-Vet Industries Pvt. Ltd.	Lecanicillium (Verticillium) lecanii 1.5% A.S.	Strain -AMMFA-V1, NCMR accession no. MCC-0577	Satisfactory
46.	MANSHYA ENVIRO-BIOTECH PVT. LTD.	Verticillium lecanii-1.5% Liquid Formulation	Strain -T STANES VI-1 accession no. MTCC-5172	Satisfactory
47.	Agri Search India Private Limited	Metarhizium anisopliae 1.5% A.S.	Strain -AMMFA-MA 1, accession no. MCC-0578	Satisfactory
48.	Agri Search India Private Limited	Pseudomonas fluorescens-1.5% AS	Strain -AMMFA-PF1, NCMR accession no. MCC-0580	Satisfactory
49.	Nusom Laboratories	Trichoderma viride-1.5% AS	Strain -AMMFA-TV-1, NCMR accession no. MCC-0582	Satisfactory
50.	Nusom Laboratories	Lecanicillium (Verticillium) lecanii 1.5% A.S.	Strain -AMMFA-V1, NCMR accession no. MCC-0577	Satisfactory

51.	Agri Search India Private Limited	Lecanicillium (Verticillium) lecanii 1.5% A.S.	Strain -AMMFA-V1, NCMR accession no. MCC-0577	Satisfactory
52.	Nusom Laboratories	Trichoderma harzianum-1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory
53.	Agri Search India Private Limited	Trichoderma harzianum-1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory
54.	GREEN TECH AGRO PRODUCTS	Trichoderma harzianum-1.5% AS	Strain -AMMFA-TH1, NCMR accession no. MCC-0583	Satisfactory
55.	ENPRO BIO SCIENCES PVT LTD	Trichoderma viride-1.5% AS	Strain -AMMFA-TV-1, NCMR accession no. MCC-0582	Satisfactory

Annexure-8.1.1

AGENDA Item No: Consideration of applications for grant of registration of Formulation Indigenous Manufacture (FIM) under section ((4) of The Insecticide Act 1968.

Total number of files 1456

Total number of applications scrutinized: 1456

Satisfactory 1456

S.No	Application No.	Section/ Category	Company Name	Product Name	Remarks
1.	487040-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Cyclanilprole 9.3% w/w DC (Cyclanilprole 10.0% w/v DC)	Satisfactory
2.	485055-F/9(4)2026	9(4) - F	MAHAMAYA LIFESCIENCES LTD.	Clethodim 25 % w/w (240 g/l) EC	Satisfactory
3.	482613-F/9(4)2026	9(4) - F	Nova Agri Sciences Pvt Ltd	Bispyribac Sodium 9.5% + Penoxsulam 7.8% w/v SC	Satisfactory
4.	486138-F/9(4)2026	9(4) - F	FARMIST AGROCHEM	Clothianidin 0.5% GR	Satisfactory
5.	485120-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Tolfenpyrad 30 % + Pyriproxyfen 10 % + Acetamiprid 4% EC	Satisfactory
6.	485123-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Trifloxystrobin 25% + Hexaconazole 25% WG	Satisfactory
7.	485999-F/9(4)2026	9(4) - F	HINDUSTAN PESTICIDES AND CHEMICALS	Chlorantraniliprole 5% DT	Satisfactory
8.	485954-F/9(4)2026	9(4) - F	AG-GROW PRODUCTS LIMITED	Fipronil 40% + Imidacloprid 40% WG	Satisfactory
9.	485878-F/9(4)2026	9(4) - F	Kohinoor Insecticide Industry	Propaquizafop 10% EC	Satisfactory
10.	485815-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	TRIFLUMEZOPYRIM 10% w/w SC	Satisfactory
11.	485813-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Topramezone 336 g/l (w/v) SC	Satisfactory
12.	486052-F/9(4)2026	9(4) - F	Crop Master Private Limited	ABAMECTIN 1.9% EC	Satisfactory
13.	486051-F/9(4)2026	9(4) - F	Crop Master Private Limited	2,4-D amine salt 58% S.L.	Satisfactory
14.	486036-F/9(4)2026	9(4) - F	RADICAL CROP SCIENCE PVT LTD	BISPYRIBAC SODIUM 20% + PYRAZOSULFURON ETHYL 15% WDG	Satisfactory
15.	486001-F/9(4)2026	9(4) - F	HINDUSTAN PESTICIDES AND CHEMICALS	Chlorantraniliprole 47.85% SC	Satisfactory
16.	485811-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Tolfenpyrad 15% + Bifenthrin 7.5 % SE	Satisfactory
17.	485810-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Pyraclostrobin 10% + Thifluzamide 10% w/v SC	Satisfactory
18.	485809-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Propaquizafop 10% EC	Satisfactory
19.	485808-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Pendimethalin 30% + Imazethapyr 2% EC	Satisfactory
20.	485806-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Nitrobenzene 20% EW	Satisfactory
21.	485805-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Indoxacarb 5% + Fipronil 5% SC	Satisfactory
22.	485804-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Gibberellic Acid 0.45% SL	Satisfactory
23.	485803-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Ethiprole 40% + Imidacloprid 40% WG	Satisfactory
24.	483520-F/9(4)2026	9(4) - F	NEXCHEM AGRO SOLUTIONS PVT. LTD.	Flubendiamide 19.92% + Thiacloprid 19.92% w/w SC for indigenous manufacture	Satisfactory

25.	484189-F/9(4)2026	9(4) - F	Kohinoor Insecticide Industry	Pyraclostrobin 3.5% + Thiram 15% + Clothianidin 22.5% FS	Satisfactory
26.	485800-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Fipronil 15% + Chlorantraniliprole 5% SC	Satisfactory
27.	486000-F/9(4)2026	9(4) - F	HINDUSTAN PESTICIDES AND CHEMICALS	Chlorantraniliprole 35% WG	Satisfactory
28.	484876-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Acetamiprid 25% + Bifenthrin 25% WG	Satisfactory
29.	484878-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Cyflumetofen 20% SC	Satisfactory
30.	484880-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Flufenacet 60 %WP	Satisfactory
31.	484882-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Fluopicolide 4.44% + Fosetyl Aluminum 66.67% WG	Satisfactory
32.	484929-F/9(4)2026	9(4) - F	Chemtech Agro Care Pvt. Ltd.	Carfentrazone ethyl 40% DF	Satisfactory
33.	484931-F/9(4)2026	9(4) - F	Chemtech Agro Care Pvt. Ltd.	Nitenpyram 25% SP	Satisfactory
34.	485036-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Fomesafen 12.5% + Quisqualop ethyl 4.68% EC	Satisfactory
35.	485043-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Haloxypol R Methyl 10.5% EC	Satisfactory
36.	485050-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Kresoxim-methyl 18% + Mancozeb 54% WP	Satisfactory
37.	485054-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Methoxyfenozide 5% + Chlorpyrifos 25% SE	Satisfactory
38.	485059-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Nitenpyram 25% SP	Satisfactory
39.	485064-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Penconazole 10% EC	Satisfactory
40.	485067-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Prochloraz 5.7 % + Tebuconazole 1.4% ES	Satisfactory
41.	485068-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	PROCHLORAZ 34.8% + PROPICONAZOLE 7.8% EC	Satisfactory
42.	485070-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Spinetoram 11.7% SC	Satisfactory
43.	485071-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Spiromesifen 15% + Hexythiazox 2.2 % + Abamectin 1.15 % SC	Satisfactory
44.	485072-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Tembotrione 9% + Atrazine 45% WG	Satisfactory
45.	485073-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Tetraniliprole 40.34% FS	Satisfactory
46.	485117-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Thiocyclam Hydrogen Oxalate 3.0% + Clothianidin 1.2% GR	Satisfactory
47.	485798-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Dinotefuran 70% WG	Satisfactory
48.	485797-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Cyantraniliprole 10% + Pymetrozine 50% WG	Satisfactory
49.	485795-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Cyantraniliprole 7.3%w/w + Diafenthiuron 36.4%w/w SC (Cyantraniliprole 8% w/v + Diafenthiuron 40%w/v SC) (Cyantraniliprole 80 g/L + Diafenthiuron 400 g/L-480 SC)	Satisfactory
50.	485793-F/9(4)2026	9(4) - F	Sirot Seeds and Chemical Pvt. Ltd.	Azoxystrobin 20% + Thifluzamide 15% w/v SC	Satisfactory
51.	485748-F/9(4)2026	9(4) - F	SHAKTIMAAN CROP LIFE	PACLOBUTRAZOLE 40% SC	Satisfactory
52.	485747-F/9(4)2026	9(4) - F	SHAKTIMAAN CROP LIFE	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
53.	485745-F/9(4)2026	9(4) - F	SHAKTIMAAN CROP LIFE	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
54.	485741-F/9(4)2026	9(4) - F	SHAKTIMAAN CROP LIFE	Lufenuron 5.4% EC	Satisfactory

55.	485740-F/9(4)2026	9(4) - F	SHAKTIMAAN CROP LIFE	Metalaxyl 35% W.S.	Satisfactory
56.	485738-F/9(4)2026	9(4) - F	SHAKTIMAAN CROP LIFE	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
57.	485735-F/9(4)2026	9(4) - F	SHAKTIMAAN CROP LIFE	AZOXYSTROBIN 4.8% w/w + CHLOROTHALONIL 40.0% w/w SC	Satisfactory
58.	476543-F/9(4)2025	9(4) - F	Galaxy Crop care	Chlorantraniliprole 47.85% SC	Satisfactory
59.	476541-F/9(4)2025	9(4) - F	Galaxy Crop care	Chlorantraniliprole 9.3% + Lambda cyhalothrin 4.6% ZC	Satisfactory
60.	476538-F/9(4)2025	9(4) - F	Galaxy Crop care	Carfentrazone ethyl 40% DF	Satisfactory
61.	476537-F/9(4)2025	9(4) - F	Galaxy Crop care	Azoxystrobin 20% + Thifluzamide 15% w/v SC	Satisfactory
62.	486119-F/9(4)2026	9(4) - F	TYRONE AGRO CHEMICALS PVT.LTD	Nitrobenzene 20% EW	Satisfactory
63.	485118-F/9(4)2026	9(4) - F	Meenakshi Agro Chemicals	Tolfenpyrad 15% +Bifenthrin 7.5 % SE	Satisfactory
64.	486147-F/9(4)2026	9(4) - F	Omkar Agri Global Pvt Ltd	Chlorothalonil 75% WP	Satisfactory
65.	486149-F/9(4)2026	9(4) - F	PROXIMA BIOTECH PRIVATE LIMITED	Validamycin 3% L	Satisfactory
66.	486151-F/9(4)2026	9(4) - F	Omkar Agri Global Pvt Ltd	Dimethoate 30% E.C	Satisfactory
67.	486154-F/9(4)2026	9(4) - F	PROXIMA BIOTECH PRIVATE LIMITED	Picoxystrobin 6.78% w/w +Tricyclazole 20.33% w/w SC	Satisfactory
68.	486158-F/9(4)2026	9(4) - F	PROXIMA BIOTECH PRIVATE LIMITED	TRIFLUMEZOPYRIM 10% w/w SC	Satisfactory
69.	486163-F/9(4)2026	9(4) - F	PROXIMA BIOTECH PRIVATE LIMITED	QUIZALOFOP ETHYL 10% EC	Satisfactory
70.	486164-F/9(4)2026	9(4) - F	Target Agro Chemical	Chlorantraniliprole 18.5% w/w SC	Satisfactory
71.	486166-F/9(4)2026	9(4) - F	PROXIMA BIOTECH PRIVATE LIMITED	Metolachlor 50 % E C	Satisfactory
72.	485956-F/9(4)2026	9(4) - F	AG-GROW PRODUCTS LIMITED	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
73.	486063-F/9(4)2026	9(4) - F	Crop Master Private Limited	Ammonium Salt of Glyphosate 71% SG	Satisfactory
74.	486262-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
75.	485845-F/9(4)2026	9(4) - F	GEE KAY AGRI UNO	Topramezone 10 g/l + Atrazine 300 g/l SC	Satisfactory
76.	486261-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Mepiquat Chloride 5 % Aqueous Solution	Satisfactory
77.	486260-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
78.	486068-F/9(4)2026	9(4) - F	Crop Master Private Limited	AZOXYSTROBIN 7.1% + PROPICONAZOLE 11.9 % W/W SE	Satisfactory
79.	468190-F/9(4)2025	9(4) - F	TYRONE AGRO CHEMICALS PVT.LTD	Propaquiza fop 10% EC	Satisfactory
80.	486197-F/9(4)2026	9(4) - F	Ratnakar India Limited	Propanil 80% DF	Satisfactory
81.	486048-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Fluazifop-p-butyl 13.4% EC	Satisfactory
82.	468181-F/9(4)2025	9(4) - F	FARMIST AGROCHEM	Propaquiza fop 10% EC	Satisfactory
83.	486047-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Clodinafop - Propargyl 15% WP	Satisfactory
84.	486272-F/9(4)2026	9(4) - F	ALEX CROP CARE	Imazethapyr 10 % SL	Satisfactory
85.	486271-F/9(4)2026	9(4) - F	ALEX CROP CARE	Ammonium Salt of Glyphosate 71% SG	Satisfactory
86.	486253-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Chlorfenapyr 240 g/l SC	Satisfactory

87.	486258-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Etioazole 10% SC	Satisfactory
88.	486268-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Topramezone 336 g/l (w/v) SC	Satisfactory
89.	486257-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Ethiprole 10.7% + Pymetrozine 40% WG	Satisfactory
90.	486267-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Tembotrione 9% + Atrazine 45% WG	Satisfactory
91.	486064-F/9(4)2026	9(4) - F	Crop Master Private Limited	Atrazine 50% W.P.	Satisfactory
92.	486266-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Spinetoram 11.7% SC	Satisfactory
93.	486140-F/9(4)2026	9(4) - F	FARMIST AGROCHEM	Nitrobenzene 20% EW	Satisfactory
94.	486256-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Clethodim 25 % w/w (240 g/l) EC	Satisfactory
95.	486252-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Chlorantraniliprole 47.85% SC	Satisfactory
96.	486243-F/9(4)2026	9(4) - F	Rolex New Biotech	Topramezone 336 g/l (w/v) SC	Satisfactory
97.	486066-F/9(4)2026	9(4) - F	Crop Master Private Limited	AZOXYSTROBIN 4.8% w/w + CHLOROTHALONIL 40.0% w/w SC	Satisfactory
98.	468183-F/9(4)2025	9(4) - F	FARMIST AGROCHEM	Topramezone 10 g/l + Atrazine 300 g/l SC	Satisfactory
99.	468189-F/9(4)2025	9(4) - F	TYRONE AGRO CHEMICALS PVT.LTD	Topramezone 10 g/l + Atrazine 300 g/l SC	Satisfactory
100.	486251-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Bifenthrin 8% + Clothianidin 10% SC	Satisfactory
101.	486265-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Pyroxasulfone 85% WG	Satisfactory
102.	486061-F/9(4)2026	9(4) - F	Crop Master Private Limited	Ametryn 80% WG	Satisfactory
103.	486264-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Propaquizafop 10% EC	Satisfactory
104.	486263-F/9(4)2026	9(4) - F	Econs Crop Protection Private Limited	Metiram 70% WG	Satisfactory
105.	486060-F/9(4)2026	9(4) - F	Crop Master Private Limited	Alphacypermethrin 10% SC	Satisfactory
106.	486059-F/9(4)2026	9(4) - F	Crop Master Private Limited	Alphacypermethrin 10% EC	Satisfactory
107.	486065-F/9(4)2026	9(4) - F	Crop Master Private Limited	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
108.	486058-F/9(4)2026	9(4) - F	Crop Master Private Limited	Alphacypermethrin 5% WP	Satisfactory
109.	486057-F/9(4)2026	9(4) - F	Crop Master Private Limited	ALPHA NAPHTHYL ACETIC ACID 4.5% SL	Satisfactory
110.	486055-F/9(4)2026	9(4) - F	Crop Master Private Limited	Acephate 75% SP	Satisfactory
111.	486054-F/9(4)2026	9(4) - F	Crop Master Private Limited	Acephate 50% + Imidacloprid 1.8% SP	Satisfactory
112.	486083-F/9(4)2026	9(4) - F	Crop Master Private Limited	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
113.	486084-F/9(4)2026	9(4) - F	Crop Master Private Limited	Azoxystrobin 23% SC for indigenous manufacture	Satisfactory
114.	486093-F/9(4)2026	9(4) - F	Crop Master Private Limited	Bensulfuron Methyl 0.6 % + Pretilachlor 6 % GR (Ready mix)	Satisfactory
115.	486094-F/9(4)2026	9(4) - F	Crop Master Private Limited	Beta Cyfluthrin 2.45% S.C.	Satisfactory
116.	486095-F/9(4)2026	9(4) - F	Crop Master Private Limited	Betacyfluthrin 8.49% w/w + Imidacloprid 19.81% w/w OD	Satisfactory
117.	486097-F/9(4)2026	9(4) - F	Crop Master Private Limited	Bispyribac sodium 10% w/v SC	Satisfactory

118.	486099-F/9(4)2026	9(4) - F	Crop Master Private Limited	Butachlor 5% GR	Satisfactory
119.	486100-F/9(4)2026	9(4) - F	Crop Master Private Limited	Captan 70%+ Hexaconazole 5% WP	Satisfactory
120.	486101-F/9(4)2026	9(4) - F	Crop Master Private Limited	Carbendazim 12% + Mancozeb 63% WP	Satisfactory
121.	486102-F/9(4)2026	9(4) - F	Crop Master Private Limited	Carbendazim 50% WP	Satisfactory
122.	486103-F/9(4)2026	9(4) - F	Crop Master Private Limited	Cartap Hydrochloride 4% GR	Satisfactory
123.	486104-F/9(4)2026	9(4) - F	Crop Master Private Limited	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
124.	486336-F/9(4)2026	9(4) - F	JAYALAKSHMI FERTILISERS	Pyroxasulfone 85% WG	Satisfactory
125.	481081-F/9(4)2026	9(4) - F	Future Crop Science	Chlorantraniliprole 0.53% + Fipronil 0.8% GR	Satisfactory
126.	481085-F/9(4)2026	9(4) - F	Future Crop Science	Pyriproxyfen 10% EC	Satisfactory
127.	481087-F/9(4)2026	9(4) - F	Future Crop Science	Pyroxasulfone 85% WG	Satisfactory
128.	481088-F/9(4)2026	9(4) - F	Future Crop Science	Tolfenpyrad 15%EC	Satisfactory
129.	481090-F/9(4)2026	9(4) - F	Future Crop Science	TRIFLUMEZOPYRIM 10% w/w SC	Satisfactory
130.	486322-F/9(4)2026	9(4) - F	NEXCHEM AGRO SOLUTIONS PVT. LTD.	Fomesafen 11.1% + Fluazifop-p-butyl 11.1% SL	Satisfactory
131.	486321-F/9(4)2026	9(4) - F	NEXCHEM AGRO SOLUTIONS PVT. LTD.	THIOCYCLAM HYDROGEN OXALATE 50% SP	Satisfactory
132.	486320-F/9(4)2026	9(4) - F	NEXCHEM AGRO SOLUTIONS PVT. LTD.	THIOCYCLAM HYDROGEN OXALATE 4% GR	Satisfactory
133.	486316-F/9(4)2026	9(4) - F	NEXCHEM AGRO SOLUTIONS PVT. LTD.	Thiocyclam Hydrogen Oxalate 3.0% + Clothianidin 1.2% GR	Satisfactory
134.	486314-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Emamectin Benzoate 1.5% + Fipronil 3.5% SC for indigenous manufacture	Satisfactory
135.	486293-F/9(4)2026	9(4) - F	Agrow Allied Ventures Private Limited	AZOXYSTROBIN 4.8% w/w + CHLOROTHALONIL 40.0% w/w SC	Satisfactory
136.	486277-F/9(4)2026	9(4) - F	Appolo Biotech	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
137.	486276-F/9(4)2026	9(4) - F	Appolo Biotech	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
138.	486275-F/9(4)2026	9(4) - F	Appolo Biotech	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
139.	486274-F/9(4)2026	9(4) - F	Appolo Biotech	ABAMECTIN 1.9% EC	Satisfactory
140.	486270-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	CHLORANTRANILIPROLE 8.8% + THIAMETHOXAM 17.5% SC	Satisfactory
141.	486269-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Chlorantraniliprole 9.3% + Lambda cyhalothrin 4.6% ZC	Satisfactory
142.	486259-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	ABAMECTIN 1.9% EC	Satisfactory
143.	486254-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	DELTAMETHRIN 2% w/w EW	Satisfactory
144.	486250-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Acetamiprid 20% SP	Satisfactory
145.	486249-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Bifenthrin 8% SC for indigenous manufacture	Satisfactory
146.	486233-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Chlorantraniliprole 18.5% w/w SC	Satisfactory
147.	486232-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Chlorantraniliprole 35% WG	Satisfactory
148.	486231-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Chlorantraniliprole 47.85% SC	Satisfactory
149.	486167-F/9(4)2026	9(4) - F	Target Agro Chemical	Tembotrione 34.4% w/w SC	Satisfactory

150.	486162-F/9(4)2026	9(4) - F	Tulipcrop Science Private Limited	Cymoxanil 8% + Mancozeb 64% WP	Satisfactory
151.	486156-F/9(4)2026	9(4) - F	Tulipcrop Science Private Limited	Copper Sulphate 47.15% + Mancozeb 30% WDG for indigenous manufacture	Satisfactory
152.	485743-F/9(4)2026	9(4) - F	SHAKTIMAAN CROP LIFE	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
153.	485849-F/9(4)2026	9(4) - F	Leeds Life Sciences Private Limited	Mesotrione 40% w/w (48% w/v) SC	Satisfactory
154.	485858-F/9(4)2026	9(4) - F	Bharat Certis AgriScience Limited	Neem Oil Based EC containing Azadirachtin 0.03% (300 PPM) Min.	Satisfactory
155.	486111-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorantraniliprole 47.85% SC	Satisfactory
156.	485896-F/9(4)2026	9(4) - F	Gujrat Pesticides Company	Pyriproxyfen 8% + Dinotefuran 5% + Diafenthiuron 18% SC	Satisfactory
157.	486110-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorantraniliprole 18.5% w/w SC	Satisfactory
158.	486109-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorantraniliprole 9.3% + Lambda cyhalothrin 4.6% ZC	Satisfactory
159.	485961-F/9(4)2026	9(4) - F	Startek Chemicals Ltd.	Spiromesifen 22.9% SC	Satisfactory
160.	485963-F/9(4)2026	9(4) - F	Startek Chemicals Ltd.	Novaluron 5.25% + Indoxacarb 4.5% w/w SC	Satisfactory
161.	485964-F/9(4)2026	9(4) - F	Startek Chemicals Ltd.	Imidacloprid 21% w/w + Beta-cyfluthrin 10.5% w/w SC for indigenous manufacture	Satisfactory
162.	485967-F/9(4)2026	9(4) - F	Startek Chemicals Ltd.	Chlorantraniliprole 35% WG	Satisfactory
163.	485969-F/9(4)2026	9(4) - F	Startek Chemicals Ltd.	Indoxacarb 14.5% + Acetamiprid 7.7% w/w SC	Satisfactory
164.	485988-F/9(4)2026	9(4) - F	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Picoxystrobin 7.05% + Propiconazole 11.71% SC for indigenous manufacture	Satisfactory
165.	486018-F/9(4)2026	9(4) - F	Tulipcrop Science Private Limited	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
166.	486019-F/9(4)2026	9(4) - F	Tulipcrop Science Private Limited	SODIUM PARA-NITRO PHENOLATE 0.3 % SL	Satisfactory
167.	486107-F/9(4)2026	9(4) - F	Crop Master Private Limited	CHLORANTRANILIPROLE 8.8% + THIAMETHOXAM 17.5% SC	Satisfactory
168.	486071-F/9(4)2026	9(4) - F	Crop Master Private Limited	Azoxystrobin 8.3% + Mancozeb 66.7% WG for indigenous manufacture	Satisfactory
169.	486105-F/9(4)2026	9(4) - F	Crop Master Private Limited	CHLORANTRANILIPROLE 4.3% w/w + ABAMECTIN 1.7% w/w SC	Satisfactory
170.	486073-F/9(4)2026	9(4) - F	Crop Master Private Limited	Azoxystrobin 11% + Tebuconazole 18.3% w/w SC	Satisfactory
171.	486076-F/9(4)2026	9(4) - F	Crop Master Private Limited	AZOXYSTROBIN 11.5% + MANCOZEB 30% w/w WP	Satisfactory
172.	486079-F/9(4)2026	9(4) - F	Crop Master Private Limited	Azoxystrobin 12.5% + Tebuconazole 12.5% SC for indigenous manufacture	Satisfactory
173.	486082-F/9(4)2026	9(4) - F	Crop Master Private Limited	AZOXYSTROBIN 16.7 % + TRICYCLAZOLE 33.3% SC	Satisfactory
174.	485895-F/9(4)2026	9(4) - F	Gujrat Pesticides Company	Azoxystrobin 20% + Thifluzamide 15% w/v SC	Satisfactory
175.	486118-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorpyrifos 50% + Cypermethrin 5% EC	Satisfactory
176.	486116-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorpyrifos 10% GR	Satisfactory
177.	486399-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Neem Oil Based EC containing Azadirachtin 0.03% (300 PPM) Min.	Satisfactory

178.	486136-F/9(4)2026	9(4) - F	Crop Master Private Limited	Cymoxanil 8% + Mancozeb 64% WP	Satisfactory
179.	486117-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorpyrifos 20%E.C	Satisfactory
180.	486115-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorpyrifos 50% E.C.	Satisfactory
181.	486385-F/9(4)2026	9(4) - F	Sahib Pesticides Private Limited	Hexythiazox 3.5% + Diafenthiuron 42% WDG	Satisfactory
182.	486396-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Thiophanate Methyl 41.7% SC	Satisfactory
183.	486150-F/9(4)2026	9(4) - F	Crop Master Private Limited	Emamectin Benzoate 1.9% EC	Satisfactory
184.	486278-F/9(4)2026	9(4) - F	Appolo Biotech	PACLOBUTRAZOLE 40% SC	Satisfactory
185.	486144-F/9(4)2026	9(4) - F	Crop Master Private Limited	Dimethomorph 50% WP	Satisfactory
186.	486143-F/9(4)2026	9(4) - F	Crop Master Private Limited	Dimethoate 30% E.C	Satisfactory
187.	486141-F/9(4)2026	9(4) - F	Crop Master Private Limited	Difenoconazole 25% EC	Satisfactory
188.	486279-F/9(4)2026	9(4) - F	Appolo Biotech	Picoxystrobin 22.52% SC for indigenous manufacture	Satisfactory
189.	486139-F/9(4)2026	9(4) - F	Crop Master Private Limited	DIAFENTHIURON 47% + BIFENTHRIN 9.4% SC	Satisfactory
190.	486280-F/9(4)2026	9(4) - F	Appolo Biotech	Pretilachlor 50% E.C.	Satisfactory
191.	486401-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Fipronil 40% + Imidacloprid 40% WG	Satisfactory
192.	486402-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Deltamethrin 0.72% w/w + Buprofezin 5.65% w/w EC	Satisfactory
193.	486130-F/9(4)2026	9(4) - F	Crop Master Private Limited	Cyantraniliprole 10.26% w/w OD	Satisfactory
194.	486126-F/9(4)2026	9(4) - F	Crop Master Private Limited	Copper Oxychloride containing copper contents 50.00% w/w WP	Satisfactory
195.	486114-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorothalonil 75% WP	Satisfactory
196.	486113-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorothalonil 40.0% + Difenoconazole 4.0% SC	Satisfactory
197.	486112-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorantraniliprole 50% FS	Satisfactory
198.	486405-F/9(4)2026	9(4) - F	EKAM CROP SCIENCE	Chlorantraniliprole 0.45% + Fipronil 0.50% + Emamectin Benzoate 0.18% GR	Satisfactory
199.	486132-F/9(4)2026	9(4) - F	Crop Master Private Limited	CYANTRANILIPROLE 19.8% + THIAMETHOXAM 19.8% FS	Satisfactory
200.	485892-F/9(4)2026	9(4) - F	Gujrat Pesticides Company	Chlorantraniliprole 9.3% + Lambda cyhalothrin 4.6% ZC	Satisfactory
201.	485893-F/9(4)2026	9(4) - F	Gujrat Pesticides Company	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
202.	486175-F/9(4)2026	9(4) - F	Crop Master Private Limited	Glyphosate 41% S.L.	Satisfactory
203.	484448-F/9(4)2026	9(4) - F	Enjochem Agrochemical Industries	Gibberellic Acid 0.1% GR	Satisfactory
204.	485894-F/9(4)2026	9(4) - F	Gujrat Pesticides Company	Boscalid 25.2% + Pyraclostrobin 12.8% WG	Satisfactory
205.	486155-F/9(4)2026	9(4) - F	Seedlings India Private Limited	Topramezone 10 g/l + Atrazine 300 g/l SC	Satisfactory
206.	485953-F/9(4)2026	9(4) - F	AG-GROW PRODUCTS LIMITED	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
207.	486176-F/9(4)2026	9(4) - F	Crop Master Private Limited	Halosulfuron Methyl 5% + Atrazine 48% WG	Satisfactory
208.	486152-F/9(4)2026	9(4) - F	Crop Master Private Limited	Emamectin Benzoate 5% SG	Satisfactory
209.	486177-F/9(4)2026	9(4) - F	Crop Master Private Limited	Hexaconazole 4%+ Zineb 68% WP	Satisfactory

210.	486145-F/9(4)2026	9(4) - F	Ambrosia Crop Science	AZOXYSTROBIN 4.8% w/w + CHLOROTHALONIL 40.0% w/w SC	Satisfactory
211.	486419-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Lambda cyhalothrin 5% EC.	Satisfactory
212.	486420-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Mancozeb 75 % WP	Satisfactory
213.	486421-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Paraquat Dichloride 24% SL	Satisfactory
214.	486422-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	PYMETROZINE 50% WG	Satisfactory
215.	486198-F/9(4)2026	9(4) - F	Ambrosia Crop Science	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
216.	480778-F/9(4)2026	9(4) - F	Enjochem Agrochemical Industries	AZOXYSTROBIN 16.7 % + TRICYCLAZOLE 33.3% SC	Satisfactory
217.	480758-F/9(4)2026	9(4) - F	Enjochem Agrochemical Industries	PYRIPROXYFEN 5% + DIAFENTHIURON 25% SE	Satisfactory
218.	486374-F/9(4)2026	9(4) - F	Green Crop Chemicals Industries	Tembotrione 34.4% w/w SC	Satisfactory
219.	473766-F/9(4)2025	9(4) - F	Ambrosia Crop Science	Tolfenpyrad 15%EC	Satisfactory
220.	473770-F/9(4)2025	9(4) - F	Ambrosia Crop Science	Dinotefuran 70% WG	Satisfactory
221.	486169-F/9(4)2026	9(4) - F	Crop Master Private Limited	FIPRONIL 18.87% W/W SC	Satisfactory
222.	486179-F/9(4)2026	9(4) - F	Crop Master Private Limited	Hexaconazole 5% EC	Satisfactory
223.	486171-F/9(4)2026	9(4) - F	Crop Master Private Limited	Fipronil 40% + Imidacloprid 40% WG	Satisfactory
224.	486165-F/9(4)2026	9(4) - F	Crop Master Private Limited	Fipronil 5% SC	Satisfactory
225.	486173-F/9(4)2026	9(4) - F	Crop Master Private Limited	Flonicamid 50% WG	Satisfactory
226.	486174-F/9(4)2026	9(4) - F	Crop Master Private Limited	Gibberellic Acid 0.001% L	Satisfactory
227.	486046-F/9(4)2026	9(4) - F	Ambrosia Crop Science	Emamectin Benzoate 1.5% + Fipronil 3.5% SC for indigenous manufacture	Satisfactory
228.	486161-F/9(4)2026	9(4) - F	Ambrosia Crop Science	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
229.	486159-F/9(4)2026	9(4) - F	Crop Master Private Limited	Fipronil 0.05% Gel	Satisfactory
230.	486537-F/9(4)2026	9(4) - F	India Pesticides Limited	Broflanilide 300g/l SC	Satisfactory
231.	486185-F/9(4)2026	9(4) - F	Crop Master Private Limited	Imidacloprid 21 % w/w + Beta-cyfluthrin 10.5% w/w SC for indigenous manufacture	Satisfactory
232.	486186-F/9(4)2026	9(4) - F	Crop Master Private Limited	Imidacloprid 30.5% SC	Satisfactory
233.	486187-F/9(4)2026	9(4) - F	Crop Master Private Limited	Indoxacarb 14.5% + Acetamiprid 7.7% w/w SC	Satisfactory
234.	486189-F/9(4)2026	9(4) - F	Crop Master Private Limited	Lambda cyhalothrin 5% EC.	Satisfactory
235.	486190-F/9(4)2026	9(4) - F	Crop Master Private Limited	MANCOZEB 40 % + AZOXYSTROBIN 7 % W/W OS	Satisfactory
236.	486191-F/9(4)2026	9(4) - F	Crop Master Private Limited	Mancozeb 75 % WP	Satisfactory
237.	486464-F/9(4)2026	9(4) - F	India Pesticides Limited	Cyantraniliprole 7.3%w/w + Diafenthiuron 36.4%w/w SC (Cyantraniliprole 8% w/v + Diafenthiuron 40%w/v SC) (Cyantraniliprole 80 g/L + Diafenthiuron 400 g/L-480 SC)	Satisfactory
238.	477257-F/9(4)2025	9(4) - F	WINTech AGRO CHEMICALS	Neem Seed Kernel Based EC Containing Azadirachtin- 1% (10000 ppm) min.	Satisfactory

239.	477259-F/9(4)2025	9(4) - F	WINTech AGRO CHEMICALS	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
240.	477260-F/9(4)2025	9(4) - F	WINTech AGRO CHEMICALS	Chlorantraniliprole 9.3% + Lambda cyhalothrin 4.6% ZC	Satisfactory
241.	486192-F/9(4)2026	9(4) - F	Crop Master Private Limited	Metalaxyl 35% W.S.	Satisfactory
242.	486193-F/9(4)2026	9(4) - F	Crop Master Private Limited	Metalaxyl-M 3.3% + Chlorothalonil 33.1% SC	Satisfactory
243.	486194-F/9(4)2026	9(4) - F	Crop Master Private Limited	Metalaxyl-M 4% + Mancozeb 64% WP	Satisfactory
244.	486195-F/9(4)2026	9(4) - F	Crop Master Private Limited	Metiram 55% + Pyraclostrobin 5% WG	Satisfactory
245.	486196-F/9(4)2026	9(4) - F	Crop Master Private Limited	Metiram 70% WG	Satisfactory
246.	486199-F/9(4)2026	9(4) - F	Crop Master Private Limited	Metribuzin 70% W.P.	Satisfactory
247.	486200-F/9(4)2026	9(4) - F	Crop Master Private Limited	Myclobutanil 10 % WP	Satisfactory
248.	486201-F/9(4)2026	9(4) - F	Crop Master Private Limited	Nitrobenzene 20% EW	Satisfactory
249.	486202-F/9(4)2026	9(4) - F	Crop Master Private Limited	Paclobutrazol 23% W/W SC	Satisfactory
250.	486203-F/9(4)2026	9(4) - F	Crop Master Private Limited	PACLOBUTRAZOLE 40% SC	Satisfactory
251.	486465-F/9(4)2026	9(4) - F	India Pesticides Limited	CYANTRANILIPROLE 19.8% + THIAMETHOXAM 19.8% FS	Satisfactory
252.	486469-F/9(4)2026	9(4) - F	India Pesticides Limited	Diafenthiuron 48.0% + Dinotefuran 8.0% WG	Satisfactory
253.	486470-F/9(4)2026	9(4) - F	India Pesticides Limited	Lufenuron 5.4% EC	Satisfactory
254.	486473-F/9(4)2026	9(4) - F	India Pesticides Limited	Propaquizafop 2.5% + Imazethapyr 3.75% ME	Satisfactory
255.	486475-F/9(4)2026	9(4) - F	India Pesticides Limited	Propiconazole 10.7% + Tricyclazole 34.2% SE	Satisfactory
256.	486476-F/9(4)2026	9(4) - F	India Pesticides Limited	Pyriproxyfen 8% + Dinotefuran 5% + Diafenthiuron 18% SC	Satisfactory
257.	486477-F/9(4)2026	9(4) - F	India Pesticides Limited	Sodium Acifluorfen 16.5% + Clodinafop-Propargyl 8% EC for indigenous manufacture	Satisfactory
258.	486478-F/9(4)2026	9(4) - F	India Pesticides Limited	Spinetoram 11.7% SC	Satisfactory
259.	486281-F/9(4)2026	9(4) - F	Appolo Biotech	QUIZALOFOP ETHYL 7.5% + IMAZETHAPYR 15 % EC	Satisfactory
260.	477261-F/9(4)2025	9(4) - F	WINTech AGRO CHEMICALS	DIAFENTHIURON 47% + BIFENTHRIN 9.4% SC	Satisfactory
261.	486531-F/9(4)2026	9(4) - F	India Pesticides Limited	PENOXSULAM 1.02% + CYHALOFOP-BUTYL 5.1% OD	Satisfactory
262.	486414-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Cartap Hydrochloride 4% GR	Satisfactory
263.	486463-F/9(4)2026	9(4) - F	India Pesticides Limited	Chlorantraniliprole 0.45% + Fipronil 0.50% + Emamectin Benzoate 0.18% GR	Satisfactory
264.	486415-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Chlorpyrifos 50% + Cypermethrin 5% EC	Satisfactory
265.	486326-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Kitazine - 48 % EC	Satisfactory
266.	486416-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Emamectin Benzoate 5% SG	Satisfactory
267.	486417-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Glyphosate 41% S.L.	Satisfactory
268.	486431-F/9(4)2026	9(4) - F	CROP GENE TECHNOLOGY	Dimethoate 30% E.C	Satisfactory
269.	486459-F/9(4)2026	9(4) - F	India Pesticides Limited	Acetamiprid 25% + Bifenthrin 25% WG	Satisfactory

270.	486462-F/9(4)2026	9(4) - F	India Pesticides Limited	Bensulfuron Methyl 0.6 % + Pretilachlor 6 % GR (Ready mix)	Satisfactory
271.	486180-F/9(4)2026	9(4) - F	Crop Master Private Limited	Hexaconazole 5% SC	Satisfactory
272.	486181-F/9(4)2026	9(4) - F	Crop Master Private Limited	Imidacloprid 0.3% GR	Satisfactory
273.	486183-F/9(4)2026	9(4) - F	Crop Master Private Limited	IMIDACLOPRID 17.8% SL	Satisfactory
274.	486489-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	CHLORANTRANILIPROLE 4.3% w/w + ABAMECTIN 1.7% w/w SC	Satisfactory
275.	481105-F/9(4)2026	9(4) - F	MARGOSA BIOGROW INDIA PRIVATE LIMITED	Bensulfuron Methyl 0.6 % + Pretilachlor 6 % GR (Ready mix)	Satisfactory
276.	481570-F/9(4)2026	9(4) - F	MARGOSA BIOGROW INDIA PRIVATE LIMITED	Bispyribac sodium 10% w/v SC	Satisfactory
277.	482168-F/9(4)2026	9(4) - F	MARGOSA BIOGROW INDIA PRIVATE LIMITED	IPA Salt of Glyphosate 54% SL for indigenous manufacture	Satisfactory
278.	482323-F/9(4)2026	9(4) - F	MARGOSA BIOGROW INDIA PRIVATE LIMITED	Pendimethalin 38.7% CS	Satisfactory
279.	482338-F/9(4)2026	9(4) - F	MARGOSA BIOGROW INDIA PRIVATE LIMITED	Clodinafop - Propargyl 15% WP	Satisfactory
280.	482640-F/9(4)2026	9(4) - F	MARGOSA BIOGROW INDIA PRIVATE LIMITED	PENOX SULAM 1.02% + CYHALOFOP-BUTYL 5.1% OD	Satisfactory
281.	482694-F/9(4)2026	9(4) - F	MARGOSA BIOGROW INDIA PRIVATE LIMITED	SULFENTRAZONE 39.6 % w/w SC	Satisfactory
282.	482750-F/9(4)2026	9(4) - F	MARGOSA BIOGROW INDIA PRIVATE LIMITED	Tembotrione 34.4% w/w SC	Satisfactory
283.	482801-F/9(4)2026	9(4) - F	MARGOSA BIOGROW INDIA PRIVATE LIMITED	Topramezone 336 g/l (w/v) SC	Satisfactory
284.	483116-F/9(4)2026	9(4) - F	MARGOSA BIOGROW INDIA PRIVATE LIMITED	Ammonium Salt of Glyphosate 71% SG	Satisfactory
285.	461572-F/9(4)2025	9(4) - F	GREENWOOD AGRICHEM LLP	Acephate 75% SP	Satisfactory
286.	485920-F/9(4)2026	9(4) - F	JAI SHREE RAM AGRO PRIVATE LIMITED	Pyrithiobac- Sodium 10 % EC	Satisfactory
287.	486204-F/9(4)2026	9(4) - F	Crop Master Private Limited	Paraquat Dichloride 24% SL	Satisfactory
288.	486205-F/9(4)2026	9(4) - F	Crop Master Private Limited	PENOX SULAM 2.67% w/w OD	Satisfactory
289.	486206-F/9(4)2026	9(4) - F	Crop Master Private Limited	PENOX SULAM 0.97% + BUTACHLOR 38.8% SE	Satisfactory
290.	486207-F/9(4)2026	9(4) - F	Crop Master Private Limited	Picoxystrobin 6.78% w/w + Tricyclazole 20.33% w/w SC	Satisfactory
291.	486208-F/9(4)2026	9(4) - F	Crop Master Private Limited	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
292.	486209-F/9(4)2026	9(4) - F	Crop Master Private Limited	Profenophos 50% EC	Satisfactory
293.	486210-F/9(4)2026	9(4) - F	Crop Master Private Limited	Pyriproxyfen 8% + Dinotefuran 5% + Diafenthiuron 18% SC	Satisfactory
294.	486211-F/9(4)2026	9(4) - F	Crop Master Private Limited	Quinalphos 25% EC	Satisfactory
295.	486212-F/9(4)2026	9(4) - F	Crop Master Private Limited	TEBUCONAZOLE 6.7% + CAPTAN 26.9% W/W SC	Satisfactory
296.	486213-F/9(4)2026	9(4) - F	Crop Master Private Limited	Tembotrione 34.4% w/w SC	Satisfactory
297.	486214-F/9(4)2026	9(4) - F	Crop Master Private Limited	Temephos 50% E.C	Satisfactory
298.	486215-F/9(4)2026	9(4) - F	Crop Master Private Limited	Thiamethoxam 12.6% + Lambda-Cyhalothrin 9.5% ZC for indigenous manufacture	Satisfactory
299.	486216-F/9(4)2026	9(4) - F	Crop Master Private Limited	Thiamethoxam 30% FS	Satisfactory

300.	486217-F/9(4)2026	9(4) - F	Crop Master Private Limited	Thiophanate Methyl 70% WP	Satisfactory
301.	486218-F/9(4)2026	9(4) - F	Crop Master Private Limited	Tolfenpyrad 15%EC	Satisfactory
302.	486219-F/9(4)2026	9(4) - F	Crop Master Private Limited	TRICYCLAZOLE 20.4% w/w + AZOXYSTROBIN 6.8% w/w SC	Satisfactory
303.	486220-F/9(4)2026	9(4) - F	Crop Master Private Limited	Zineb 75% WP	Satisfactory
304.	486234-F/9(4)2026	9(4) - F	Crop Master Private Limited	Azoxystrobin 5.1 % + Tebuconazole 9.1 % + Prochloraz 18.2% EC	Satisfactory
305.	486235-F/9(4)2026	9(4) - F	Crop Master Private Limited	Azoxystrobin 18.2% + Cyproconazole 7.3% SC	Satisfactory
306.	486236-F/9(4)2026	9(4) - F	Crop Master Private Limited	Bispyribac sodium 38% + Chlorimuron Ethyl 2.5% + Metsulfuron Methyl 2.5% WG	Satisfactory
307.	486237-F/9(4)2026	9(4) - F	Crop Master Private Limited	Broflanilide 300g/l SC	Satisfactory
308.	486238-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorantraniliprole 0.64% + Tebuconazole 3% + Clothianidin 1.92% GR	Satisfactory
309.	486239-F/9(4)2026	9(4) - F	Crop Master Private Limited	Cyantraniliprole 16.9% + Lufenuron 16.9% SC	Satisfactory
310.	486240-F/9(4)2026	9(4) - F	Crop Master Private Limited	Fomesafen 11.1% + Fluazifop-p-butyl 11.1% SL	Satisfactory
311.	486241-F/9(4)2026	9(4) - F	Crop Master Private Limited	Propaquizafop 5% + Oxyfluorfen 12% EC	Satisfactory
312.	486242-F/9(4)2026	9(4) - F	Crop Master Private Limited	Pymetrozine 30% + Dinotefuran 10% + Pyraclostrobin 20% WG	Satisfactory
313.	486244-F/9(4)2026	9(4) - F	Crop Master Private Limited	Pyraclostrobin 3.5% + Thiram 15% + Clothianidin 22.5% FS	Satisfactory
314.	486246-F/9(4)2026	9(4) - F	Crop Master Private Limited	Chlorantraniliprole 0.53% + Fipronil 0.8% GR	Satisfactory
315.	486287-F/9(4)2026	9(4) - F	Safe Agrochemicals LLP	Dinotefuran 70% WG	Satisfactory
316.	486292-F/9(4)2026	9(4) - F	Agrow Allied Ventures Private Limited	PENOX SULAM 0.97% + BUTACHLOR 38.8% SE	Satisfactory
317.	486426-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	2,4-D amine salt 58% S.L.	Satisfactory
318.	486429-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Dimethomorph 50% WP	Satisfactory
319.	486434-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Fonicamid 50% WG	Satisfactory
320.	486436-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	PACLOBUTRAZOLE 40% SC	Satisfactory
321.	486437-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Clothianidin 50 % WG	Satisfactory
322.	486438-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Mandipropamid 23.4% SC	Satisfactory
323.	486439-F/9(4)2026	9(4) - F	FORWARD CROP PROTECTION PVT. LTD.	Carfentrazone ethyl 40% DF	Satisfactory
324.	486440-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Fenobucarb (B.P.M.C) 50% EC	Satisfactory
325.	486441-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
326.	486442-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Copper Oxchloride containing copper contents 50.00% w/w WP	Satisfactory
327.	486456-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Chlorantraniliprole 18.5% w/w SC	Satisfactory
328.	486457-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	ABAMECTIN 1.9% EC	Satisfactory
329.	486460-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory

330.	486467-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Bispyribac sodium 10% w/v SC	Satisfactory
331.	486468-F/9(4)2026	9(4) - F	India Pesticides Limited	Cyclaniliprole 9.3% w/w DC (Cyclaniliprole 10.0% w/v DC)	Satisfactory
332.	486487-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Oxyflourfen 23.5% E.C (w/w)	Satisfactory
333.	486490-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	NOVALURON 5.25% + EMAMECTIN BENZOATE 0.9% W/W SC	Satisfactory
334.	486491-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Carbendazim 12% + Mancozeb 63% WP	Satisfactory
335.	486494-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Metalaxyl 8% + Mancozeb 64% WP	Satisfactory
336.	486499-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	2,4-D amine salt 58% S.L.	Satisfactory
337.	486500-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	BISPYRIBAC SODIUM 20% + PYRAZOSULFURON ETHYL 15% WDG	Satisfactory
338.	486501-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	CARTAP HYDROCHLORIDE 4% + FIPRONIL 0.5% CG	Satisfactory
339.	486503-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	ABAMECTIN 1.9% EC	Satisfactory
340.	486505-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	FLUOPYRAM 17.7 % + TEBUCONAZOLE 17.7 % SC	Satisfactory
341.	486507-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Iprovalicarb 5.5% + Propineb 61.25% WP	Satisfactory
342.	486512-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
343.	486517-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Alphacypermethrin 10% EC	Satisfactory
344.	486519-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Atrazine 50% W.P.	Satisfactory
345.	486521-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Pendimethalin 30% + Imazethapyr 2% EC	Satisfactory
346.	486522-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Bifenthrin 10% EC w/w	Satisfactory
347.	486523-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	BISPYRIBAC SODIUM 20% + PYRAZOSULFURON ETHYL 15% WDG	Satisfactory
348.	486527-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Cartap Hydrochloride 4% GR	Satisfactory
349.	486530-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Cartap Hydrochloride 50% SP	Satisfactory
350.	486534-F/9(4)2026	9(4) - F	India Pesticides Limited	Fomesafen 11.1% + Fluazifop-p-butyl 11.1% SL	Satisfactory
351.	486535-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Chlorantraniliprole 18.5% w/w SC	Satisfactory
352.	486538-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Chlorothalonil 75% WP	Satisfactory
353.	486540-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Chlorpyrifos 50% + Cypermethrin 5% EC	Satisfactory
354.	486543-F/9(4)2026	9(4) - F	Target Agro Chemical	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
355.	486544-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Cymoxanil 8% + Mancozeb 64% WP	Satisfactory
356.	486546-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Cypermethrin 1.0% chalk	Satisfactory
357.	486548-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Cypermethrin 10% E.C.	Satisfactory
358.	486549-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Cypermethrin 25% E.C.	Satisfactory
359.	486550-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Difenoconazole 25% EC	Satisfactory
360.	486552-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Emamectin Benzoate 1.9% EC	Satisfactory
361.	486553-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Emamectin Benzoate 5% SG	Satisfactory

362.	486557-F/9(4)2026	9(4) - F	Crop Master Private Limited	Azoxystrobin 20% + Thifluzamide 15% w/v SC	Satisfactory
363.	486558-F/9(4)2026	9(4) - F	Crop Master Private Limited	Bispyribac Sodium 0.25% + Penoxsulam 0.25% + Pyrazosulfuron Ethyl 0.20% GR	Satisfactory
364.	486559-F/9(4)2026	9(4) - F	Crop Master Private Limited	Cyantraniliprole 18.41% SC	Satisfactory
365.	486560-F/9(4)2026	9(4) - F	Crop Master Private Limited	Cyazofamid 34.5% SC	Satisfactory
366.	486562-F/9(4)2026	9(4) - F	Crop Master Private Limited	Pymetrozine 25.0% + Thiamethoxam 17.5% + Hexaconazole 12.5% WG	Satisfactory
367.	486571-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Hexaconazole 5% SC	Satisfactory
368.	486574-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Mancozeb 75 % WP	Satisfactory
369.	486575-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Metalaxyl 8% + Mancozeb 64% WP	Satisfactory
370.	486576-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Neem Kernel Based EC Containing Azadirachtin 0.3% w/w min.(3000 PPM)	Satisfactory
371.	486578-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Neem Seed Kernel Based EC containing AZADIRACHTIN 0.15% EC (1500 ppm) min	Satisfactory
372.	486582-F/9(4)2026	9(4) - F	Agrocel Industries Pvt Ltd	Neem Seed Kernel Based EC containing AZADIRACHTIN 0.15% EC (1500 ppm) min	Satisfactory
373.	486584-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	NOVALURON 5.25% + EMAMECTIN BENZOATE 0.9% W/W SC	Satisfactory
374.	486587-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Paraquat Dichloride 24% SL	Satisfactory
375.	486589-F/9(4)2026	9(4) - F	Gharda Chemicals Limited	Chlorantraniliprole 15.75% + Clothianidin 26.25% SC	Satisfactory
376.	486590-F/9(4)2026	9(4) - F	Agrocel Industries Pvt Ltd	Neem Kernel Based EC Containing Azadirachtin 0.3% w/w min.(3000 PPM)	Satisfactory
377.	486596-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Pendimethalin 30 % EC	Satisfactory
378.	486601-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Permethrin - 25% EC	Satisfactory
379.	486604-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Profenophos 50% EC	Satisfactory
380.	486605-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Propineb 70% WP	Satisfactory
381.	486606-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	PYMETROZINE 50% WG	Satisfactory
382.	486609-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Pyriproxyfen 8% + Dinotefuran 5% + Diafenthiuron 18% SC	Satisfactory
383.	486610-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
384.	486613-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Acephate 75% SP	Satisfactory
385.	486614-F/9(4)2026	9(4) - F	Crop Master Private Limited	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
386.	486615-F/9(4)2026	9(4) - F	Crop Master Private Limited	NOVALURON 5.25% + EMAMECTIN BENZOATE 0.9% W/W SC	Satisfactory
387.	486616-F/9(4)2026	9(4) - F	Crop Master Private Limited	QUIZALOFOP ETHYL 4% + OXYFLUORFEN 6% EC	Satisfactory
388.	486617-F/9(4)2026	9(4) - F	Crop Master Private Limited	QUIZALOFOP ETHYL 10% EC	Satisfactory
389.	486618-F/9(4)2026	9(4) - F	Crop Master Private Limited	Sulphur 80% WDG	Satisfactory

390.	486619-F/9(4)2026	9(4) - F	Crop Master Private Limited	Sulphur 80% W.P	Satisfactory
391.	486620-F/9(4)2026	9(4) - F	Crop Master Private Limited	Triacantanol EW 0.1% MIN.	Satisfactory
392.	486621-F/9(4)2026	9(4) - F	Crop Master Private Limited	Validamycin 3% L	Satisfactory
393.	486652-F/9(4)2026	9(4) - F	S G BIO TECH	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
394.	486688-F/9(4)2026	9(4) - F	SOVEREIGN AGRI INDUSTRIES	Chlorantraniliprole 0.53% + Fipronil 0.8% GR	Satisfactory
395.	486696-F/9(4)2026	9(4) - F	Hindustan Rasayan Pvt. Ltd.	Metalaxyl-M 4% + Mancozeb 64% WP	Satisfactory
396.	486698-F/9(4)2026	9(4) - F	Hindustan Rasayan Pvt. Ltd.	Ethephon 39% S.L	Satisfactory
397.	486600-F/9(4)2026	9(4) - F	ERACONE SULPHUR LLP	Sulphur 80% W.P	Satisfactory
398.	486599-F/9(4)2026	9(4) - F	ERACONE SULPHUR LLP	Sulphur 85% D.P.	Satisfactory
399.	486598-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	PENOXSULAM 1.02% + CYHALOFOP-BUTYL 5.1% OD	Satisfactory
400.	486597-F/9(4)2026	9(4) - F	ERACONE SULPHUR LLP	Tebuconazole 10% + Sulphur 65% WG	Satisfactory
					Satisfactory
401.	485746-F/9(4)2026	9(4) - F	SHAKTIMAAN CROP LIFE	Chlorothalonil 75% WP	
402.	486637-F/9(4)2026	9(4) - F	S G BIO TECH	Chlorantraniliprole 47.85% SC	Satisfactory
403.	486633-F/9(4)2026	9(4) - F	S G BIO TECH	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
404.	486632-F/9(4)2026	9(4) - F	S G BIO TECH	Aluminium Phosphide 56% (f) Tablet	Satisfactory
405.	486634-F/9(4)2026	9(4) - F	S G BIO TECH	AZOXYSTROBIN 4.8% w/w + CHLOROTHALONIL 40.0% w/w SC	Satisfactory
406.	486636-F/9(4)2026	9(4) - F	S G BIO TECH	CHLORANTRANILIPROLE 4.3% w/w + ABAMECTIN 1.7% w/w SC	Satisfactory
407.	486711-F/9(4)2026	9(4) - F	IVAAN CROP CARE LLP	Tolfenpyrad 15%EC	Satisfactory
408.	486710-F/9(4)2026	9(4) - F	IVAAN CROP CARE LLP	Thiamethoxam 12.6% +Lambda-Cyhalothrin 9.5% ZC for indigenous manufacture	Satisfactory
409.	486709-F/9(4)2026	9(4) - F	IVAAN CROP CARE LLP	QUIZALOFOP ETHYL 10% EC	Satisfactory
410.	486627-F/9(4)2026	9(4) - F	S G BIO TECH	Aluminum Phosphide 56% Powder	Satisfactory
411.	486708-F/9(4)2026	9(4) - F	IVAAN CROP CARE LLP	Pyriproxyfen 10% + Bifenthrin 10% w/w EC for indigenous manufacture	Satisfactory
412.	486580-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Neem Seed Kernel Based EC Containing Azadirachtin- 1% (10000 ppm) min.	Satisfactory
413.	486707-F/9(4)2026	9(4) - F	IVAAN CROP CARE LLP	Metalaxyl 8% + Mancozeb 64% WP	Satisfactory
414.	486577-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Neem Oil Based EC containing Azadirachtin 0.03% (300 PPM) Min.	Satisfactory
415.	486325-F/9(4)2026	9(4) - F	LAXMICHEMICALSPRIVATELIMITED	TEBUCONAZOLE 6.7% + CAPTAN 26.9% W/W SC	Satisfactory
416.	486706-F/9(4)2026	9(4) - F	IVAAN CROP CARE LLP	Emamectin Benzoate 1.9% EC	Satisfactory
417.	486705-F/9(4)2026	9(4) - F	IVAAN CROP CARE LLP	Chlorantraniliprole 18.5% w/w SC	Satisfactory

418.	486373-F/9(4)2026	9(4) - F	SHREEJI INCENSE STICK	Renofluthrin 1.0% w/w Incense Stick	Satisfactory
419.	486704-F/9(4)2026	9(4) - F	IVAAN CROP CARE LLP	AZOXYSTROBIN 4.8% w/w + CHLOROTHALONIL 40.0% w/w SC	Satisfactory
420.	486572-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Indoxacarb 14.5% SC	Satisfactory
421.	486570-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Glyphosate Ammonium Salt 20% SL w/w	Satisfactory
422.	486569-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Glyphosate 41% S.L.	Satisfactory
423.	486565-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Fenvalerate 20% E.C.	Satisfactory
424.	486564-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Ethion 50% EC	Satisfactory
425.	486639-F/9(4)2026	9(4) - F	S G BIO TECH	Chlormequat Chloride 50% Sol.	Satisfactory
426.	486563-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Ethion 40% + Cypermethrin 5% EC	Satisfactory
427.	486702-F/9(4)2026	9(4) - F	IVAAN CROP CARE LLP	ABAMECTIN 1.9% EC	Satisfactory
428.	486641-F/9(4)2026	9(4) - F	TEJAA TECHNO INDUSTRIES	Transfluthrin 1.6%w/w LV	Satisfactory
429.	486642-F/9(4)2026	9(4) - F	LAXMICHEMICALSPRIVATELIMITED	Mancozeb 35% SC	Satisfactory
430.	486643-F/9(4)2026	9(4) - F	PAIKRAMA PESTICIDES PRIVATE LIMITED	DIAFENTHIURON 47% + BIFENTHRIN 9.4% SC	Satisfactory
431.	486644-F/9(4)2026	9(4) - F	LAXMICHEMICALSPRIVATELIMITED	Metalaxyl 35% W.S.	Satisfactory
432.	486645-F/9(4)2026	9(4) - F	PAIKRAMA PESTICIDES PRIVATE LIMITED	DINOTEFURAN 20% W/W SG	Satisfactory
433.	486646-F/9(4)2026	9(4) - F	PAIKRAMA PESTICIDES PRIVATE LIMITED	Tolfenpyrad 15% +Bifenthrin 7.5 % SE	Satisfactory
434.	486648-F/9(4)2026	9(4) - F	S G BIO TECH	Copper Sulphate 47.15% + Mancozeb 30% WDG for indigenous manufacture	Satisfactory
435.	486649-F/9(4)2026	9(4) - F	S G BIO TECH	Fenoxaprop-p-ethyl 10% E.C.	Satisfactory
436.	486650-F/9(4)2026	9(4) - F	S G BIO TECH	Fipronil 0.3% G.R.	Satisfactory
437.	486651-F/9(4)2026	9(4) - F	S G BIO TECH	Gibberellic acid 0.186% S.P	Satisfactory
438.	486653-F/9(4)2026	9(4) - F	S G BIO TECH	Haloxypop R Methyl 10.5% EC	Satisfactory
439.	486654-F/9(4)2026	9(4) - F	S G BIO TECH	Kasugamycin 6% + Thifluzamide 26% SC	Satisfactory
440.	486655-F/9(4)2026	9(4) - F	S G BIO TECH	Metiram 55% + Pyraclostrobin 5% WG	Satisfactory
441.	486657-F/9(4)2026	9(4) - F	S G BIO TECH	Pendimethalin 30% + Imazethapyr 2% EC	Satisfactory
442.	486658-F/9(4)2026	9(4) - F	M/S GOEL CHEMICALS	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
443.	486659-F/9(4)2026	9(4) - F	S G BIO TECH	Picoxystrobin 7.05% + Propiconazole 11.71% SC for indigenous manufacture	Satisfactory
444.	486660-F/9(4)2026	9(4) - F	S G BIO TECH	Spinetoram11.7% SC	Satisfactory
445.	486661-F/9(4)2026	9(4) - F	S G BIO TECH	Tebuconazole 5.4% w/w FS	Satisfactory
446.	486662-F/9(4)2026	9(4) - F	S G BIO TECH	Tembotrione 9% + Atrazine 45% WG	Satisfactory
447.	486663-F/9(4)2026	9(4) - F	S G BIO TECH	Thiocyclam Hydrogen Oxalate 3.0% + Clothianidin 1.2% GR	Satisfactory
448.	486664-F/9(4)2026	9(4) - F	S G BIO TECH	Zinc Phosphide 80% W/W	Satisfactory

449.	486514-F/9(4)2026	9(4) - F	Tulipcrop Science Private Limited	Fenoxaprop-p-ethyl 6.7% w/w EC for indigenous manufacture	Satisfactory
450.	486602-F/9(4)2026	9(4) - F	ERACONE SULPHUR LLP	Sulphur 80% WDG	Satisfactory
451.	486703-F/9(4)2026	9(4) - F	IVAAN CROP CARE LLP	Azoxystrobin 11% + Tebuconazole 18.3% w/w SC	Satisfactory
452.	486713-F/9(4)2026	9(4) - F	TEJAA TECHNO INDUSTRIES	Prallethrin 1.6% liquid vapouriser	Satisfactory
453.	486694-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Thiophanate Methyl 41.7% SC	Satisfactory
454.	486474-F/9(4)2026	9(4) - F	SUPER CROP SAFE LTD	QUIZALOFOP ETHYL 7.5% + IMAZETHAPYR 15 % EC	Satisfactory
455.	486670-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Azoxystrobin 20% + Thifluzamide 15% w/v SC	Satisfactory
456.	486687-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Tembotrione 34.4% w/w SC	Satisfactory
457.	486672-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Chlorantraniliprole 0.64% + Tebuconazole 3% + Clothianidin 1.92% GR	Satisfactory
458.	486673-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Chlorantraniliprole 0.53% + Fipronil 0.8% GR	Satisfactory
459.	486315-F/9(4)2026	9(4) - F	ERA FORMULATION	Fipronil 0.3% G.R.	Satisfactory
460.	486685-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Mancozeb 50 % + Thiophanate methyl 25% WG	Satisfactory
461.	486683-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Ethiprole 10.7% + Pymetrozine 40% WG	Satisfactory
462.	486716-F/9(4)2026	9(4) - F	TEJAA TECHNO INDUSTRIES	Prallethrin 2.4%w/w Liquid Vaporiser(90 nights use)	Satisfactory
463.	486677-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Chlorantraniliprole 47.85% SC	Satisfactory
464.	486681-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Ethion 50% EC	Satisfactory
465.	486679-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Dinotefuran 5% + Ethion 50% EC	Satisfactory
466.	486623-F/9(4)2026	9(4) - F	ERA FORMULATION	Acetamiprid 25% + Bifenthrin 25% WG	Satisfactory
467.	486567-F/9(4)2026	9(4) - F	NIMO AGRI PRIVATE LIMITED	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
468.	486741-F/9(4)2026	9(4) - F	RICH CROP CHEMICALS	Pretilachlor 37% w/w EW	Satisfactory
469.	486720-F/9(4)2026	9(4) - F	FIL INDUSTRIES PRIVATE LIMITED	Chlorantraniliprole 0.53% + Fipronil 0.8% GR	Satisfactory
470.	486317-F/9(4)2026	9(4) - F	ERA FORMULATION	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
471.	486742-F/9(4)2026	9(4) - F	NACL Industries Limited	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
472.	486541-F/9(4)2026	9(4) - F	VITAL CROP SCIENCE PVT. LTD	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
473.	486695-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Validamycin 5% + Tebuconazole 15% SC	Satisfactory
474.	486806-F/9(4)2026	9(4) - F	Charbhuj Agrochem Pvt.Ltd.	THIAMETHOXAM 1.0% + CHLORANTRANILIPROLE 0.5% GR	Satisfactory
475.	486775-F/9(4)2026	9(4) - F	S L Agarbatti Company	Transfluthrin 1.2% LV	Satisfactory
476.	486774-F/9(4)2026	9(4) - F	S L Agarbatti Company	Transfluthrin 0.15% Mosquito Coil	Satisfactory
477.	486409-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Acephate 95% SG (w/w)	Satisfactory
478.	486410-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Acetamiprid 20% SP	Satisfactory

479.	486411-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
480.	486803-F/9(4)2026	9(4) - F	Charbhuj Agrochem Pvt.Ltd.	Chlorantraniliprole 18.5% w/w SC	Satisfactory
481.	486804-F/9(4)2026	9(4) - F	Charbhuj Agrochem Pvt.Ltd.	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
482.	486805-F/9(4)2026	9(4) - F	Charbhuj Agrochem Pvt.Ltd.	Novaluron 5.25% + Indoxacarb 4.5% w/w SC	Satisfactory
483.	486787-F/9(4)2026	9(4) - F	HOLYSTIC SUSTAINABLE (INDIA) PVT LTD	Pyrazosulfuron ethyl 10% WP	Satisfactory
484.	486786-F/9(4)2026	9(4) - F	HOLYSTIC SUSTAINABLE (INDIA) PVT LTD	Flonicamid 50% WG	Satisfactory
485.	486784-F/9(4)2026	9(4) - F	HOLYSTIC SUSTAINABLE (INDIA) PVT LTD	Emamectin Benzoate 1.9% EC	Satisfactory
486.	486335-F/9(4)2026	9(4) - F	Bhagiradha Chemicals & Industries Ltd.,	Topramezone 336 g/l (w/v) SC	Satisfactory
487.	486423-F/9(4)2026	9(4) - F	GUIN AGRI SOLUTIONS PRIVATE LIMITED	Thifluzamide 24 % SC	Satisfactory
488.	486674-F/9(4)2026	9(4) - F	Volgo Crop Science Private Limited	Chlorantraniliprole 9.3% + Lambda cyhalothrin 4.6% ZC	Satisfactory
489.	486763-F/9(4)2026	9(4) - F	S L Agarbatti Company	Renofluthrin 1.0% w/w Incense Stick	Satisfactory
490.	486583-F/9(4)2026	9(4) - F	MAHAMAYA LIFESCIENCES LTD.	CYANTRANILIPROLE 19.8% + THIAMETHOXAM 19.8% FS	Satisfactory
491.	486328-F/9(4)2026	9(4) - F	Bhagiradha Chemicals & Industries Ltd.,	Ethiprole 40% + Imidacloprid 40% WG	Satisfactory
492.	486332-F/9(4)2026	9(4) - F	Bhagiradha Chemicals & Industries Ltd.,	Ethiprole 10.7% + Pymetrozine 40% WG	Satisfactory
493.	486333-F/9(4)2026	9(4) - F	Bhagiradha Chemicals & Industries Ltd.,	Picoxystrobin 22.52% SC for indigenous manufacture	Satisfactory
494.	486334-F/9(4)2026	9(4) - F	Bhagiradha Chemicals & Industries Ltd.,	Spiromesifen 22.9% SC	Satisfactory
495.	486813-F/9(4)2026	9(4) - F	Dhanesha Crop Science Pvt Ltd	Bifenthrin 8% + Clothianidin 10% SC	Satisfactory
496.	486842-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Cypermethrin 3% + Quinalphos 20% EC	Satisfactory
497.	486833-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Chlorpyrifos 50% + Cypermethrin 5% EC	Satisfactory
498.	486869-F/9(4)2026	9(4) - F	Dharmaj Crop Guard Limited	Lambda cyhalothrin 9.7% CS	Satisfactory
499.	486849-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Flonicamid 18% + Spirotetramat 13.5% SC	Satisfactory
500.	486834-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Chromafenozide 80% WP	Satisfactory
501.	486848-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Fenoxaprop-p-ethyl 9.3% EC	Satisfactory
502.	486835-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Cyantraniliprole 10% + Pymetrozine 50% WG	Satisfactory
503.	486821-F/9(4)2026	9(4) - F	Jeevnam Eco-Friendly Private Limited	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
504.	486836-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Cyantraniliprole 16.9% + Lufenuron 16.9% SC	Satisfactory
505.	486847-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Fenoxanil 5% + Isoprothiolane 30% EC	Satisfactory
506.	486722-F/9(4)2026	9(4) - F	Rameides CropScience Pvt. Ltd.	Pyroxasulfone 85% WG	Satisfactory
507.	485881-F/9(4)2026	9(4) - F	MBF India Private Limited	Topramezone 10 g/l + Atrazine 300 g/l SC	Satisfactory
508.	486852-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Flufenzin 20 % SC	Satisfactory
509.	486839-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Cyflumetofen 20% SC	Satisfactory
510.	486854-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Fluopyram 34.48 % w/w SC	Satisfactory
511.	486841-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Cypermethrin 10% E.C.	Satisfactory

512.	485298-F/9(4)2026	9(4) - F	Kyota Agrochemicals Private Limited	Pyriproxyfen 10% EC	Satisfactory
513.	486843-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Ethiprole 40% + Imidacloprid 40% WG	Satisfactory
514.	486844-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Fenazaquin 10% + Bifenthrin 4% EC	Satisfactory
515.	486846-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Fenmezoditiaz 200 g/l SC	Satisfactory
516.	486832-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Chlorothalonil 75% WP	Satisfactory
517.	486831-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Chlorfenapyr 240 g/l SC	Satisfactory
518.	486739-F/9(4)2026	9(4) - F	Ramcides CropScience Pvt. Ltd.	PACLOBUTRAZOLE 40% SC	Satisfactory
519.	486735-F/9(4)2026	9(4) - F	Ramcides CropScience Pvt. Ltd.	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
520.	486858-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Fluxapyroxad 62.5 g/l + Epoxiconazole 62.5 g/l EC	Satisfactory
521.	486840-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Cymoxanil 50% WP for indigenous manufacture	Satisfactory
522.	486829-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Broflanilide 300g/l SC	Satisfactory
523.	486856-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Fluxametamide 5.81% + Bifenthrin 5.81 % EC	Satisfactory
524.	486845-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	FENAZAQUIN 18.3% SC	Satisfactory
525.	486830-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Chlorantraniliprole 15.75% + Clothianidin 26.25% SC	Satisfactory
526.	486853-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	FLUOPICOLIDE 5.56% + PROPAMOCARB HYDROCHLORIDE 55.6% SC	Satisfactory
527.	486857-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Fluxapyroxad 250 g/l + pyraclostrobin 250 g/l SC	Satisfactory
528.	486838-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Cyclaniliprole 9.3% w/w DC (Cyclaniliprole 10.0% w/v DC)	Satisfactory
529.	486850-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Flubendiamide 19.92% + Thiacloprid 19.92% w/w SC for indigenous manufacture	Satisfactory
530.	486533-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Chlorpyrifos 50% E.C.	Satisfactory
531.	486837-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Cyantraniliprole 18.41% SC	Satisfactory
532.	486851-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Flufenoxuron 10 % DC	Satisfactory
533.	486855-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Flupyrimin 10% SC	Satisfactory
534.	486954-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Methoxyfenozide 20% + Chlorantraniliprole 5% SC	Satisfactory
535.	484850-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Acephate 50% + Bifenthrin 10% WDG	Satisfactory
536.	484188-F/9(4)2026	9(4) - F	Kohinoor Insecticide Industry	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
537.	484187-F/9(4)2026	9(4) - F	Kohinoor Insecticide Industry	Chlorantraniliprole 47.85% SC	Satisfactory
538.	486952-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Metalaxyl M 31.8% ES	Satisfactory
539.	486949-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Lambda cyhalothrin 5% EC.	Satisfactory
540.	486947-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Kresoxim-Methyl 44.3% w/w (500 g/l) SC	Satisfactory
541.	486945-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Kasugamycin 6% + Thifluzamide 26% SC	Satisfactory
542.	486897-F/9(4)2026	9(4) - F	AHLAWAT AGRO CHEMICAL	THIAMETHOXAM 1.0% + CHLORANTRANILIPROLE 0.5% GR	Satisfactory
543.	486895-F/9(4)2026	9(4) - F	AHLAWAT AGRO CHEMICAL	Fipronil 0.3% G.R.	Satisfactory

544.	486894-F/9(4)2026	9(4) - F	AHLAWAT AGRO CHEMICAL	Fipronil 0.6% w/w GR	Satisfactory
545.	486891-F/9(4)2026	9(4) - F	AHLAWAT AGRO CHEMICAL	Ammonium Salt of Glyphosate 71% SG	Satisfactory
546.	486887-F/9(4)2026	9(4) - F	AHLAWAT AGRO CHEMICAL	Glyphosate 41% S.L.	Satisfactory
547.	486445-F/9(4)2026	9(4) - F	VRUSHABH CROP INDUSTRY	Topramezone 336 g/l (w/v) SC	Satisfactory
548.	486447-F/9(4)2026	9(4) - F	VRUSHABH CROP INDUSTRY	Pretilachlor 50% E.C.	Satisfactory
549.	486448-F/9(4)2026	9(4) - F	VRUSHABH CROP INDUSTRY	Pendimethalin 30 % EC	Satisfactory
550.	486860-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	HEXACONAZOLE 5% + VALIDAMYCIN 2.5% SC	Satisfactory
551.	486450-F/9(4)2026	9(4) - F	VRUSHABH CROP INDUSTRY	Paraquat Dichloride 24% SL	Satisfactory
552.	486451-F/9(4)2026	9(4) - F	VRUSHABH CROP INDUSTRY	Metsulfuron methyl 20% WP	Satisfactory
553.	486452-F/9(4)2026	9(4) - F	VRUSHABH CROP INDUSTRY	Metribuzin 70% W.P.	Satisfactory
554.	486454-F/9(4)2026	9(4) - F	VRUSHABH CROP INDUSTRY	Imazethapyr 10 % SL	Satisfactory
555.	486455-F/9(4)2026	9(4) - F	VRUSHABH CROP INDUSTRY	Atrazine 50% W.P.	Satisfactory
556.	486859-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
557.	486666-F/9(4)2026	9(4) - F	Bijoy Green LLP	Pyroxasulfone 85% WG	Satisfactory
558.	486667-F/9(4)2026	9(4) - F	Bijoy Green LLP	Chlorantraniliprole 18.5% w/w SC	Satisfactory
559.	486957-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Pinoxaden 5.1% EC for indigenous manufacture	Satisfactory
560.	486956-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Metiram 44% + Dimethomorph 9% WG	Satisfactory
561.	485534-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Metalaxyl-M 4% + Mancozeb 64% WP	Satisfactory
562.	485532-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Picoxystrobin 6.78% w/w +Tricyclazole 20.33% w/w SC	Satisfactory
563.	485531-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	FLUOPYRAM 17.7 % + TEBUCONAZOLE 17.7 % SC	Satisfactory
564.	485530-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Fluxametamide 5.81% + Bifenthrin 5.81 % EC	Satisfactory
565.	485529-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Kresoxim-methyl 15% + Chlorothalonil 56% WG	Satisfactory
566.	485528-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	QUIZALOFOP ETHYL 7.5% + IMAZETHAPYR 15 % EC	Satisfactory
567.	485527-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	SPIROTETRAMAT 15.31% OD	Satisfactory
568.	485526-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	THIAMETHOXAM 1.0% + CHLORANTRANILIPROLE 0.5% GR	Satisfactory
569.	485523-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	PACLOBUTRAZOLE 40% SC	Satisfactory
570.	485522-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Pretilachlor 6.0% + Pyrazosulfuron Ethyl 0.15% GR for indigenous manufacture	Satisfactory
571.	485521-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Paclobutrazole 23% SC	Satisfactory
572.	485520-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Oxadiazyl 80% W.P	Satisfactory
573.	485518-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Mancozeb 50 % + Thiophanate methyl 25% WG	Satisfactory
574.	485517-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Triacantanol EC 0.05% Min.	Satisfactory
575.	486630-F/9(4)2026	9(4) - F	PEPTECH BIOSCIENCES LIMITED	Nitenpyram 25% SP	Satisfactory

576.	481509-F/9(4)2026	9(4) - F	Arcon Crop Science (I) Pvt.Ltd.	Metalaxyl-M 3.3% + Chlorothalonil 33.1% SC	Satisfactory
577.	481694-F/9(4)2026	9(4) - F	TENSAI AGRISCIENCE PRIVATE LIMITED	Chlorantraniliprole 18.5% w/w SC	Satisfactory
578.	486943-F/9(4)2026	9(4) - F	SEVRIN CHEMICALS PVT. LTD.	Chlorantraniliprole 6.5%+ Lufenuron 5% + Emamectin benzoate 2% SC	Satisfactory
579.	485502-F/9(4)2026	9(4) - F	Pestimade Gujarat	SODIUM PARA-NITRO PHENOLATE 0.3 % SL	Satisfactory
580.	486958-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Pretilachlor-30.7% EC	Satisfactory
581.	485959-F/9(4)2026	9(4) - F	IDHYAH AGRI CROP SCIENCES PRIVATE LIMITED	Lufenuron 5.4% EC	Satisfactory
582.	487002-F/9(4)2026	9(4) - F	Bharti Crop Science	PACLOBUTRAZOLE 40% SC	Satisfactory
583.	485588-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Azoxystrobin 8.3% + Mancozeb 66.7% WG for indigenous manufacture	Satisfactory
584.	485587-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Bensulfuron Methyl 0.6 % + Pretilachlor 6 % GR (Ready mix)	Satisfactory
585.	485586-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	BISPYRIBAC SODIUM 20% + PYRAZOSULFURON ETHYL 15% WDG	Satisfactory
586.	485585-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Bispyribac sodium 38% + Chlorimuron Ethyl 2.5% + Metsulfuron Methyl 2.5% WG	Satisfactory
587.	485583-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	CHLORANTRANILIPROLE 4.3% w/w + ABAMECTIN 1.7% w/w SC	Satisfactory
588.	485582-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Cartap hydrochloride 7.5% + Emamectin benzoate 0.25% GR	Satisfactory
589.	485581-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
590.	485580-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	AZOXYSTROBIN 4.8% w/w + CHLOROTHALONIL 40.0% w/w SC	Satisfactory
591.	485578-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Clodinafop Propargyl 15% + Metsulfuron Methyl 1% WP	Satisfactory
592.	485573-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	DODINE 40% SC	Satisfactory
593.	485570-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	EMAMECTIN BENZOATE 3.0% + THIAMETHOXAM 12.0% WG	Satisfactory
594.	485569-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Ethiprole 10.7% + Pymetrozine 40% WG	Satisfactory
595.	485566-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Ethiprole 40% + Imidacloprid 40% WG	Satisfactory
596.	485564-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Fenazaquin 10% + Bifenthrin 4% EC	Satisfactory
597.	485561-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	FENAZAQUIN 18.3% SC	Satisfactory
598.	485559-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Fenxaprop-p-ethyl 7.77% + Metribuzin 13.6% w/w EC	Satisfactory
599.	485557-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Fenoxanil 5% + Isoprothiolane 30% EC	Satisfactory
600.	485556-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Coumatetralyl 0.75 %TP	Satisfactory
601.	485554-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Dinotefuran 5% + Ethion 50% EC	Satisfactory
602.	485553-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	CYANTRANILIPROLE 19.8% + THIAMETHOXAM 19.8% FS	Satisfactory

603.	485550-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Cyantraniliprole 7.3%w/w + Difenthiuron 36.4%w/w SC (Cyantraniliprole 8% w/v + Difenthiuron 40%w/v SC) (Cyantraniliprole 80 g/L + Difenthiuron 400 g/L-480 SC)	Satisfactory
604.	485549-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Cyclaniliprole 9.3% w/w DC (Cyclaniliprole 10.0% w/v DC)	Satisfactory
605.	485548-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Cyhalofop Butyl 10 % EC	Satisfactory
606.	485547-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	FIPRONIL 7% + HEXITHIAZOX 2% SC	Satisfactory
607.	485545-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	PENOXSULAM 2.67% w/w OD	Satisfactory
608.	485544-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Kresoxim-Methyl 40% + Hexaconazole 8% WG	Satisfactory
609.	485543-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Kresoxim-methyl 18% + Mancozeb 54% WP	Satisfactory
610.	485539-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Triacantanol GR 0.05% Min.	Satisfactory
611.	485538-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Flupyrimin 10% SC	Satisfactory
612.	485537-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	GIBBERELIC ACID 40% WSG	Satisfactory
613.	485536-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Gibberellic Acid 0.001% L	Satisfactory
614.	485535-F/9(4)2026	9(4) - F	Green Agrevolution Private Limited	Propaquizafop 2.5% + Imazethapyr 3.75% ME	Satisfactory
615.	486624-F/9(4)2026	9(4) - F	IDHYAH AGRI CROP SCIENCES PRIVATE LIMITED	Chlorantraniliprole 6.5%+ Lufenuron 5% + Emamectin benzoate 2% SC	Satisfactory
616.	485235-F/9(4)2026	9(4) - F	Arcon Crop Science (I) Pvt.Ltd.	PACLOBUTRAZOLE 40% SC	Satisfactory
617.	486245-F/9(4)2026	9(4) - F	Crop Master Private Limited	Tolfenpyrad 15% +Bifenthrin 7.5 % SE	Satisfactory
618.	486876-F/9(4)2026	9(4) - F	Mitsumi Agri Science Private Limited	Tolfenpyrad 15%EC	Satisfactory
619.	486640-F/9(4)2026	9(4) - F	IDHYAH AGRI CROP SCIENCES PRIVATE LIMITED	Nitenpyram 25% SP	Satisfactory
620.	481510-F/9(4)2026	9(4) - F	Arcon Crop Science (I) Pvt.Ltd.	DIAFENTHIURON 47% + BIFENTHRIN 9.4% SC	Satisfactory
621.	487063-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	Transfluthrin 20%ww MV Gel (30 days Gel Mat Tray)	Satisfactory
622.	487071-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	Renofluthrin 1.5% LV	Satisfactory
623.	487069-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	Renofluthrin 1.0% w/w Incense Stick	Satisfactory
624.	487036-F/9(4)2026	9(4) - F	Chemtech Agro Care Pvt. Ltd.	Topramezone 336 g/l (w/v) SC	Satisfactory
625.	486900-F/9(4)2026	9(4) - F	ASIAN AGRI CHEMICALS PRIVATE LIMITED	Tolfenpyrad 15%EC	Satisfactory
626.	487059-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	Transfluthrin 1.6%w/w LV	Satisfactory
627.	487067-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	Allethrin 3.6% Liquid	Satisfactory
628.	487065-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	TRANSFLUTHRIN 0.08% Aerosol	Satisfactory
629.	487058-F/9(4)2026	9(4) - F	SRG AGRO INDUSTRIES	Metiram 55% + Pyraclostrobin 5% WG	Satisfactory
630.	487057-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	Transfluthrin 12% AE for indigenous manufacture	Satisfactory
631.	487044-F/9(4)2026	9(4) - F	Agrico Organics Limited	Fluxametamide 5.81% + Bifenthrin 5.81 % EC	Satisfactory
632.	487062-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	Transfluthrin 1% FU	Satisfactory

633.	487078-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	Prallethrin 0.05% Mosquito Coil (Min. 11 hrs.)	Satisfactory
634.	487068-F/9(4)2026	9(4) - F	S S AGROGENETICS AND FERTILIZERS PRIVATE LIMITED	Paraquat Dichloride 24% SL	Satisfactory
635.	487066-F/9(4)2026	9(4) - F	S S AGROGENETICS AND FERTILIZERS PRIVATE LIMITED	Pretilachlor 37% w/w EW	Satisfactory
636.	487050-F/9(4)2026	9(4) - F	SRG AGRO INDUSTRIES	Chlorantraniliprole 6.5%+ Lufenuron 5% + Emamectin benzoate 2% SC	Satisfactory
637.	486566-F/9(4)2026	9(4) - F	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Chromafenozide 80% WP	Satisfactory
638.	487153-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Profenophos 50% EC	Satisfactory
639.	486568-F/9(4)2026	9(4) - F	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Thiacloprid 21.7% SC	Satisfactory
640.	487152-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Fipronil 40% + Imidacloprid 40% WG	Satisfactory
641.	487150-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Lambda-cyhalothrin 4.9% Capsule Suspension	Satisfactory
642.	487125-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	METOFLUTHRIN 0.32% w/w LIQUID VAPORIZER	Satisfactory
643.	487124-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Deltamethrin 11% w/w EC	Satisfactory
644.	487148-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Novaluron 10% EC	Satisfactory
645.	486944-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Kasugamycin 5% + Copper Oxychloride 45% WP	Satisfactory
646.	487123-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Bifenthrin 10% EC w/w	Satisfactory
647.	487161-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
648.	487122-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
649.	487120-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	Metofluthrin 0.14% w/w Aerosol	Satisfactory
650.	487159-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Metsulfuron Methyl 10% w/w + Chlorimuron Ethyl 10% WP	Satisfactory
651.	487112-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	2,4-D amine salt 58% S.L.	Satisfactory
652.	487102-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Tricyclazole 75% W.P.	Satisfactory
653.	486732-F/9(4)2026	9(4) - F	RISHI HERBALS	Renofluthrin 1.0% w/w Incense Stick	Satisfactory
654.	487101-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Tolfenpyrad 15% +Bifenthrin 7.5 % SE	Satisfactory
655.	487100-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Thiamethoxam 12.6% +Lambda-Cyhalothrin 9.5% ZC for indigenous manufacture	Satisfactory
656.	487099-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Spiromesifen 22.9% SC	Satisfactory
657.	487098-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Profenophos 50% EC	Satisfactory
658.	487097-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	PROFENOFOS 40% + FENPYROXIMATE 2.5% EC	Satisfactory
659.	487096-F/9(4)2026	9(4) - F	SUMAN CHEMICAL INDUSTRIES	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
660.	486747-F/9(4)2026	9(4) - F	YASHNEE AGROCHEMICALS INDIA PRIVATE LIMITED	Metalaxyl 8% + Mancozeb 64% WP	Satisfactory
661.	486482-F/9(4)2026	9(4) - F	Mahindra Summit Agri Science Limited	Ametryn 80% WG	Satisfactory

662.	487157-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Thiamethoxam 12.6% +Lambda-Cyhalothrin 9.5% ZC for indigenous manufacture	Satisfactory
663.	487127-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Propiconazole 25% E.C	Satisfactory
664.	487126-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Propargite 57% EC	Satisfactory
665.	487156-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Tebuconazole 25.9% E.C.	Satisfactory
666.	487155-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	PYMETROZINE 50% WG	Satisfactory
667.	487160-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Acephate 50% +Imidacloprid 1.8% SP	Satisfactory
668.	487052-F/9(4)2026	9(4) - F	SRG AGRO INDUSTRIES	Dimethomorph 12% + Pyraclostrobin 6.7% WG	Satisfactory
669.	487129-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	CYFLUTHRIN 0.025% + TRANSFLUTHRIN 0.04% (WATER BASED AEROSOL)	Satisfactory
670.	487128-F/9(4)2026	9(4) - F	RICH CROP CHEMICALS	Lambdacyhalothrin 10% WP	Satisfactory
671.	487061-F/9(4)2026	9(4) - F	S S AGROGENETICS AND FERTILIZERS PRIVATE LIMITED	FIPRONIL 0.6% WG	Satisfactory
672.	487118-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	METOFLUTHRIN 0.005% MOSQUITO COIL (MIN. 12 HRS.)	Satisfactory
673.	487158-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Validamycin 3% L	Satisfactory
674.	487116-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Dimethoate 30% E.C	Satisfactory
675.	487115-F/9(4)2026	9(4) - F	THE SCIENTIFIC FERTILISER COMPANY PRIVATE LIMITED	Atrazine 50% W.P.	Satisfactory
676.	487114-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Carbendazim 12% + Mancozeb 63% WP	Satisfactory
677.	487113-F/9(4)2026	9(4) - F	DIVINE FMCG PRIVATE LIMITED	Metofluthrin 0.005% Mosquito Coil (Household Insecticide) (Min. burning time 7 hours) for indigenous manufacture	Satisfactory
678.	487111-F/9(4)2026	9(4) - F	MERCO ENERGY SOLUTIONS PRIVATE LIMITED	Thiamethoxam 25% WG	Satisfactory
679.	487017-F/9(4)2026	9(4) - F	PEPTECH BIOSCIENCES LIMITED	Quinalphos 25% EC	Satisfactory
680.	487024-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Fenpyroximate 5% EC	Satisfactory
681.	487082-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Deltamethrin 1.25 % ULV	Satisfactory
682.	487026-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Chlorfenapyr 240 g/l SC	Satisfactory
683.	476700-F/9(4)2025	9(4) - F	Navratna Crop Sciences	Bromadiolone 0.005% R.B.	Satisfactory
684.	487037-F/9(4)2026	9(4) - F	Meghmani Industries Limited	THIOPHANATE METHYL 450 g/l + PYRACLOSTROBIN 50 g/l (w/v) FS	Satisfactory
685.	485882-F/9(4)2026	9(4) - F	Ichiban Crop Science Limited	Valifenalate 6% + Mancozeb 60% WG	Satisfactory
686.	485883-F/9(4)2026	9(4) - F	Congrats Agropack Pvt. Ltd.	Trifloxystrobin 25% + Hexaconazole 25% WG	Satisfactory
687.	486910-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Nitenpyram 25% SP	Satisfactory
688.	487056-F/9(4)2026	9(4) - F	SRG AGRO INDUSTRIES	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
689.	485884-F/9(4)2026	9(4) - F	Congrats Agropack Pvt. Ltd.	Valifenalate 6% + Mancozeb 60% WG	Satisfactory

690.	485934-F/9(4)2026	9(4) - F	ACRE CHEMICALS PRIVATE LIMITED	Ziram 27% SC	Satisfactory
691.	485610-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Kresoxim-methyl 15% + Chlorothalonil 56% WG	Satisfactory
692.	476834-F/9(4)2025	9(4) - F	SRG AGRO INDUSTRIES	Ethiprole 10.7% + Pymetrozine 40% WG	Satisfactory
693.	482119-F/9(4)2026	9(4) - F	Mass Crop Science Pvt. Ltd.	Diclosulam 84% WG	Satisfactory
694.	484325-F/9(4)2026	9(4) - F	Mass Crop Science Pvt. Ltd.	Propanil 80% DF	Satisfactory
695.	484330-F/9(4)2026	9(4) - F	IPROCHEM AGRICARE PRIVATE LIMITED	Propanil 80% DF	Satisfactory
696.	485131-F/9(4)2026	9(4) - F	Otica Crop Science Private Limited	Pyroxasulfone 85% WG	Satisfactory
697.	485199-F/9(4)2026	9(4) - F	Bharat Agro - Chemicals and Fertilizers	Metalaxyl 8% + Mancozeb 64% WP	Satisfactory
698.	485607-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Fluxapyroxad 250 g/l + pyraclostrobin 250 g/l SC	Satisfactory
699.	485611-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
700.	485612-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Metolachlor 50 % E C	Satisfactory
701.	485613-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Nitrobenzene 20% EW	Satisfactory
702.	485614-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Permethrin - 25% EC	Satisfactory
703.	485616-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Phenthoate 50 % E.C	Satisfactory
704.	485617-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	PROPARGITE 42% + HEXYTHIAZOX 2% EC	Satisfactory
705.	485618-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Pyriproxyfen 8% + Dinotefuran 5% + Diafenthiuron 18% SC	Satisfactory
706.	485619-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Pyriethion sodium 6% + Quizalofop ethyl 4% MEC (Micro Emulsion Concentrate)	Satisfactory
707.	485620-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Tembotrione 9% + Atrazine 45% WG	Satisfactory
708.	485621-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	THIAMETHOXAM 0.9 % + FIPRONIL 0.2% GR	Satisfactory
709.	485622-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Oxadiazon 25% EC	Satisfactory
710.	485623-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
711.	485879-F/9(4)2026	9(4) - F	Ichiban Crop Science Limited	Trifloxystrobin 25% + Hexaconazole 25% WG	Satisfactory
712.	486153-F/9(4)2026	9(4) - F	Surya Home Care Products	Transfluthrin 0.15% Mosquito Coil	Satisfactory
713.	486471-F/9(4)2026	9(4) - F	IPROCHEM AGRICARE PRIVATE LIMITED	Clethodim 25 % w/w (240 g/l) EC	Satisfactory
714.	486902-F/9(4)2026	9(4) - F	Advance Agrolife Limited	METHOXYFENOZIDE 21.8% SC	Satisfactory
715.	486903-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Pyridalyl 10% EC	Satisfactory
716.	487028-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Flupyrimin 10% SC	Satisfactory
717.	487070-F/9(4)2026	9(4) - F	Otica Crop Science Private Limited	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
718.	487072-F/9(4)2026	9(4) - F	Otica Crop Science Private Limited	TRIFLUMEZOPYRIM 10% w/w SC	Satisfactory
719.	487117-F/9(4)2026	9(4) - F	Advance Agrolife Limited	Chlorfenapyr 10% SC	Satisfactory
720.	487164-F/9(4)2026	9(4) - F	Synotech Chemicals	Chlorantraniliprole 6.5%+ Lufenuron 5% + Emamectin benzoate 2% SC	Satisfactory
721.	487169-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Indoxacarb 14.5% + Acetamiprid 7.7% w/w SC	Satisfactory

722.	487170-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Lambda-cyhalothrin 4.9% Capsule Suspension	Satisfactory
723.	487171-F/9(4)2026	9(4) - F	Synotech Chemicals	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
724.	487172-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Emamectin Benzoate 5% SG	Satisfactory
725.	487173-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Ethion 40% + Cypermethrin 5% EC	Satisfactory
726.	487174-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Fenoxaprop-p-ethyl 6.7% w/w EC for indigenous manufacture	Satisfactory
727.	487175-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Cypermethrin 25% E.C.	Satisfactory
728.	487176-F/9(4)2026	9(4) - F	Synotech Chemicals	Topramezone 10 g/l + Atrazine 300 g/l SC	Satisfactory
729.	487181-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	DIAFENTHIURON 47% + BIFENTHRIN 9.4% SC	Satisfactory
730.	487182-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Chlorantraniliprole 9.3% + Lambda-cyhalothrin 4.6% ZC	Satisfactory
731.	487184-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Pretilachlor 6.0% + Pyrazosulfuron Ethyl 0.15% GR for indigenous manufacture	Satisfactory
732.	487186-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Picoxystrobin 6.78% w/w + Tricyclazole 20.33% w/w SC	Satisfactory
733.	487187-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
734.	487189-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Propaquizafop 10% EC	Satisfactory
735.	487190-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	PROFENOFOS 40% + FENPYROXIMATE 2.5% EC	Satisfactory
736.	487191-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Glyphosate 41% S.L.	Satisfactory
737.	487192-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Hexaconazole 4%+ Zineb 68% WP	Satisfactory
738.	487193-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Hexaconazole 5% SC	Satisfactory
739.	487194-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Hexythiazox 3.5% + Diafenthion 42% WDG	Satisfactory
740.	487197-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Thiamethoxam 30% FS	Satisfactory
741.	487198-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Acephate 50% + Imidacloprid 1.8% SP	Satisfactory
742.	487199-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Acetamiprid 20% SP	Satisfactory
743.	487200-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Azoxystrobin 11% + Tebuconazole 18.3% w/w SC	Satisfactory
744.	487201-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
745.	487203-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	AZOXYSTROBIN 16.7 % + TRICYCLAZOLE 33.3% SC	Satisfactory
746.	487204-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
747.	487205-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Bifenthrin 10% EC w/w	Satisfactory
748.	487208-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	ABAMECTIN 1.9% EC	Satisfactory
749.	487209-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Bispyribac sodium 10% w/v SC	Satisfactory
750.	487210-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Neem Seed Kernel Based EC Containing Azadirachtin- 1% (10000 ppm) min.	Satisfactory
751.	487211-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Nitrobenzene 20% EW	Satisfactory

752.	487212-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	NOVALURON 5.25% + EMAMECTIN BENZOATE 0.9% W/W SC	Satisfactory
753.	487214-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Pendimethalin 30 % EC	Satisfactory
754.	487216-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	PENOXSULAM 1.02% + CYHALOFOP-BUTYL 5.1% OD	Satisfactory
755.	487219-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	PROPARGITE 42% + HEXYTHIAZOX 2% EC	Satisfactory
756.	487223-F/9(4)2026	9(4) - F	MAHAMAYA LIFESCIENCES LTD.	Cyflumetofen 20% SC	Satisfactory
757.	487229-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Propiconazole 10.7% + Tricyclazole 34.2% SE	Satisfactory
758.	487232-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Propiconazole 25% E.C	Satisfactory
759.	487234-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Propineb 70% WP	Satisfactory
760.	487235-F/9(4)2026	9(4) - F	MAHAMAYA LIFESCIENCES LTD.	Dimethomorph 12% + Pyraclostrobin 6.7% WG	Satisfactory
761.	487236-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Pymetrozine 30% + Dinotefuran 10% + Pyraclostrobin 20% WG	Satisfactory
762.	487238-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Pyrazosulfuron ethyl 10% WP	Satisfactory
763.	487240-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Fipronil 40% + Imidacloprid 40% WG	Satisfactory
764.	487241-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Fipronil 80% WG	Satisfactory
765.	487252-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Gibberellic Acid 0.001% L	Satisfactory
766.	487253-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
767.	487254-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
768.	487255-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Fenpyroximate 5% EC	Satisfactory
769.	487256-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Fipronil 4% + Acetamiprid 4% SC for indigenous manufacture	Satisfactory
770.	487257-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	FIPRONIL 7% + HEXITHIAZOX 2% SC	Satisfactory
771.	487258-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Fipronil 10% + Diafenthiuron 30% WG	Satisfactory
772.	487259-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Fipronil 15% + Chlorantraniliprole 5% SC	Satisfactory
773.	487260-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Fipronil 15% + Deltamethrin 2.5% SC	Satisfactory
774.	487261-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Dimethoate 20% + Cypermethrin 3 % EC	Satisfactory
775.	487264-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	DIAFENTHIURON 47.8% w/w SC	Satisfactory
776.	487265-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
777.	487266-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Emamectin Benzoate 1.5% + Fipronil 3.5% SC for indigenous manufacture	Satisfactory
778.	487268-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Captan 70%+ Hexaconazole 5% WP	Satisfactory
779.	487270-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Carbendazim 12% + Mancozeb 63% WP	Satisfactory
780.	487271-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	CARBENDAZIM 25% + MANCOZEB 50% WS	Satisfactory
781.	487272-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Cartap Hydrochloride 4% GR	Satisfactory
782.	487273-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Cartap Hydrochloride 50% SP	Satisfactory

783.	487274-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	TRICYCLAZOLE 18.0% + TEBUCONAZOLE 14.4% SC	Satisfactory
784.	487275-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Chlorantraniliprole 47.85% SC	Satisfactory
785.	487276-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Chlorfenapyr 10% Sc	Satisfactory
786.	487278-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Chlorfenapyr 240 g/l SC	Satisfactory
787.	487279-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Chlorpyrifos 50% + Cypermethrin 5% EC	Satisfactory
788.	487281-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Chlorpyrifos 50% E.C.	Satisfactory
789.	487282-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Cartap Hydrochloride 75% SG	Satisfactory
790.	487284-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Buprofenzin 15% + Acephate 35% WP for indigenous manufacture	Satisfactory
791.	487285-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	CYANTRANILIPROLE 19.8% + THIAMETHOXAM 19.8% FS	Satisfactory
792.	487288-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Flonicamid 20% + Fipronil 8% SC	Satisfactory
793.	487290-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Kresoxim-methyl 15% + Chlorothalonil 56% WG	Satisfactory
794.	487293-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Kresoxim-methyl 18% + Mancozeb 54% WP	Satisfactory
795.	487296-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Pendimethalin 30% + Imazethapyr 2% EC	Satisfactory
796.	487300-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Propaquizafop 2.5% + Imazethapyr 3.75% ME	Satisfactory
797.	487302-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Tebuconazole 10% + Sulphur 65% WG	Satisfactory
798.	487303-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Novaluron 5.25% + Indoxacarb 4.5% w/w SC	Satisfactory
799.	487306-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Bifenthrin 8% + Clothianidin 10% SC	Satisfactory
800.	487307-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	HEXA CONAZOLE 5% + VALIDAMYCIN 2.5% SC	Satisfactory
801.	487308-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Deltamethrin 11% w/w EC	Satisfactory
802.	487310-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Imidacloprid 30.5% SC	Satisfactory
803.	487311-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	QUIZALOFOP ETHYL 7.5% + IMAZETHAPYR 15 % EC	Satisfactory
804.	487312-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Tricyclazole 75% W.P.	Satisfactory
805.	487313-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Paraquat Dichloride 24% SL	Satisfactory
806.	487314-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	PACLOBUTRAZOLE 40% SC	Satisfactory
807.	487315-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	SODIUM PARA-NITRO PHENOLATE 0.3 % SL	Satisfactory
808.	487317-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Lambda cyhalothrin 5% EC.	Satisfactory
809.	487318-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Propaquizafop 10% EC	Satisfactory
810.	487319-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Metamifop 10% EC	Satisfactory
811.	487320-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Kresoxim-Methyl 44.3% w/w (500 g/l) SC	Satisfactory
812.	487322-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
813.	487323-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Hexythiazox 5.45% EC	Satisfactory
814.	487324-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Metiram 55% + Pyraclostrobin 5% WG	Satisfactory
815.	487325-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Halosulfuron methyl 75% WG	Satisfactory

816.	487326-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Thiocyclam Hydrogen Oxalate 3.0% + Clothianidin 1.2% GR	Satisfactory
817.	487327-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	FLUOPYRAM 17.7 % + TEBUCONAZOLE 17.7 % SC	Satisfactory
818.	487328-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Thiophanate Methyl 70% WP	Satisfactory
819.	487329-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Flubendiamide 19.92% + Thiacloprid 19.92% w/w SC for indigenous manufacture	Satisfactory
820.	487330-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Tolfenpyrad 15% +Bifenthrin 7.5 % SE	Satisfactory
821.	487331-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Tolfenpyrad 15%EC	Satisfactory
822.	487332-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Ethiprole 10.7% + Pymetrozine 40% WG	Satisfactory
823.	487333-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Triacntanol EW 0.1% MIN.	Satisfactory
824.	487334-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Clothianidin 50 % WG	Satisfactory
825.	487335-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Tricyclazole 18% +Mancozeb 62% WP	Satisfactory
826.	487336-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Bensulfuron Methyl 0.6 % + Pretilachlor 6 % GR (Ready mix)	Satisfactory
827.	487337-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	PYRIPROXYFEN 5% + DIAFENTHIURON 25% SE	Satisfactory
828.	487338-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
829.	487340-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Tembotrione 34.4% w/w SC	Satisfactory
830.	487342-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Tembotrione 9% + Atrazine 45% WG	Satisfactory
831.	487343-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Pyrithiobac sodium 6% + Quizalofop ethyl 4% MEC (Micro Emulsion Concentrate)	Satisfactory
832.	487344-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
833.	487345-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Pyrithiobac- Sodium 10 % EC	Satisfactory
834.	487346-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	PROPARGITE 42% + HEXYTHIAZOX 2% EC	Satisfactory
835.	487347-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	QUIZALOFOP ETHYL 10% EC	Satisfactory
836.	487349-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Spinetoram11.7% SC	Satisfactory
837.	487350-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Spiromesifen 22.9% SC	Satisfactory
838.	487351-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
839.	487352-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Thiacloprid 21.7% SC	Satisfactory
840.	487353-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Thiamethoxam 12.6% +Lambda- Cyhalothrin 9.5% ZC for indigenous manufacture	Satisfactory
841.	487354-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Thiamethoxam 25% WG	Satisfactory
842.	487361-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	FIPRONIL 18.87% W/W SC	Satisfactory
843.	487362-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Chlorothalonil 75% WP	Satisfactory
844.	487363-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	CHLORANTRANILIPROLE 4.3% w/w + ABAMECTIN 1.7% w/w SC	Satisfactory

845.	487366-F/9(4)2026	9(4) - F	Tusova Agro Private Limited	Deltamethrin 11% w/w EC	Satisfactory
846.	487367-F/9(4)2026	9(4) - F	Tusova Agro Private Limited	FOMESAFEN 12% + QUIZALOFOP ETHYL 3% SC	Satisfactory
847.	487368-F/9(4)2026	9(4) - F	Tusova Agro Private Limited	Fomesafen 17.5% + Clodinafop-Propargyl 12.5% ME	Satisfactory
848.	487369-F/9(4)2026	9(4) - F	Tusova Agro Private Limited	Haloxypol R Methyl 10.5% EC	Satisfactory
849.	487370-F/9(4)2026	9(4) - F	Tusova Agro Private Limited	PENOXSULAM 1.02% + CYHALOFOP-BUTYL 5.1% OD	Satisfactory
850.	487371-F/9(4)2026	9(4) - F	Tusova Agro Private Limited	THIOPHANATE METHYL 450 g/l + PYRACLOSTROBIN 50 g/l (w/v) FS	Satisfactory
851.	487389-F/9(4)2026	9(4) - F	AGRISHINE CROP SCIENCES PRIVATE LIMITED	Pyriproxyfen 8% + Dinotefuran 5% + Diafenthiuron 18% SC	Satisfactory
852.	487402-F/9(4)2026	9(4) - F	Hindustan Rasayan Pvt. Ltd.	Saflufenacil 70.0 % WG	Satisfactory
853.	487404-F/9(4)2026	9(4) - F	BR Agrotech Ltd	2,4-D Sodium Salt 48% + Metribuzin 32% + Chlorimuron ethyl 0.85% WDG	Satisfactory
854.	487461-F/9(4)2026	9(4) - F	Tisha Agro Industries LLP	Lufenuron 5.4% EC	Satisfactory
855.	487464-F/9(4)2026	9(4) - F	Tisha Agro Industries LLP	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
856.	487467-F/9(4)2026	9(4) - F	Tisha Agro Industries LLP	Sodium Acifluorfen 16.5% + Clodinafop-Propargyl 8% EC for indigenous manufacture	Satisfactory
857.	487481-F/9(4)2026	9(4) - F	RAM SHREE CHEMICALS	Chlorantraniliprole 0.45% + Fipronil 0.50% + Emamectin Benzoate 0.18% GR	Satisfactory
858.	485598-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Betacyfluthrin 8.49% w/w + Imidacloprid 19.81% w/w OD	Satisfactory
859.	470831-F/9(4)2025	9(4) - F	TRIDEV AGRO SCIENCE	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
860.	486811-F/9(4)2026	9(4) - F	SYNERGY AGROSCIENCE LLP	Flubendiamide 19.92% + Thiacloprid 19.92% w/w SC for indigenous manufacture	Satisfactory
861.	486826-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	SPIROTETRAMAT 15.31% OD	Satisfactory
862.	487357-F/9(4)2026	9(4) - F	BHM Agrizentic Private Limited	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
863.	486547-F/9(4)2026	9(4) - F	AGASTYA AGRO LIMITED	Fomesafen 11.1% + Fluazifop-p-butyl 11.1% SL	Satisfactory
864.	486888-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Tembotrione 9% + Atrazine 45% WG	Satisfactory
865.	486890-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Topramezone 336 g/l (w/v) SC	Satisfactory
866.	486893-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Validamycin 5% + Tebuconazole 15% SC	Satisfactory
867.	487358-F/9(4)2026	9(4) - F	BHM Agrizentic Private Limited	THIAMETHOXAM 1.0% + CHLORANTRANILIPROLE 0.5% GR	Satisfactory
868.	487364-F/9(4)2026	9(4) - F	BHM Agrizentic Private Limited	Topramezone 336 g/l (w/v) SC	Satisfactory
869.	479316-F/9(4)2025	9(4) - F	TRIDEV AGRO SCIENCE	Bispyribac sodium 10% w/v SC	Satisfactory
870.	487409-F/9(4)2026	9(4) - F	Agrow Allied Ventures Private Limited	Mesotrione 40% w/w (48% w/v) SC	Satisfactory

871.	485609-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Hexythiazox 5.45% EC	Satisfactory
872.	485608-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Fomesafen 11.1% + Fluazifop-p-butyl 11.1% SL	Satisfactory
873.	485606-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Fipronil 10% + Diafenthiuron 30% WG	Satisfactory
874.	487439-F/9(4)2026	9(4) - F	SML Limited	Tembotrione 9% + Atrazine 45% WG	Satisfactory
875.	485604-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Fenpyroximate 5% SC	Satisfactory
876.	485603-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Diafenthiuron 30% + Pyriproxyfen 8% SE	Satisfactory
877.	485602-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Copper Sulphate 47.15% + Mancozeb 30% WDG for indigenous manufacture	Satisfactory
878.	485599-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Bispyribac sodium 38% + Chlorimuron Ethyl 2.5% + Metsulfuron Methyl 2.5% WG	Satisfactory
879.	485596-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Acetamiprid 25% + Bifenthrin 25% WG	Satisfactory
880.	487451-F/9(4)2026	9(4) - F	Tisha Agro Industries LLP	AZOXYSTROBIN 4.8% w/w + CHLOROTHALONIL 40.0% w/w SC	Satisfactory
881.	487074-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Chlorantraniliprole 0.64% + Tebuconazole 3% + Clothianidin 1.92% GR	Satisfactory
882.	487455-F/9(4)2026	9(4) - F	PRINCE PRINT N PACK	Transfluthrin 1% FU	Satisfactory
883.	487458-F/9(4)2026	9(4) - F	Tisha Agro Industries LLP	Azoxystrobin 20% + Thifluzamide 15% w/v SC	Satisfactory
884.	486814-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Pyraclostrobin 3.5% + Thiram 15% + Clothianidin 22.5% FS	Satisfactory
885.	486783-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Gibberellic Acid 0.45% SL	Satisfactory
886.	486788-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
887.	486791-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
888.	486795-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Mepiquat Chloride 5 % Aqueous Solution	Satisfactory
889.	486801-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Pymetrozine 30% + Dinotefuran 10% + Pyraclostrobin 20% WG	Satisfactory
890.	485597-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
891.	484669-F/9(4)2026	9(4) - F	TRIDEV AGRO SCIENCE	Chlorantraniliprole 6.5%+ Lufenuron 5% + Emamectin benzoate 2% SC	Satisfactory
892.	487053-F/9(4)2026	9(4) - F	SRG AGRO INDUSTRIES	Fluxametamide 5.81% + Bifenthrin 5.81 % EC	Satisfactory
893.	485600-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	CHLORANTRANILIPROLE 4.3% w/w + ABAMECTIN 1.7% w/w SC	Satisfactory
894.	485605-F/9(4)2026	9(4) - F	Aura Biotechnologies Pvt. Ltd.	Fipronil 0.6% w/w GR	Satisfactory
895.	486937-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Validamycin 5% + Tebuconazole 15% SC	Satisfactory
896.	486936-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Topramezone 336 g/l (w/v) SC	Satisfactory

897.	486934-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Tolfenpyrad 30 % + Pyriproxyfen 10 % + Acetamiprid 4% EC	Satisfactory
898.	486933-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Tembotrione 9% + Atrazine 45% WG	Satisfactory
899.	486932-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	SPIROTETRAMAT 15.31% OD	Satisfactory
900.	486931-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Spiromesifen 15% + Hexythiazox 2.2 % + Abamectin 1.15 % SC	Satisfactory
901.	486930-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Spiromesifen 22.9% SC	Satisfactory
902.	486927-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Spinosad 45% SC	Satisfactory
903.	486925-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Spinosad 2.5 % SC	Satisfactory
904.	486923-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Pyraclostrobin 3.5% + Thiram 15% + Clothianidin 22.5% FS	Satisfactory
905.	486918-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Pymetrozine 30% + Dinotefuran 10% + Pyraclostrobin 20% WG	Satisfactory
906.	486917-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Nitenpyram 25% SP	Satisfactory
907.	486916-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Metiram 70% WG	Satisfactory
908.	486915-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Mepiquat Chloride 5 % Aqueous Solution	Satisfactory
909.	486911-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
910.	486909-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
911.	486898-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Gibberellic Acid 0.1% GR	Satisfactory
912.	486889-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Tolfenpyrad 30 % + Pyriproxyfen 10 % + Acetamiprid 4% EC	Satisfactory
913.	486656-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Azoxystrobin 5.1 % + Tebuconazole 9.1 % + Prochloraz 18.2% EC	Satisfactory
914.	486665-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Bifenazate 22.6% w/w (240 g/l) SC	Satisfactory
915.	486671-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Bispyribac Sodium 9.5% + Penoxsulam 7.8% w/v SC	Satisfactory
916.	486675-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Bispyribac Sodium 0.25% + Penoxsulam 0.25% + Pyrazosulfuron Ethyl 0.20% GR	Satisfactory
917.	486697-F/9(4)2026	9(4) - F	HINDUSTAN PESTICIDES AND CHEMICALS	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
918.	486699-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Carboxin 22.5% + Thiram 22.5% + Imidacloprid 18% WS	Satisfactory
919.	486701-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Chlorantraniliprole 5% DT	Satisfactory
920.	486796-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Metiram 70% WG	Satisfactory
921.	486800-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Nitenpyram 25% SP	Satisfactory
922.	486749-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Chlorantraniliprole 47.85% SC	Satisfactory

923.	486755-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Dinotefuran 70% WG	Satisfactory
924.	486756-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	FLUBENDIAMIDE 20% WG	Satisfactory
925.	486758-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Bifenazate 22.6% w/w (240 g/l) SC	Satisfactory
926.	486760-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Azoxystrobin 5.1 % + Tebuconazole 9.1 % + Prochloraz 18.2% EC	Satisfactory
927.	486762-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Bispyribac Sodium 9.5% + Penoxsulam 7.8% w/v SC	Satisfactory
928.	486766-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Carboxin 22.5% + Thiram 22.5% + Imidacloprid 18% WS	Satisfactory
929.	486767-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Chlorantraniliprole 5% DT	Satisfactory
930.	486769-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Chlorantraniliprole 47.85% SC	Satisfactory
931.	486770-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Chlorantraniliprole 0.64% + Tebuconazole 3% + Clothianidin 1.92% GR	Satisfactory
932.	486771-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Dinotefuran 70% WG	Satisfactory
933.	486772-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	FLUBENDIAMIDE 20% WG	Satisfactory
934.	486825-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Spiromesifen 15% + Hexythiazox 2.2 % + Abamectin 1.15 % SC	Satisfactory
935.	486822-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Spiromesifen 22.9% S.C	Satisfactory
936.	486776-F/9(4)2026	9(4) - F	INNOVATIVE AGRITECH PRIVATE LIMITED	SODIUM PARA-NITRO PHENOLATE 0.3 % SL	Satisfactory
937.	486820-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Spinosad 45% SC	Satisfactory
938.	486817-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Spinosad 2.5 % SC	Satisfactory
939.	486781-F/9(4)2026	9(4) - F	STAR AGRIFARM SOLUTIONS PRIVATE LIMITED	Gibberellic Acid 0.1% GR	Satisfactory
940.	486877-F/9(4)2026	9(4) - F	AYUSHI CROP SCIENCE PVT LTD.	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
941.	478823-F/9(4)2025	9(4) - F	Rich Crop Protection Pvt Ltd	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
942.	482953-F/9(4)2026	9(4) - F	Seven Fold Crop Science Private Limited	Chlorantraniliprole 0.64% + Tebuconazole 3% + Clothianidin 1.92% GR	Satisfactory
943.	478822-F/9(4)2025	9(4) - F	Rich Crop Protection Pvt Ltd	Chlorantraniliprole 0.53% + Fipronil 0.8% GR	Satisfactory
944.	478820-F/9(4)2025	9(4) - F	Rich Crop Protection Pvt Ltd	Broflanilide 300g/l SC	Satisfactory
945.	478809-F/9(4)2025	9(4) - F	Rich Crop Protection Pvt Ltd	Nitenpyram 25% SP	Satisfactory
946.	487562-F/9(4)2026	9(4) - F	Elechem Bio Sciences Pvt Ltd	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
947.	487561-F/9(4)2026	9(4) - F	Elechem Bio Sciences Pvt Ltd	Carbendazim 12% + Mancozeb 63% WP	Satisfactory
948.	487560-F/9(4)2026	9(4) - F	Elechem Bio Sciences Pvt Ltd	CYANTRANILIPROLE 19.8% + THIAMETHOXAM 19.8% FS	Satisfactory

949.	486908-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Gibberellic Acid 0.45% SL	Satisfactory
950.	487559-F/9(4)2026	9(4) - F	Elechem Bio Sciences Pvt Ltd	Butachlor 50% EW	Satisfactory
951.	487558-F/9(4)2026	9(4) - F	Elechem Bio Sciences Pvt Ltd	2,4-D amine salt 58% S.L.	Satisfactory
952.	478805-F/9(4)2025	9(4) - F	Rich Crop Protection Pvt Ltd	Gibberellic Acid 0.1% GR	Satisfactory
953.	478804-F/9(4)2025	9(4) - F	Rich Crop Protection Pvt Ltd	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
954.	478800-F/9(4)2025	9(4) - F	Rich Crop Protection Pvt Ltd	Validamycin 5% + Tebuconazole 15% SC	Satisfactory
955.	486764-F/9(4)2026	9(4) - F	Krishi Vikas Sahakari Samiti Limited	Bispyribac Sodium 0.25% + Penoxsulam 0.25% + Pyrazosulfuron Ethyl 0.20% GR	Satisfactory
956.	482117-F/9(4)2026	9(4) - F	Mass Crop Science Pvt. Ltd.	Chlorantraniliprole 47.85% SC	Satisfactory
957.	487220-F/9(4)2026	9(4) - F	Crop Care Pesticides (India) Pvt. Ltd.	Carfentrazone ethyl 40% DF	Satisfactory
958.	487222-F/9(4)2026	9(4) - F	Crop Care Pesticides (India) Pvt. Ltd.	Dimethomorph 12% + Pyraclostrobin 6.7% WG	Satisfactory
959.	487645-F/9(4)2026	9(4) - F	Agri Science Co.	Spiromesifen 22.9% SC	Satisfactory
960.	486759-F/9(4)2026	9(4) - F	SEVRIN CHEMICALS PVT. LTD.	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
961.	487646-F/9(4)2026	9(4) - F	Agri Science Co.	THIAMETHOXAM 0.9 % + FIPRONIL 0.2% GR	Satisfactory
962.	487647-F/9(4)2026	9(4) - F	Agri Science Co.	Topramezone 336 g/l (w/v) SC	Satisfactory
963.	487653-F/9(4)2026	9(4) - F	Ichiban Crop Science Limited	Chlorantraniliprole 15.75% + Clothianidin 26.25% SC	Satisfactory
964.	486700-F/9(4)2026	9(4) - F	Mizushi India Private Limited	Pyriproxyfen 10% + Bifenthrin 10% w/w EC for indigenous manufacture	Satisfactory
965.	477673-F/9(4)2025	9(4) - F	SEVRIN CHEMICALS PVT. LTD.	PENFLUFEN 13.28% + TRIFLOXYSTROBIN 13.28% FS	Satisfactory
966.	487619-F/9(4)2026	9(4) - F	Agri Science Co.	Clothianidin 50 % WG	Satisfactory
967.	487618-F/9(4)2026	9(4) - F	Agri Science Co.	Chlorantraniliprole 47.85% SC	Satisfactory
968.	487617-F/9(4)2026	9(4) - F	Agri Science Co.	Chlorantraniliprole 0.53% + Fipronil 0.8% GR	Satisfactory
969.	487680-F/9(4)2026	9(4) - F	SHAIL AGRO ORGANIC PRIVATE LIMITED	Zinc Phosphide 80% W/W	Satisfactory
970.	487616-F/9(4)2026	9(4) - F	Agri Science Co.	Carboxin 37.5% + Thiram 37.5% WS	Satisfactory
971.	487615-F/9(4)2026	9(4) - F	Agri Science Co.	Bifenthrin 8% + Clothianidin 10% SC	Satisfactory
972.	487614-F/9(4)2026	9(4) - F	Agri Science Co.	Bifenthrin 10% EC w/w	Satisfactory
973.	487613-F/9(4)2026	9(4) - F	Agri Science Co.	Ametryn 80% WG	Satisfactory
974.	487612-F/9(4)2026	9(4) - F	Agri Science Co.	Acetamiprid 25% + Bifenthrin 25% WG	Satisfactory
975.	487297-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Difenoconazole 25% EC	Satisfactory
976.	487566-F/9(4)2026	9(4) - F	UPL Limited	Imidacloprid 2.15% Gel	Satisfactory
977.	487563-F/9(4)2026	9(4) - F	UPL Limited	Pyriproxyfen 0.5% GR	Satisfactory
978.	487549-F/9(4)2026	9(4) - F	UPL Limited	Clothianidin 50 % WG	Satisfactory
979.	487620-F/9(4)2026	9(4) - F	Agri Science Co.	Copper Oxychloride containing copper contents 50.00% w/w WP	Satisfactory
980.	487621-F/9(4)2026	9(4) - F	Agri Science Co.	Diclosulam 84% WG	Satisfactory

981.	487622-F/9(4)2026	9(4) - F	Agri Science Co.	Dimethomorph 50% WP	Satisfactory
982.	487623-F/9(4)2026	9(4) - F	Agri Science Co.	Fenoxaprop-p-ethyl 9.3% EC	Satisfactory
983.	487624-F/9(4)2026	9(4) - F	Agri Science Co.	FLUBENDIAMIDE 20% WG	Satisfactory
984.	487625-F/9(4)2026	9(4) - F	Agri Science Co.	FOMESAFEN 12% + QUIZALOFOP ETHYL 3% SC	Satisfactory
985.	487626-F/9(4)2026	9(4) - F	Agri Science Co.	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
986.	487627-F/9(4)2026	9(4) - F	Agri Science Co.	Indoxacarb 14.5% + Acetamiprid 7.7% w/w SC	Satisfactory
987.	487446-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	TEBUCONAZOLE 38.39% SC	Satisfactory
988.	487442-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Tebuconazole 25.9% E.C.	Satisfactory
989.	487298-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Flusilazole 40% EC	Satisfactory
990.	487628-F/9(4)2026	9(4) - F	Agri Science Co.	Lufenuron 5.4% EC	Satisfactory
991.	487440-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Mancozeb 75 % WP	Satisfactory
992.	487650-F/9(4)2026	9(4) - F	Ichiban Crop Science Limited	Chlorantraniliprole 0.45% + Fipronil 0.50% + Emamectin Benzoate 0.18% GR	Satisfactory
993.	487629-F/9(4)2026	9(4) - F	Agri Science Co.	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
994.	487301-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Kresoxim-Methyl 44.3% w/w (500 g/l) SC	Satisfactory
995.	487630-F/9(4)2026	9(4) - F	Agri Science Co.	Metiram 70% WG	Satisfactory
996.	487631-F/9(4)2026	9(4) - F	Agri Science Co.	Metolachlor 50 % E C	Satisfactory
997.	487632-F/9(4)2026	9(4) - F	Agri Science Co.	Nitenpyram 25% SP	Satisfactory
998.	487441-F/9(4)2026	9(4) - F	SML Limited	Fonicamid 20% + Fipronil 8% SC	Satisfactory
999.	487669-F/9(4)2026	9(4) - F	Ichiban Crop Science Limited	Mesotrione 40% w/w (48% w/v) SC	Satisfactory
1000.	487633-F/9(4)2026	9(4) - F	Agri Science Co.	Nitrobenzene 20% EW	Satisfactory
1001.	487634-F/9(4)2026	9(4) - F	Agri Science Co.	Novaluron 5.25% + Indoxacarb 4.5% w/w SC	Satisfactory
1002.	487233-F/9(4)2026	9(4) - F	Ratnakar India Limited	Cartap hydrochloride 7.5% + Emamectin benzoate 0.25% GR	Satisfactory
1003.	487635-F/9(4)2026	9(4) - F	Agri Science Co.	Oxyflourfen 23.5% E.C (w/w)	Satisfactory
1004.	487638-F/9(4)2026	9(4) - F	Agri Science Co.	PENOXSULAM 1.02% + CYHALOFOP-BUTYL 5.1% OD	Satisfactory
1005.	487437-F/9(4)2026	9(4) - F	SML Limited	Spiromesifen 15% + Hexythiazox 2.2 % + Abamectin 1.15 % SC	Satisfactory
1006.	487639-F/9(4)2026	9(4) - F	Agri Science Co.	Phenthoate 50 % E.C	Satisfactory
1007.	487239-F/9(4)2026	9(4) - F	Ratnakar India Limited	Imazethapyr 35% + Imazamox 35% WG	Satisfactory
1008.	487383-F/9(4)2026	9(4) - F	Mizushi India Private Limited	TEBUCONAZOLE 38.39% SC	Satisfactory
1009.	487666-F/9(4)2026	9(4) - F	Ichiban Crop Science Limited	Fonicamid 18% + Spirotetramat 13.5% SC	Satisfactory
1010.	487244-F/9(4)2026	9(4) - F	Ratnakar India Limited	Propaquizafop 5% + Oxyfluorfen 12% EC	Satisfactory
1011.	487640-F/9(4)2026	9(4) - F	Agri Science Co.	PROFENOFOS 40% + FENPYROXIMATE 2.5% EC	Satisfactory
1012.	487381-F/9(4)2026	9(4) - F	Mizushi India Private Limited	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory

1013.	487641-F/9(4)2026	9(4) - F	Agri Science Co.	Propaquizafop 10% EC	Satisfactory
1014.	487642-F/9(4)2026	9(4) - F	Agri Science Co.	Propargite 57% EC	Satisfactory
1015.	487648-F/9(4)2026	9(4) - F	Agri Science Co.	Ziram 27% SC	Satisfactory
1016.	487644-F/9(4)2026	9(4) - F	Agri Science Co.	Pyrithiobac- Sodium 10 % EC	Satisfactory
1017.	487663-F/9(4)2026	9(4) - F	Suchang India Private Limited	Lufenuron 5.4% EC	Satisfactory
1018.	487147-F/9(4)2026	9(4) - F	Karnataka Agro Corporation	CARBENDAZIM 25% + MANCOZEB 50% WS	Satisfactory
1019.	487166-F/9(4)2026	9(4) - F	Ratnakar India Limited	Propaquizafop 2.5% + Imazethapyr 3.75% ME	Satisfactory
1020.	487226-F/9(4)2026	9(4) - F	Ratnakar India Limited	Bensulfuron Methyl 0.6 % + Pretilachlor 6 % GR (Ready mix)	Satisfactory
1021.	486070-F/9(4)2026	9(4) - F	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Cyphenothrin 5% EC	Satisfactory
1022.	486072-F/9(4)2026	9(4) - F	CROPSAFE PESTICIDES INDIA PRIVATE LIMITED	Cyfluthrin 10% WP	Satisfactory
1023.	486638-F/9(4)2026	9(4) - F	Saraswati Agro Chemicals (India) Private Limited	Chlorpyrifos 2% RTU	Satisfactory
1024.	487394-F/9(4)2026	9(4) - F	Mitsumi Agri Science Private Limited	Chlorantraniliprole 47.85% SC	Satisfactory
1025.	487496-F/9(4)2026	9(4) - F	Suchang India Private Limited	2,4-D amine salt 58% S.L.	Satisfactory
1026.	487503-F/9(4)2026	9(4) - F	Suchang India Private Limited	ABAMECTIN 1.9% EC	Satisfactory
1027.	487504-F/9(4)2026	9(4) - F	Suchang India Private Limited	Atrazine 50% W.P.	Satisfactory
1028.	487505-F/9(4)2026	9(4) - F	Rajasthan Pesticides Limited	Neem Oil Based EC containing Azadirachtin 0.03% (300 PPM) Min.	Satisfactory
1029.	487507-F/9(4)2026	9(4) - F	Rajasthan Pesticides Limited	Neem Seed Kernel Based EC containing AZADIRACHTIN 0.15% EC (1500 ppm) min	Satisfactory
1030.	487508-F/9(4)2026	9(4) - F	Rajasthan Pesticides Limited	Neem Kernel Based EC Containing Azadirachtin 0.3% w/w min.(3000 PPM)	Satisfactory
1031.	487509-F/9(4)2026	9(4) - F	Suchang India Private Limited	Azoxystrobin 20% + Thifluzamide 15% w/v SC	Satisfactory
1032.	487510-F/9(4)2026	9(4) - F	Rajasthan Pesticides Limited	Copper Oxychloride containing copper contents 50.00% w/w WP	Satisfactory
1033.	487513-F/9(4)2026	9(4) - F	Rajasthan Pesticides Limited	Chlorantraniliprole 0.64% + Tebuconazole 3% + Clothianidin 1.92% GR	Satisfactory
1034.	487516-F/9(4)2026	9(4) - F	Rajasthan Pesticides Limited	CHLORANTRANILIPROLE 8.8% + THIAMETHOXAM 17.5% SC	Satisfactory
1035.	487537-F/9(4)2026	9(4) - F	Royal Crop Life	ABAMECTIN 1.9% EC	Satisfactory
1036.	487538-F/9(4)2026	9(4) - F	Royal Crop Life	AZOXYSTROBIN 4.8% w/w + CHLOROTHALONIL 40.0% w/w SC	Satisfactory
1037.	487540-F/9(4)2026	9(4) - F	Royal Crop Life	Chlorantraniliprole 18.5% w/w SC	Satisfactory
1038.	487541-F/9(4)2026	9(4) - F	Royal Crop Life	Fipronil 2.92% w/w EC	Satisfactory
1039.	487542-F/9(4)2026	9(4) - F	Royal Crop Life	Propiconazole 13.9% w/w + Difenconazole 13.9% w/w EC	Satisfactory

1040.	487556-F/9(4)2026	9(4) - F	Willowood Chemicals Ltd.	Validamycin 5% + Tebuconazole 15% SC	Satisfactory
1041.	487564-F/9(4)2026	9(4) - F	Rajasthan Pesticides Limited	Cypermethrin 0.25% DP	Satisfactory
1042.	487565-F/9(4)2026	9(4) - F	Rajasthan Pesticides Limited	Triacntanol GR 0.05% Min.	Satisfactory
1043.	487583-F/9(4)2026	9(4) - F	Suchang India Private Limited	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
1044.	487586-F/9(4)2026	9(4) - F	Suchang India Private Limited	Chlorantraniliprole 18.5% w/w SC	Satisfactory
1045.	487589-F/9(4)2026	9(4) - F	Suchang India Private Limited	CHLORANTRANILIPROLE 4.3% w/w + ABAMECTIN 1.7% w/w SC	Satisfactory
1046.	487590-F/9(4)2026	9(4) - F	Suchang India Private Limited	Chlorantraniliprole 9.3% + Lambdacyhalothrin 4.6% ZC	Satisfactory
1047.	487591-F/9(4)2026	9(4) - F	Suchang India Private Limited	Chlorpyrifos 20%E.C	Satisfactory
1048.	487599-F/9(4)2026	9(4) - F	Suchang India Private Limited	Dimethoate 30% E.C	Satisfactory
1049.	487603-F/9(4)2026	9(4) - F	Suchang India Private Limited	Ethion 50% EC	Satisfactory
1050.	487682-F/9(4)2026	9(4) - F	Suchang India Private Limited	NOVALURON 5.25% + EMAMECTIN BENZOATE 0.9% W/W SC	Satisfactory
1051.	487687-F/9(4)2026	9(4) - F	Suchang India Private Limited	Novaluron 5.25% + Indoxacarb 4.5% w/w SC	Satisfactory
1052.	487690-F/9(4)2026	9(4) - F	Suchang India Private Limited	PACLOBUTRAZOLE 40% SC	Satisfactory
1053.	487692-F/9(4)2026	9(4) - F	Suchang India Private Limited	Paraquat Dichloride 24% SL	Satisfactory
1054.	487693-F/9(4)2026	9(4) - F	Suchang India Private Limited	Permethrin - 25% EC	Satisfactory
1055.	487694-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	2,4-D amine salt 58% S.L.	Satisfactory
1056.	487695-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Ammonium Salt of Glyphosate 71% SG	Satisfactory
1057.	487696-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Atrazine 50% W.P.	Satisfactory
1058.	487697-F/9(4)2026	9(4) - F	Suchang India Private Limited	Picoxystrobin 6.78% w/w +Tricyclazole 20.33% w/w SC	Satisfactory
1059.	487698-F/9(4)2026	9(4) - F	Suchang India Private Limited	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
1060.	487699-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
1061.	487700-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Bispyribac sodium 10% w/v SC	Satisfactory
1062.	487703-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Carbendazim 12% + Mancozeb 63% WP	Satisfactory
1063.	487704-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Cartap Hydrochloride 4% GR	Satisfactory
1064.	487705-F/9(4)2026	9(4) - F	Suchang India Private Limited	Propaquizafop 5% + Oxyfluorfen 12% EC	Satisfactory
1065.	487709-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
1066.	487710-F/9(4)2026	9(4) - F	Suchang India Private Limited	Pyriproxyfen 8% + Dinotefuran 5% + Diafenthiuron 18% SC	Satisfactory
1067.	487711-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Chlorantraniliprole 18.5% w/w SC	Satisfactory
1068.	487712-F/9(4)2026	9(4) - F	Suchang India Private Limited	Pyrithiobac sodium 6% + Quizalofop ethyl 4% MEC (Micro Emulsion Concentrate)	Satisfactory
1069.	487713-F/9(4)2026	9(4) - F	Suchang India Private Limited	QUIZALOFOP ETHYL 7.5% + IMAZETHAPYR 15 % EC	Satisfactory

1070.	487714-F/9(4)2026	9(4) - F	Suchang India Private Limited	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
1071.	487715-F/9(4)2026	9(4) - F	Suchang India Private Limited	Tembotrione 34.4% w/w SC	Satisfactory
1072.	487717-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Chlorpyrifos 20%E.C	Satisfactory
1073.	487718-F/9(4)2026	9(4) - F	Suchang India Private Limited	THIAMETHOXAM 1.0% + CHLORANTRANILIPROLE 0.5% GR	Satisfactory
1074.	487719-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Chlorpyrifos 50% + Cypermethrin 5% EC	Satisfactory
1075.	487720-F/9(4)2026	9(4) - F	Suchang India Private Limited	Tolfenpyrad 15%EC	Satisfactory
1076.	487721-F/9(4)2026	9(4) - F	Suchang India Private Limited	Topramezone 336 g/l (w/v) SC	Satisfactory
1077.	487722-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
1078.	487724-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Emamectin Benzoate 5% SG	Satisfactory
1079.	487725-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Fenoxaprop-p-ethyl 9.3% EC	Satisfactory
1080.	487726-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Fipronil 0.6% w/w GR	Satisfactory
1081.	487739-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Gibberellic Acid 0.001% L	Satisfactory
1082.	487741-F/9(4)2026	9(4) - F	Darrick Insecticides Ltd.	Chlorantraniliprole 15.75% + Clothianidin 26.25% SC	Satisfactory
1083.	487744-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	IPA Salt of Glyphosate 54% SL for indigenous manufacture	Satisfactory
1084.	487747-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	IMIDACLOPRID 17.8% SL	Satisfactory
1085.	487750-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Lambda-cyhalothrin 4.9% Capsule Suspension	Satisfactory
1086.	487752-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Mancozeb 75 % WP	Satisfactory
1087.	487755-F/9(4)2026	9(4) - F	Green Field Solutions	IMIDACLOPRID 17.8% SL	Satisfactory
1088.	487757-F/9(4)2026	9(4) - F	Green Field Solutions	Myclobutanil 10 % WP	Satisfactory
1089.	487758-F/9(4)2026	9(4) - F	Green Field Solutions	Paclobutrazole 23% SC	Satisfactory
1090.	487759-F/9(4)2026	9(4) - F	Green Field Solutions	PACLOBUTRAZOLE 40% SC	Satisfactory
1091.	487760-F/9(4)2026	9(4) - F	Green Field Solutions	Thiamethoxam 25% WG	Satisfactory
1092.	487762-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Metribuzin 70% W.P.	Satisfactory
1093.	487763-F/9(4)2026	9(4) - F	Green Field Solutions	Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
1094.	487765-F/9(4)2026	9(4) - F	Taaca Agro Chemical Private Limited	Paraquat Dichloride 24% SL	Satisfactory
1095.	487766-F/9(4)2026	9(4) - F	Green Field Solutions	Triacantanol EW 0.1% MIN.	Satisfactory
1096.	487770-F/9(4)2026	9(4) - F	M/s Balaji Sulphur & Chemical Industries Private Limited	Tebuconazole 10% + Sulphur 65% WG	Satisfactory
1097.	487773-F/9(4)2026	9(4) - F	Altanol Technologies Private Limited	Cartap Hydrochloride 4% GR	Satisfactory
1098.	487776-F/9(4)2026	9(4) - F	Altanol Technologies Private Limited	Gibberellic Acid 0.001% L	Satisfactory
1099.	487777-F/9(4)2026	9(4) - F	Altanol Technologies Private Limited	Profenophos 50% EC	Satisfactory
1100.	487778-F/9(4)2026	9(4) - F	Altanol Technologies Private Limited	Tembotrione 34.4% w/w SC	Satisfactory

1101.	487779-F/9(4)2026	9(4) - F	Altanol Technologies Private Limited	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
1102.	487781-F/9(4)2026	9(4) - F	Altanol Technologies Private Limited	Acephate 50% +Imidacloprid 1.8% SP	Satisfactory
1103.	487784-F/9(4)2026	9(4) - F	Altanol Technologies Private Limited	THIAMETHOXAM 1.0% + CHLORANTRANILIPROLE 0.5% GR	Satisfactory
1104.	487786-F/9(4)2026	9(4) - F	Saraswati Agro Chemicals (India) Private Limited	Deltamethrin 0.05% + Allethrin 0.04 % HH Spray	Satisfactory
1105.	487787-F/9(4)2026	9(4) - F	Altanol Technologies Private Limited	Chlorantraniliprole 0.45% + Fipronil 0.50% + Emamectin Benzoate 0.18% GR	Satisfactory
1106.	487658-F/9(4)2026	9(4) - F	Suchang India Private Limited	Forchlorfenuron(CPPU) 0.1% w/v liquid	Satisfactory
1107.	487949-F/9(4)2026	9(4) - F	CRYSTAL TECHNO CORPORATION	Fipronil 0.05 % GEL (Household Insecticide)	Satisfactory
1108.	487660-F/9(4)2026	9(4) - F	Suchang India Private Limited	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
1109.	487662-F/9(4)2026	9(4) - F	Suchang India Private Limited	HEXACONAZOLE 4% + CARBENDAZIM 16% SC	Satisfactory
1110.	487596-F/9(4)2026	9(4) - F	Suchang India Private Limited	Cypermethrin 10% + Indoxacarb 10% w/w SC for indigenous manufacture	Satisfactory
1111.	487664-F/9(4)2026	9(4) - F	Suchang India Private Limited	Metalaxyl-M 4% + Mancozeb 64% WP	Satisfactory
1112.	487749-F/9(4)2026	9(4) - F	Green Field Solutions	Emamectin Benzoate 5% SG	Satisfactory
1113.	487595-F/9(4)2026	9(4) - F	Suchang India Private Limited	Chlorpyrifos 50% + Cypermethrin 5% EC	Satisfactory
1114.	487676-F/9(4)2026	9(4) - F	Suchang India Private Limited	Nitrobenzene 20% EW	Satisfactory
1115.	487177-F/9(4)2026	9(4) - F	Surya Home Care Products	METOFLUTHRIN 0.32% w/w LIQUID VAPORIZER	Satisfactory
1116.	487607-F/9(4)2026	9(4) - F	Suchang India Private Limited	Flonicamid 20% + Fipronil 8% SC	Satisfactory
1117.	487605-F/9(4)2026	9(4) - F	Suchang India Private Limited	Fipronil 15% + Chlorantraniliprole 5% SC	Satisfactory
1118.	487539-F/9(4)2026	9(4) - F	Royal Crop Life	Azoxystrobin 11% + Tebuconazole 18.3% w/w SC	Satisfactory
1119.	487732-F/9(4)2026	9(4) - F	Green Field Solutions	Azoxystrobin 23% SC for indigenous manufacture	Satisfactory
1120.	487688-F/9(4)2026	9(4) - F	Suchang India Private Limited	Paclobutrazole 23% SC	Satisfactory
1121.	487888-F/9(4)2026	9(4) - F	Novamandel Fertilizers And Chemicals Private Limited	Tembotrione 9% + Atrazine 45% WG	Satisfactory
1122.	487736-F/9(4)2026	9(4) - F	Green Field Solutions	Buprofezin 25% SC	Satisfactory
1123.	487882-F/9(4)2026	9(4) - F	Novamandel Fertilizers And Chemicals Private Limited	Nitenpyram 25% SP	Satisfactory
1124.	487738-F/9(4)2026	9(4) - F	Green Field Solutions	Carbendazim 12% + Mancozeb 63% WP	Satisfactory
1125.	487774-F/9(4)2026	9(4) - F	Aravali Crop Science Ltd	Nitenpyram 25% SP	Satisfactory
1126.	487877-F/9(4)2026	9(4) - F	Novamandel Fertilizers And Chemicals Private Limited	Flonicamid 20% + Fipronil 8% SC	Satisfactory
1127.	486748-F/9(4)2026	9(4) - F	Aravali Crop Science Ltd	Fluxapyroxad 250 g/l + pyraclostrobin 250 g/l SC	Satisfactory
1128.	487748-F/9(4)2026	9(4) - F	Green Field Solutions	Difenoconazole 25% EC	Satisfactory
1129.	487745-F/9(4)2026	9(4) - F	Green Field Solutions	Cymoxanil 8% + Mancozeb 64% WP	Satisfactory

1130.	487742-F/9(4)2026	9(4) - F	Green Field Solutions	Chlorpyrifos 50% E.C.	Satisfactory
1131.	481749-F/9(4)2026	9(4) - F	Aravali Crop Science Ltd	Cyantraniliprole 7.3%w/w + Diafenthiuron 36.4%w/w SC (Cyantraniliprole 8% w/v + Diafenthiuron 40%w/v SC) (Cyantraniliprole 80 g/L + Diafenthiuron 400 g/L-480 SC)	Satisfactory
1132.	487000-F/9(4)2026	9(4) - F	Yogi Crop Science Private Limited	Chlorantraniliprole 0.53% + Fipronil 0.8% GR	Satisfactory
1133.	487796-F/9(4)2026	9(4) - F	Novamandel Fertilizers And Chemicals Private Limited	Chlorantraniliprole 0.45% + Fipronil 0.50% + Emamectin Benzoate 0.18% GR	Satisfactory
1134.	487604-F/9(4)2026	9(4) - F	Suchang India Private Limited	Fipronil 10% + Diafenthiuron 30% WG	Satisfactory
1135.	487864-F/9(4)2026	9(4) - F	Novamandel Fertilizers And Chemicals Private Limited	Chlorantraniliprole 0.53% + Fipronil 0.8% GR	Satisfactory
1136.	487794-F/9(4)2026	9(4) - F	Novamandel Fertilizers And Chemicals Private Limited	Broflanilide 300g/l SC	Satisfactory
1137.	487754-F/9(4)2026	9(4) - F	Green Field Solutions	Glyphosate 41% S.L.	Satisfactory
1138.	487751-F/9(4)2026	9(4) - F	Green Field Solutions	Fenobucarb (B.P.M.C) 50% EC	Satisfactory
1139.	487756-F/9(4)2026	9(4) - F	Green Field Solutions	Lambda Cyhalothrin 2.5% EC	Satisfactory
1140.	487849-F/9(4)2026	9(4) - F	Coromass Crop Care Industries Private Limited	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
1141.	487707-F/9(4)2026	9(4) - F	Suchang India Private Limited	PYMETROZINE 50% WG	Satisfactory
1142.	487601-F/9(4)2026	9(4) - F	Suchang India Private Limited	Ethion 40% + Cypermethrin 5% EC	Satisfactory
1143.	487600-F/9(4)2026	9(4) - F	Suchang India Private Limited	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
1144.	487606-F/9(4)2026	9(4) - F	Suchang India Private Limited	FIPRONIL 7% + HEXITHIAZOX 2% SC	Satisfactory
1145.	487793-F/9(4)2026	9(4) - F	Novamandel Fertilizers And Chemicals Private Limited	Chlorantraniliprole 47.85% SC	Satisfactory
1146.	487706-F/9(4)2026	9(4) - F	Sahib Pesticides Private Limited	Gibberellic Acid 1.8% + 6- Benzylaminopurine 1.8% w/w L	Satisfactory
1147.	487144-F/9(4)2026	9(4) - F	Sandoz Agri India	Chlorantraniliprole 47.85% SC	Satisfactory
1148.	487143-F/9(4)2026	9(4) - F	Sandoz Agri India	Ametryn 80% WG	Satisfactory
1149.	487142-F/9(4)2026	9(4) - F	Sandoz Agri India	Lufenuron 5.4% EC	Satisfactory
1150.	487141-F/9(4)2026	9(4) - F	Sandoz Agri India	Pyrithiobac sodium 6% + Quizalofop ethyl 4% MEC (Micro Emulsion Concentrate)	Satisfactory
1151.	487137-F/9(4)2026	9(4) - F	Sandoz Agri India	Bispyribac sodium 10% w/v SC	Satisfactory
1152.	487136-F/9(4)2026	9(4) - F	Sandoz Agri India	Topramezone 336 g/l (w/v) SC	Satisfactory
1153.	487135-F/9(4)2026	9(4) - F	Sandoz Agri India	Propaquizafop 2.5% + Imazethapyr 3.75% ME	Satisfactory
1154.	487134-F/9(4)2026	9(4) - F	Sandoz Agri India	Topramezone 10 g/l + Atrazine 300 g/l SC	Satisfactory
1155.	487133-F/9(4)2026	9(4) - F	Sandoz Agri India	Metsulfuron Methyl 10% w/w + Chlorimuron Ethyl 10% WP	Satisfactory
1156.	487132-F/9(4)2026	9(4) - F	Sandoz Agri India	Spinetoram 11.7% SC	Satisfactory

1157.	487920-F/9(4)2026	9(4) - F	Kaeros Research Limited	Thiamethoxam 25% WG	Satisfactory
1158.	487924-F/9(4)2026	9(4) - F	Kaeros Research Limited	Paraquat Dichloride 24% SL	Satisfactory
1159.	487872-F/9(4)2026	9(4) - F	Novamandel Fertilizers And Chemicals Private Limited	Chlorantraniliprole 0.64% + Tebuconazole 3% + Clothianidin 1.92% GR	Satisfactory
1160.	487862-F/9(4)2026	9(4) - F	Kaeros Research Limited	Lambda cyhalothrin 5% EC.	Satisfactory
1161.	487926-F/9(4)2026	9(4) - F	Kaeros Research Limited	Isoprothiolane 40 % EC	Satisfactory
1162.	487936-F/9(4)2026	9(4) - F	Suchang India Private Limited	Propaquizafop 10% EC	Satisfactory
1163.	487944-F/9(4)2026	9(4) - F	Suchang India Private Limited	PROFENOFOS 40% + FENPYROXIMATE 2.5% EC	Satisfactory
1164.	487946-F/9(4)2026	9(4) - F	PARAM AGARBATTI WORKS	Renofluthrin 1.0% w/w Incense Stick	Satisfactory
1165.	487964-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	CHLORANTRANILIPROLE 4.3% w/w + ABAMECTIN 1.7% w/w SC	Satisfactory
1166.	487960-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	ABAMECTIN 1.9% EC	Satisfactory
1167.	487677-F/9(4)2026	9(4) - F	GEE KAY AGRI UNO	Halosulfuron methyl 75% WG	Satisfactory
1168.	487678-F/9(4)2026	9(4) - F	GEE KAY AGRI UNO	Kasugamycin 5% + Copper Oxychloride 45% WP	Satisfactory
1169.	487961-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	AZOXYSTROBIN 11.5% + MANCOZEB 30% w/w WP	Satisfactory
1170.	487730-F/9(4)2026	9(4) - F	Seedlings India Private Limited	Cyantraniliprole 18.41% SC	Satisfactory
1171.	487733-F/9(4)2026	9(4) - F	Seedlings India Private Limited	Cyantraniliprole 48% w/w (Cyantraniliprole 60% w/v) (Cyantraniliprole 600 g/l FS)	Satisfactory
1172.	487737-F/9(4)2026	9(4) - F	Seedlings India Private Limited	Cyantraniliprole 16.9% + Lufenuron 16.9% SC	Satisfactory
1173.	487740-F/9(4)2026	9(4) - F	Seedlings India Private Limited	Cyantraniliprole 10% + Pymetrozine 50% WG	Satisfactory
1174.	487996-F/9(4)2026	9(4) - F	SRI GANESH AGRO CHEMICAL COMPANY	Tembotrione 34.4% w/w SC	Satisfactory
1175.	487995-F/9(4)2026	9(4) - F	SRI GANESH AGRO CHEMICAL COMPANY	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
1176.	487994-F/9(4)2026	9(4) - F	SRI GANESH AGRO CHEMICAL COMPANY	GIBBERELLIC ACID 40% WSG	Satisfactory
1177.	487993-F/9(4)2026	9(4) - F	SRI GANESH AGRO CHEMICAL COMPANY	Emamectin Benzoate 1.9% EC	Satisfactory
1178.	487991-F/9(4)2026	9(4) - F	Seedlings India Private Limited	Methoxyfenozide 5% + Chlorpyrifos 25% SE	Satisfactory
1179.	487986-F/9(4)2026	9(4) - F	BR Agrotech Ltd	Azoxystrobin 4% + Isoprothiolane 12% + Mancozeb 30% WP w/w	Satisfactory
1180.	487985-F/9(4)2026	9(4) - F	Sharda Cropchem Ltd.	Cypermethrin 10% E.C.	Satisfactory
1181.	487983-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	Topramezone 336 g/l (w/v) SC	Satisfactory
1182.	486148-F/9(4)2026	9(4) - F	United Pesticides Raipur Pvt. Ltd.	Cyantraniliprole 10% + Pymetrozine 50% WG	Satisfactory
1183.	487981-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	THIAMETHOXAM 1.0% + CHLORANTRANILIPROLE 0.5% GR	Satisfactory
1184.	487980-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	Tembotrione 34.4% w/w SC	Satisfactory
1185.	487976-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	TEBUCONAZOLE 6.7% + CAPTAN 26.9% W/W SC	Satisfactory
1186.	487969-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	Nitrobenzene 20% EW	Satisfactory

1187.	487830-F/9(4)2026	9(4) - F	Aero Industries	Pyrethrum 0.2% Aerosol	Satisfactory
1188.	487832-F/9(4)2026	9(4) - F	Kaeros Research Limited	Bifenthrin 10% EC w/w	Satisfactory
1189.	487533-F/9(4)2026	9(4) - F	United Pesticides Raipur Pvt. Ltd.	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
1190.	487963-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	Bensulfuron Methyl 0.6 % + Pretilachlor 6 % GR (Ready mix)	Satisfactory
1191.	487833-F/9(4)2026	9(4) - F	Kaeros Research Limited	Chlorpyrifos 20% E.C	Satisfactory
1192.	487131-F/9(4)2026	9(4) - F	Sandoz Agri India	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
1193.	487967-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
1194.	487965-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	FLUBENDIAMIDE 8.33% + DELTAMETHRIN 5.56% SC	Satisfactory
1195.	487975-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	QUIZALOFOP ETHYL 10% EC	Satisfactory
1196.	487974-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	Propaquizafop 10% EC	Satisfactory
1197.	487972-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	PENOXSULAM 0.97% + BUTACHLOR 38.8% SE	Satisfactory
1198.	487723-F/9(4)2026	9(4) - F	Seedlings India Private Limited	Fluxapyroxad 62.5 g/l + Epoxiconazole 62.5 g/l EC	Satisfactory
1199.	487970-F/9(4)2026	9(4) - F	Yawalkar Pesticides Pvt Ltd.	PACLOBUTRAZOLE 40% SC	Satisfactory
1200.	488040-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Thiamethoxam 30% FS	Satisfactory
1201.	488042-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Lufenuron 5.4% EC	Satisfactory
1202.	487060-F/9(4)2026	9(4) - F	SRG AGRO INDUSTRIES	Tolfenpyrad 15% EC	Satisfactory
1203.	488049-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
1204.	487852-F/9(4)2026	9(4) - F	Bharat Certis AgriScience Limited	Dodine 65% WP	Satisfactory
1205.	487897-F/9(4)2026	9(4) - F	PEPTECH BIOSCIENCES LIMITED	Cyantraniliprole 16.9% + Lufenuron 16.9% SC	Satisfactory
1206.	488030-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Propiconazole 10.7% + Tricyclazole 34.2% SE	Satisfactory
1207.	488029-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	PENOXSULAM 1.02% + CYHALOFOP-BUTYL 5.1% OD	Satisfactory
1208.	488037-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Novaluron 5.25% + Indoxacarb 4.5% w/w SC	Satisfactory
1209.	488017-F/9(4)2026	9(4) - F	HETBAN SPECHEM LIMITED	Hexaconazole 5% EC	Satisfactory
1210.	487140-F/9(4)2026	9(4) - F	Sandoz Agri India	Tembotrione 34.4% w/w SC	Satisfactory
1211.	488038-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Nitrobenzene 20% EW	Satisfactory
1212.	487835-F/9(4)2026	9(4) - F	Bharat Certis AgriScience Limited	DODINE 40% SC	Satisfactory
1213.	488060-F/9(4)2026	9(4) - F	Sandoz Agri India	2,4-D Sodium Salt 48% + Metribuzin 32% + Chlorimuron ethyl 0.85% WDG	Satisfactory
1214.	488032-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
1215.	488043-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
1216.	488044-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Indoxacarb 14.5% SC	Satisfactory
1217.	488033-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	FIPRONIL 7% + HEXITHIAZOX 2% SC	Satisfactory

1218.	488039-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Fluxametamide 5.81% + Bifenthrin 5.81 % EC	Satisfactory
1219.	488034-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Dimethoate 30% E.C	Satisfactory
1220.	484774-F/9(4)2026	9(4) - F	Saral Crop Science	Nitenpyram 25% SP	Satisfactory
1221.	488041-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Fipronil 10% + Diafenthiuron 30% WG	Satisfactory
1222.	488035-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	PROPARGITE 42% + HEXYTHIAZOX 2% EC	Satisfactory
1223.	488036-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Glufosinate ammonium 13.5% w/w SL (15% w/v)	Satisfactory
1224.	488046-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Tolfenpyrad 15% +Bifenthrin 7.5 % SE	Satisfactory
1225.	479868-F/9(4)2026	9(4) - F	Saral Crop Science	Diafenthiuron 48.0% + Dinotefuran 8.0% WG	Satisfactory
1226.	487848-F/9(4)2026	9(4) - F	PEPTECH BIOSCIENCES LIMITED	Pyraclostrobin 133 g/l + Epoxiconazole 50 g/l SE	Satisfactory
1227.	488047-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
1228.	487851-F/9(4)2026	9(4) - F	PEPTECH BIOSCIENCES LIMITED	Cyantraniliprole 7.3%w/w + Diafenthiuron 36.4%w/w SC (Cyantraniliprole 8% w/v + Diafenthiuron 40%w/v SC) (Cyantraniliprole 80 g/L + Diafenthiuron 400 g/L-480 SC)	Satisfactory
1229.	488048-F/9(4)2026	9(4) - F	TERRA AGRO FARMS	Diafenthiuron 30% + Pyriproxyfen 8% SE	Satisfactory
1230.	488068-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Paclobutrazol 23% W/W SC	Satisfactory
1231.	488067-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	IMIDACLOPRID 17.8% SL	Satisfactory
1232.	488066-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Emamectin Benzoate 1.9% EC	Satisfactory
1233.	488065-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
1234.	488064-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Thiamethoxam 12.6% +Lambda-Cyhalothrin 9.5% ZC for indigenous manufacture	Satisfactory
1235.	488056-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
1236.	488057-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Neem Kernel Based EC Containing Azadirachtin 0.3% w/w min.(3000 PPM)	Satisfactory
1237.	488062-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Emamectin Benzoate 5% SG	Satisfactory
1238.	488061-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Chlorantraniliprole 9.3% + Lambdacyhalothrin 4.6% ZC	Satisfactory
1239.	486744-F/9(4)2026	9(4) - F	Aravali Crop Science Ltd	Cyantraniliprole 18.41% SC	Satisfactory
1240.	487950-F/9(4)2026	9(4) - F	CRYSTAL TECHNO CORPORATION	Imidacloprid 2.15% Gel	Satisfactory
1241.	486734-F/9(4)2026	9(4) - F	Aravali Crop Science Ltd	Chlorantraniliprole 15.75% + Clothianidin 26.25% SC	Satisfactory
1242.	486980-F/9(4)2026	9(4) - F	WINTech AGRO CHEMICALS	Alphacypermethrin 10% SC	Satisfactory
1243.	488059-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
1244.	488058-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Azoxystrobin 11% + Tebuconazole 18.3% w/w SC	Satisfactory
1245.	470496-F/9(4)2025	9(4) - F	Aravali Crop Science Ltd	METHOXYFENOZIDE 21.8% SC	Satisfactory
1246.	486978-F/9(4)2026	9(4) - F	WINTech AGRO CHEMICALS	Lufenuron 5.4% EC	Satisfactory

1247.	488063-F/9(4)2026	9(4) - F	NXG BESTO LIMITED	Thiamethoxam 30% FS	Satisfactory
1248.	472171-F/9(4)2025	9(4) - F	Aravali Crop Science Ltd	Propaquizafop 5% + Oxyfluorfen 12% EC	Satisfactory
1249.	486311-F/9(4)2026	9(4) - F	ORBIT AGRI REMEDIES	THIAMETHOXAM 75% w/w SG	Satisfactory
1250.	482037-F/9(4)2026	9(4) - F	Yaduka Agrotech Limited	Thiamethoxam 30% FS	Satisfactory
1251.	482035-F/9(4)2026	9(4) - F	Yaduka Agrotech Limited	Tebuconazole 5.4% w/w FS	Satisfactory
1252.	482032-F/9(4)2026	9(4) - F	Yaduka Agrotech Limited	Imidacloprid 48% FS	Satisfactory
1253.	482028-F/9(4)2026	9(4) - F	Yaduka Agrotech Limited	Imidacloprid 18.5% + Hexaconazole 1.5% FS for indigenous manufacture	Satisfactory
1254.	482027-F/9(4)2026	9(4) - F	Yaduka Agrotech Limited	Gibberellic Acid 0.001% L	Satisfactory
1255.	481901-F/9(4)2026	9(4) - F	Stallion Agritech Private Limited	Fipronil 5% SC	Satisfactory
1256.	477262-F/9(4)2025	9(4) - F	WINTech AGRO CHEMICALS	Novaluron 10% EC for indigenous manufacture	Satisfactory
1257.	488082-F/9(4)2026	9(4) - F	Paradeep Fertilchem Industry Pvt Ltd	Tolfenpyrad 15%EC	Satisfactory
1258.	488091-F/9(4)2026	9(4) - F	Agrichem Industries	Imazethapyr 10 % SL	Satisfactory
1259.	488108-F/9(4)2026	9(4) - F	Globe International Crop Science	Neem Seed Kernel Based EC Containing Azadirachtin- 1% (10000 ppm) min.	Satisfactory
1260.	488109-F/9(4)2026	9(4) - F	Globe International Crop Science	Neem extract concentrate containing Azadirachtin-5% w/w min.	Satisfactory
1261.	488110-F/9(4)2026	9(4) - F	Globe International Crop Science	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
1262.	488111-F/9(4)2026	9(4) - F	Globe International Crop Science	Hexaconazole 75% WG	Satisfactory
1263.	488112-F/9(4)2026	9(4) - F	Globe International Crop Science	PACLOBUTRAZOLE 40% SC	Satisfactory
1264.	488113-F/9(4)2026	9(4) - F	Globe International Crop Science	Thiophanate Methyl 70% WP	Satisfactory
1265.	488115-F/9(4)2026	9(4) - F	Elechem Bio Sciences Pvt Ltd	Ziram 27% SC	Satisfactory
1266.	488116-F/9(4)2026	9(4) - F	Plant Remedies Pvt.Ltd.	Tolfenpyrad 15%EC	Satisfactory
1267.	487609-F/9(4)2026	9(4) - F	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
1268.	487652-F/9(4)2026	9(4) - F	Willowood Chemicals Ltd.	Tricyclazole 45% + Hexaconazole 10% WG for indigenous manufacture	Satisfactory
1269.	487659-F/9(4)2026	9(4) - F	Synotech Chemicals	Chlorantraniliprole 35% WG	Satisfactory
1270.	487780-F/9(4)2026	9(4) - F	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Oxyfluorfen 23.5% E.C (w/w)	Satisfactory
1271.	487782-F/9(4)2026	9(4) - F	TRUUCHEM TECHNOLOGIES PRIVATE LIMITED	Carbendazim 12% + Mancozeb 63% WP	Satisfactory
1272.	487962-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Sulfosulfuron 75% WG	Satisfactory
1273.	487966-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	SULFENTRAZONE 39.6 % w/w SC	Satisfactory
1274.	487971-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Pyriithiobac- Sodium 10 % EC	Satisfactory
1275.	487984-F/9(4)2026	9(4) - F	Sahib Pesticides Private Limited	Propanil 80% DF	Satisfactory
1276.	488000-F/9(4)2026	9(4) - F	Crop Master Private Limited	QUIZALOFOP ETHYL 7.5% + IMAZETHAPYR 15 % EC	Satisfactory

1277.	486808-F/9(4)2026	9(4) - F	GROW SAFE CHEMICALS PRIVATE LIMITED	Ametryn 80% WG	Satisfactory
1278.	486809-F/9(4)2026	9(4) - F	GROW SAFE CHEMICALS PRIVATE LIMITED	Topramezone 336 g/l (w/v) SC	Satisfactory
1279.	486810-F/9(4)2026	9(4) - F	GROW SAFE CHEMICALS PRIVATE LIMITED	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
1280.	486815-F/9(4)2026	9(4) - F	GROW SAFE CHEMICALS PRIVATE LIMITED	Fomesafen 11.1% + Fluazifop-p-butyl 11.1% SL	Satisfactory
1281.	486432-F/9(4)2026	9(4) - F	AVN AGRO CARE	Mesotrione 2.27%+ Atrazine 22.7% SC	Satisfactory
1282.	486430-F/9(4)2026	9(4) - F	AVN AGRO CARE	Tembotrione 34.4% w/w SC	Satisfactory
1283.	486428-F/9(4)2026	9(4) - F	AVN AGRO CARE	Topramezone 336 g/l (w/v) SC	Satisfactory
1284.	486313-F/9(4)2026	9(4) - F	ORBIT AGRI REMEDIES	Validamycin 5% + Tebuconazole 15% SC	Satisfactory
1285.	486312-F/9(4)2026	9(4) - F	ORBIT AGRI REMEDIES	TRIFLUMEZOPYRIM 10% w/w SC	Satisfactory
1286.	486310-F/9(4)2026	9(4) - F	ORBIT AGRI REMEDIES	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
1287.	486309-F/9(4)2026	9(4) - F	ORBIT AGRI REMEDIES	Pyrazosulfuron ethyl 10% WP	Satisfactory
1288.	486308-F/9(4)2026	9(4) - F	ORBIT AGRI REMEDIES	Pretilachlor 50% E.C.	Satisfactory
1289.	486305-F/9(4)2026	9(4) - F	ORBIT AGRI REMEDIES	PENOXSULAM 2.67% w/w OD	Satisfactory
1290.	486304-F/9(4)2026	9(4) - F	ORBIT AGRI REMEDIES	PACLOBUTRAZOLE 40% SC	Satisfactory
1291.	486303-F/9(4)2026	9(4) - F	ORBIT AGRI REMEDIES	Imazethapyr 70% WG	Satisfactory
1292.	486302-F/9(4)2026	9(4) - F	ORBIT AGRI REMEDIES	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
1293.	486291-F/9(4)2026	9(4) - F	GROW SAFE CHEMICALS PRIVATE LIMITED	Tembotrione 34.4% w/w SC	Satisfactory
1294.	486248-F/9(4)2026	9(4) - F	AGRICHEM LIFE SCIENCE PVT LTD	Imazethapyr 10 % SL	Satisfactory
1295.	485365-F/9(4)2026	9(4) - F	WINTech AGRO CHEMICALS	NOVALURON 5.25% + EMAMECTIN BENZOATE 0.9% W/W SC	Satisfactory
1296.	485167-F/9(4)2026	9(4) - F	AVN AGRO CARE	CHLORANTRANILIPROLE 0.4% w/w GR	Satisfactory
1297.	488234-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Topramezone 336 g/l (w/v) SC	Satisfactory
1298.	487977-F/9(4)2026	9(4) - F	Durga Pesticides and Chemicals	Imidacloprid 21% w/w + Beta-cyfluthrin 10.5% w/w SC for indigenous manufacture	Satisfactory
1299.	488232-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Bispyribac sodium 10% w/v SC	Satisfactory
1300.	488167-F/9(4)2026	9(4) - F	Agr-Eh Technologies Pvt. Ltd.	Bispyribac sodium 10% w/v SC	Satisfactory
1301.	488221-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Glyphosate 41% S.L.	Satisfactory
1302.	488180-F/9(4)2026	9(4) - F	Bharati Minerals Ltd	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
1303.	488155-F/9(4)2026	9(4) - F	Syngenta India Private Limited	Lambdacyhalothrin 9.7% CS	Satisfactory
1304.	482026-F/9(4)2026	9(4) - F	Yaduka Agrotech Limited	Carboxin 17.5% + Thiram 17.5% FF	Satisfactory
1305.	487054-F/9(4)2026	9(4) - F	SRG AGRO INDUSTRIES	Fluxapyroxad 250 g/l + pyraclostrobin 250 g/l SC	Satisfactory
1306.	488053-F/9(4)2026	9(4) - F	SEVRIN CHEMICALS PVT. LTD.	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
1307.	488012-F/9(4)2026	9(4) - F	BETRUST INDUSTRIES PRIVATE LIMITED	Thiodicarb 75% W.P.	Satisfactory
1308.	488212-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Thiamethoxam 25% WG	Satisfactory

1309.	488210-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Ammonium Salt of Glyphosate 71% SG	Satisfactory
1310.	481126-F/9(4)2026	9(4) - F	Makam Agrochem P. Ltd.	Nitrobenzene 20% EW	Satisfactory
1311.	488230-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Thiophanate Methyl 70% WP	Satisfactory
1312.	488208-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Clodinafop - Propargyl 15% WP	Satisfactory
1313.	488229-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
1314.	488228-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Metsulfuron Methyl 10% w/w + Chlorimuron Ethyl 10% WP	Satisfactory
1315.	488219-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Fenoxaprop-p-ethyl 9.3% EC	Satisfactory
1316.	488227-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Metalaxyl 8% + Mancozeb 64% WP	Satisfactory
1317.	488246-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Pendimethalin 30% + Imazethapyr 2% EC	Satisfactory
1318.	488218-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	CARBENDAZIM 25% + MANCOZEB 50% WS	Satisfactory
1319.	488226-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Imazethapyr 10 % SL	Satisfactory
1320.	488245-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Fenoxaprop-p-ethyl 6.7% w/w EC for indigenous manufacture	Satisfactory
1321.	488244-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Metsulfuron methyl 20% WG	Satisfactory
1322.	488223-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Imidacloprid 70% WG	Satisfactory
1323.	488240-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Lufenuron 5.4% EC	Satisfactory
1324.	482038-F/9(4)2026	9(4) - F	Yaduka Agrotech Limited	Thiram 40% FS	Satisfactory
1325.	488238-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	PYMETROZINE 50% WG	Satisfactory
1326.	488225-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Cartap Hydrochloride 50% SP	Satisfactory
1327.	488236-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Sulphur 80% W.P	Satisfactory
1328.	488216-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Carbendazim 12% + Mancozeb 63% WP	Satisfactory
1329.	487840-F/9(4)2026	9(4) - F	Coromass Crop Care Industries Private Limited	Pendimethalin 38.7% CS	Satisfactory
1330.	487791-F/9(4)2026	9(4) - F	M/s. P.J. Margo Pvt. Ltd.,	Neem Seed Kernel Based EC containing AZADIRACTIN 0.15% EC (1500 ppm) min	Satisfactory
1331.	487792-F/9(4)2026	9(4) - F	M/s. P.J. Margo Pvt. Ltd.,	Neem Seed Kernel Based EC Containing Azadirachtin- 1% (10000 ppm) min.	Satisfactory
1332.	488214-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Chlorpyrifos 20%E.C	Satisfactory
1333.	488205-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	QUIZALOFOP-ETHYL 5% w/w EC	Satisfactory
1334.	488202-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Tembotrione 34.4% w/w SC	Satisfactory
1335.	488200-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Azoxystrobin 2.5% + Thiophanate methyl 11.25% + Thiamethoxam 25% FS	Satisfactory
1336.	488191-F/9(4)2026	9(4) - F	CHEMINOVA INDIA LIMITED	Chlorantraniliprole 15.75% + Clothianidin 26.25% SC	Satisfactory
1337.	488183-F/9(4)2026	9(4) - F	Sterling Agrichem Pvt Ltd	Propaquizafop 2.5% + Imazethapyr 3.75% ME	Satisfactory
1338.	488177-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Halosulfuron methyl 75% WG	Satisfactory

1339.	488176-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Fenoxaprop-p-ethyl 10% E.C.	Satisfactory
1340.	488171-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Clethodim 25 % w/w (240 g/l) EC	Satisfactory
1341.	487799-F/9(4)2026	9(4) - F	M/s. P.J. Margo Pvt. Ltd.,	Neem extract concentrate containing Azadirachtin-5% w/w min.	Satisfactory
1342.	487836-F/9(4)2026	9(4) - F	Coromass Crop Care Industries Private Limited	AZOXYSTROBIN 7.1% + PROPICONAZOLE 11.9 % W/W SE	Satisfactory
1343.	488242-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Paraquat Dichloride 24% SL	Satisfactory
1344.	487837-F/9(4)2026	9(4) - F	Coromass Crop Care Industries Private Limited	Emamectin Benzoate 1.5% + Fipronil 3.5% SC for indigenous manufacture	Satisfactory
1345.	487839-F/9(4)2026	9(4) - F	Coromass Crop Care Industries Private Limited	FLUBENDIAMIDE 20% WG	Satisfactory
1346.	488166-F/9(4)2026	9(4) - F	Amigo Crop Science Private limited	Butachlor 5% GR	Satisfactory
1347.	488163-F/9(4)2026	9(4) - F	Sterling Agrichem Pvt Ltd	Fomesafen 12.5% + Quiazalofop ethyl 4.68% EC	Satisfactory
1348.	486824-F/9(4)2026	9(4) - F	M/s. P.J. Margo Pvt. Ltd.,	Neem Extract Concentrate Containing Azadirachtin 10% w/w min.	Satisfactory
1349.	488322-F/9(4)2026	9(4) - F	VIJAYALAXMI CROP SCIENCE	Nitrobenzene 20% EW	Satisfactory
1350.	484913-F/9(4)2026	9(4) - F	Arawali Crops Nutrients Private Limited	Fomesafen 11.1% + Fluazifop-p-butyl 11.1% SL	Satisfactory
1351.	487919-F/9(4)2026	9(4) - F	Meghmani Industries Limited	Clethodim 25 % w/w (240 g/l) EC	Satisfactory
1352.	487790-F/9(4)2026	9(4) - F	M/s. P.J. Margo Pvt. Ltd.,	Neem Kernel Based EC Containing Azadirachtin 0.3% w/w min.(3000 PPM)	Satisfactory
1353.	487846-F/9(4)2026	9(4) - F	Coromass Crop Care Industries Private Limited	Tebuconazole 10% + Sulphur 65% WG	Satisfactory
1354.	487844-F/9(4)2026	9(4) - F	Coromass Crop Care Industries Private Limited	Pinoxaden 5.1 % EC	Satisfactory
1355.	488319-F/9(4)2026	9(4) - F	VIJAYALAXMI CROP SCIENCE	Gibberellic Acid 0.001% L	Satisfactory
1356.	487958-F/9(4)2026	9(4) - F	Sudarshan Consolidated Limited	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
1357.	487842-F/9(4)2026	9(4) - F	Coromass Crop Care Industries Private Limited	Picoxystrobin 7.05% + Propiconazole 11.71% SC for indigenous manufacture	Satisfactory
1358.	488316-F/9(4)2026	9(4) - F	VIJAYALAXMI CROP SCIENCE	Emamectin Benzoate 1.9% EC	Satisfactory
1359.	486948-F/9(4)2026	9(4) - F	Krusha Crop Science.	FOMESAFEN 12% + QUIZALOFOP ETHYL 3% SC	Satisfactory
1360.	482163-F/9(4)2026	9(4) - F	United Insecticides Private Limited	Haloxifop R Methyl 10.5% EC	Satisfactory
1361.	486950-F/9(4)2026	9(4) - F	Krusha Crop Science.	Lufenuron 5.4% EC	Satisfactory
1362.	486951-F/9(4)2026	9(4) - F	Krusha Crop Science.	PENOXSULAM 1.02% + CYHALOFOP-BUTYL 5.1% OD	Satisfactory
1363.	486953-F/9(4)2026	9(4) - F	Krusha Crop Science.	PENOXSULAM 2.67% w/w OD	Satisfactory
1364.	486955-F/9(4)2026	9(4) - F	Krusha Crop Science.	Thifluzamide 24 % SC	Satisfactory
1365.	488150-F/9(4)2026	9(4) - F	G P ORGANIC	Fipronil 40% + Imidacloprid 40% WG	Satisfactory
1366.	488149-F/9(4)2026	9(4) - F	G P ORGANIC	Lambda cyhalothrin 5% EC.	Satisfactory

1367.	445212-F/9(4)2024	9(4) - F	SUPER CROP SAFE LTD	Tolfenpyrad 15%EC	Satisfactory
1368.	488148-F/9(4)2026	9(4) - F	G P ORGANIC	Tolfenpyrad 15%EC	Satisfactory
1369.	488147-F/9(4)2026	9(4) - F	G P ORGANIC	Azoxystrobin 11% + Tebuconazole 18.3% w/w SC	Satisfactory
1370.	488146-F/9(4)2026	9(4) - F	G P ORGANIC	THIAMETHOXAM 1.0% + CHLORANTRANILIPROLE 0.5% GR	Satisfactory
1371.	488145-F/9(4)2026	9(4) - F	G P ORGANIC	Ammonium Salt of Glyphosate 71% SG	Satisfactory
1372.	488143-F/9(4)2026	9(4) - F	G P ORGANIC	ALPHA NAPHTHYL ACETIC ACID 4.5% SL	Satisfactory
1373.	488142-F/9(4)2026	9(4) - F	G P ORGANIC	Chlorantraniliprole 18.5% w/w SC	Satisfactory
1374.	488141-F/9(4)2026	9(4) - F	G P ORGANIC	Emamectin Benzoate 5% SG	Satisfactory
1375.	488140-F/9(4)2026	9(4) - F	G P ORGANIC	QUIZALOFOP-ETHYL 5% w/w EC	Satisfactory
1376.	487850-F/9(4)2026	9(4) - F	MARGO BIOCONTROLS PRIVATE LIMITED	Neem extract concentrate containing Azadirachtin-5% w/w min.	Satisfactory
1377.	487847-F/9(4)2026	9(4) - F	MARGO BIOCONTROLS PRIVATE LIMITED	Neem Seed Kernel Based EC Containing Azadirachtin- 1% (10000 ppm) min.	Satisfactory
1378.	487845-F/9(4)2026	9(4) - F	MARGO BIOCONTROLS PRIVATE LIMITED	Neem Seed Kernel Based EC containing AZADIRACHTIN 0.15% EC (1500 ppm) min	Satisfactory
1379.	487843-F/9(4)2026	9(4) - F	MARGO BIOCONTROLS PRIVATE LIMITED	Neem Kernel Based EC Containing Azadirachtin 0.3% w/w min.(3000 PPM)	Satisfactory
1380.	487841-F/9(4)2026	9(4) - F	MARGO BIOCONTROLS PRIVATE LIMITED	Neem Oil based - EC containing Azadirachtin 0.03% (300 PPM) w/w min. Botanical fungicide.	Satisfactory
1381.	488139-F/9(4)2026	9(4) - F	G P ORGANIC	Thiophanate Methyl 70% WP	Satisfactory
1382.	488465-F/9(4)2026	9(4) - F	Bengal Pesticides	Pyriproxyfen 10% + Bifenthrin 10% w/w EC for indigenous manufacture	Satisfactory
1383.	488462-F/9(4)2026	9(4) - F	Bengal Pesticides	Paraquat Dichloride 24% SL	Satisfactory
1384.	488461-F/9(4)2026	9(4) - F	Bengal Pesticides	Metalaxyl 8% + Mancozeb 64% WP	Satisfactory
1385.	488460-F/9(4)2026	9(4) - F	Bengal Pesticides	Mancozeb 75 % WP	Satisfactory
1386.	488457-F/9(4)2026	9(4) - F	Bengal Pesticides	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
1387.	488456-F/9(4)2026	9(4) - F	Bengal Pesticides	Clodinafop - Propargyl 15% WP	Satisfactory
1388.	488455-F/9(4)2026	9(4) - F	Bengal Pesticides	Chlorpyrifos 50% + Cypermethrin 5% EC	Satisfactory
1389.	488454-F/9(4)2026	9(4) - F	Bengal Pesticides	Cartap Hydrochloride 50% SP	Satisfactory
1390.	488452-F/9(4)2026	9(4) - F	Bengal Pesticides	Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC for indigenous manufacture	Satisfactory
1391.	488451-F/9(4)2026	9(4) - F	Bengal Pesticides	Ammonium Salt of Glyphosate 71% SG	Satisfactory
1392.	488447-F/9(4)2026	9(4) - F	Agrocrest Chemicals Private Limited	Emamectin Benzoate 5% SG	Satisfactory
1393.	488446-F/9(4)2026	9(4) - F	ZIVISTA CROP PROTECTION	Azoxystrobin 20% + Thifluzamide 15% w/v SC	Satisfactory
1394.	488445-F/9(4)2026	9(4) - F	ZIVISTA CROP PROTECTION	Chlorfenapyr 240 g/l SC	Satisfactory
1395.	488444-F/9(4)2026	9(4) - F	ZIVISTA CROP PROTECTION	Clodinafop - Propargyl 15% WP	Satisfactory

1396.	488443-F/9(4)2026	9(4) - F	ZIVISTA CROP PROTECTION	Cyantraniliprole 16.9% + Lufenuron 16.9% SC	Satisfactory
1397.	488442-F/9(4)2026	9(4) - F	Koronation Bio-Science	TRICYCLAZOLE 18.0% + TEBUCONAZOLE 14.4% SC	Satisfactory
1398.	488441-F/9(4)2026	9(4) - F	ZIVISTA CROP PROTECTION	CYANTRANILIPROLE 19.8% + THIAMETHOXAM 19.8% FS	Satisfactory
1399.	488440-F/9(4)2026	9(4) - F	Koronation Bio-Science	Tebuconazole 50% + Trifloxystrobin 25% WG	Satisfactory
1400.	488439-F/9(4)2026	9(4) - F	ZIVISTA CROP PROTECTION	Diafenthiuron 30% + Pyriproxyfen 8% SE	Satisfactory
1401.	488438-F/9(4)2026	9(4) - F	Koronation Bio-Science	Spinetoram 11.7% SC	Satisfactory
1402.	488437-F/9(4)2026	9(4) - F	Bengal Pesticides	Acetamiprid 20% SP	Satisfactory
1403.	488431-F/9(4)2026	9(4) - F	Koronation Bio-Science	Kresoxim-methyl 15% + Chlorothalonil 56% WG	Satisfactory
1404.	488430-F/9(4)2026	9(4) - F	Koronation Bio-Science	Hexythiazox 5.45% EC	Satisfactory
1405.	488428-F/9(4)2026	9(4) - F	Koronation Bio-Science	Gibberellic Acid 1.8% + 6-Benzylaminopurine 1.8% w/w L	Satisfactory
1406.	482165-F/9(4)2026	9(4) - F	United Insecticides Private Limited	Metiram 55% + Pyraclostrobin 5% WG	Satisfactory
1407.	488426-F/9(4)2026	9(4) - F	Koronation Bio-Science	Fluxametamide 5.81% + Bifenthrin 5.81 % EC	Satisfactory
1408.	488424-F/9(4)2026	9(4) - F	Koronation Bio-Science	Diafenthiuron 48.0% + Dinotefuran 8.0% WG	Satisfactory
1409.	488422-F/9(4)2026	9(4) - F	Koronation Bio-Science	Deltamethrin 0.72% w/w + Buprofezin 5.65% w/w EC	Satisfactory
1410.	488419-F/9(4)2026	9(4) - F	Koronation Bio-Science	Cymoxanil 8% + Mancozeb 64% WP	Satisfactory
1411.	488416-F/9(4)2026	9(4) - F	Koronation Bio-Science	Cyantraniliprole 7.3%w/w + Diafenthiuron 36.4%w/w SC (Cyantraniliprole 8% w/v + Diafenthiuron 40%w/v SC) (Cyantraniliprole 80 g/L + Diafenthiuron 400 g/L-480 SC)	Satisfactory
1412.	488412-F/9(4)2026	9(4) - F	Koronation Bio-Science	Chlorfluazuron 5.4% EC	Satisfactory
1413.	488411-F/9(4)2026	9(4) - F	Koronation Bio-Science	Chlorantraniliprole 6.5%+ Lufenuron 5% + Emamectin benzoate 2% SC	Satisfactory
1414.	488410-F/9(4)2026	9(4) - F	Koronation Bio-Science	Chlorantraniliprole 47.85% SC	Satisfactory
1415.	488407-F/9(4)2026	9(4) - F	Koronation Bio-Science	Broflanilide 300g/l SC	Satisfactory
1416.	488406-F/9(4)2026	9(4) - F	Rupmani Chemicals	Propineb 70% WP	Satisfactory
1417.	488404-F/9(4)2026	9(4) - F	Rupmani Chemicals	Mancozeb 75 % WP	Satisfactory
1418.	488403-F/9(4)2026	9(4) - F	Rupmani Chemicals	Ethephon 39% S.L	Satisfactory
1419.	488402-F/9(4)2026	9(4) - F	Rupmani Chemicals	Copper Oxychloride containing copper contents 50.00% w/w WP	Satisfactory
1420.	488401-F/9(4)2026	9(4) - F	Rupmani Chemicals	ABAMECTIN 1.9% EC	Satisfactory
1421.	488396-F/9(4)2026	9(4) - F	S.D. AGRO CHEMICALS LIMITED	Pyraclostrobin 10% + Metiram 30% + Difenconazole 10% w/w WG	Satisfactory
1422.	488395-F/9(4)2026	9(4) - F	S.D. AGRO CHEMICALS LIMITED	Thiafluzamide 15% + Difenconazole 20% SC	Satisfactory
1423.	488370-F/9(4)2026	9(4) - F	G P ORGANIC	Pyriproxyfen 8% + Dinotefuran 5% + Diafenthiuron 18% SC	Satisfactory
1424.	488365-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	Cartap Hydrochloride 75% SG	Satisfactory

1425.	488355-F/9(4)2026	9(4) - F	DIAMOND CROP SCIENCE	QUIZALOFOP ETHYL 10% EC	Satisfactory
1426.	488324-F/9(4)2026	9(4) - F	BR Agrotech Ltd	Hexythiazox 5.45% EC	Satisfactory
1427.	488323-F/9(4)2026	9(4) - F	BR Agrotech Ltd	Azoxystrobin 1.5% + Carbendazim 8.0% + Thiamethoxam 30% FS w/w	Satisfactory
1428.	488320-F/9(4)2026	9(4) - F	VIJAYALAXMI CROP SCIENCE	Lime Sulphur 22% SC	Satisfactory
1429.	488317-F/9(4)2026	9(4) - F	VIJAYALAXMI CROP SCIENCE	Emamectin Benzoate 5% SG	Satisfactory
1430.	486516-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	AZOXYSTROBIN 4.8% w/w + CHLOROTHALONIL 40.0% w/w SC	Satisfactory
1431.	486513-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory
1432.	486497-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	THIAMETHOXAM 1.0% + CHLORANTRANILIPROLE 0.5% GR	Satisfactory
1433.	486486-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Imazethapyr 10 % SL	Satisfactory
1434.	486449-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	Transfluthrin 0.15% Mosquito Coil	Satisfactory
1435.	486433-F/9(4)2026	9(4) - F	Ruchi Oyster Mushroom	TEBUCONAZOLE 38.39% SC	Satisfactory
1436.	482171-F/9(4)2026	9(4) - F	United Insecticides Private Limited	Topramezone 10 g/l + Atrazine 300 g/l SC	Satisfactory
1437.	482158-F/9(4)2026	9(4) - F	United Insecticides Private Limited	Chlorantraniliprole 0.53% + Fipronil 0.8% GR	Satisfactory
1438.	483691-F/9(4)2026	9(4) - F	United Insecticides Private Limited	SODIUM PARA-NITRO PHENOLATE 0.3 % SL	Satisfactory
1439.	482170-F/9(4)2026	9(4) - F	United Insecticides Private Limited	Nitenpyram 25% SP	Satisfactory
1440.	488184-F/9(4)2026	9(4) - F	MODESTO CROP PROTECTION PVT. LTD.	Metamifop 10% EC	Satisfactory
1441.	482159-F/9(4)2026	9(4) - F	United Insecticides Private Limited	Chlorantraniliprole 47.85% SC	Satisfactory
1442.	486946-F/9(4)2026	9(4) - F	Krusha Crop Science.	Carboxin 17.5% + Thiram 17.5% FF	Satisfactory
1443.	482160-F/9(4)2026	9(4) - F	United Insecticides Private Limited	Dimethomorph 12% + Pyraclostrobin 6.7% WG	Satisfactory
1444.	488138-F/9(4)2026	9(4) - F	G P ORGANIC	Sulphur 80% WDG	Satisfactory
1445.	488137-F/9(4)2026	9(4) - F	G P ORGANIC	Lime Sulphur 22% SC	Satisfactory
1446.	487789-F/9(4)2026	9(4) - F	M/s. P.J. Margo Pvt. Ltd.,	Neem Oil based - EC containing Azadirachtin 0.03% (300 PPM) w/w min. Botanical fungicide.	Satisfactory
1447.	488467-F/9(4)2026	9(4) - F	Agrocrest Chemicals Private Limited	PYMETROZINE 50% WG	Satisfactory
1448.	488464-F/9(4)2026	9(4) - F	Bengal Pesticides	Profenofos 40% + Cypermethrin 4%E.C.	Satisfactory
1449.	488298-F/9(4)2026	9(4) - F	ARBUDA AGROCHEMICALS LIMITED	D-TRANS ALLETHRIN 0.1% w/w + PERMETHRIN 0.03% w/w+ IMPROTHRIN 0.02% w/w AEROSOL	Satisfactory
1450.	482151-F/9(4)2026	9(4) - F	United Insecticides Private Limited	Cyazofamid 34.5% SC	
1451.	482970-F/9(4)2026	9(4) - F	Ravi Organics Limited	Mepiquat Chloride 5 % Aqueous Solution	Satisfactory
1452.	482971-F/9(4)2026	9(4) - F	Ravi Organics Limited	Spinetoram 11.7% SC	Satisfactory
1453.	482972-F/9(4)2026	9(4) - F	Ravi Organics Limited	Isoprothiolane 40 % EC	Satisfactory
1454.	482977-F/9(4)2026	9(4) - F	Ravi Organics Limited	Dinotefuran 70% WG	Satisfactory

1455.	482973- F/9(4)2026	9(4) - F	Ravi Organics Limited	Chlorfenapyr 10% Sc	Satisfactory
1456.	482979- F/9(4)2026	9(4) - F	Ravi Organics Limited	Dinotefuran 15% + Pymetrozine 45% WG	Satisfactory

9(4) Endorsement (Plant Pathology) RC no. 472

File No	Name of the Applicant	Name of the Product	Crop claimed by Applicant	Name of the Disease	RC	MRL status	Remarks
EN-55843	M/s Mankind Agritech Pvt. Ltd.	Mancozeb 75 % WP	Guava and Jowar	For label claim deletion	Gazette notification vide s.o. 4294 (E) dt. 29/09/2023 for deletion of label expansion.	NA	Approved
EN-57820	M/s INDOGULF CROP SCIENCES LTD.	Tebuconazole 50% + Trifloxystrobin 25% WG	Turmeric	leaf blotch and leaf spot	468th RC meeting agenda no. 9.14	MRL did not fixed yet as per available unit record	Approved
			Pomegranate	fruit and leaf spot disease	468th RC meeting agenda no. 9.122	MRL did not fixed yet as per available unit record	
			Chick pea	Alternaria blight/Alternaria spot disease	469th RC meeting agenda no. 9.1	MRL did not fixed yet as per available unit record	
EN-57918	M/s INDOGULF CROP SCIENCES LTD.	Thiophanate methyl 70% WP	Grape	Powdery mildew, Downy mildew and Anthracnose disease	451 st agenda no. 9.7	3.0 mg/kg	Approved

			Mango	Powdery Mildew – (Oidium mangiferae) & Anthracnose (Colletotrichum gloeosporioides)	469 th (agenda no. 9.14).	MRL did not fixed yet as per available unit record	
EN-57969	M/s INDOGULF CROP SCIENCES LTD.	Propiconazole 13.9% + Difenconazole 13.9% EC	Apple	Scab, premature leaf fall and powdery mildew disease	469 th (agenda no. 9.10).	Propiconazole-Difenconazole-0.01 mg/kg	Approved
EN-58119	M/s Congrats Agropack Pvt. Ltd.	Carbendazim 12% + Mancozeb 63% WP	Cotton	Alternaria leaf spot & grey mildew	435 th RC meeting agenda no. 9.28.	Carbendazim- 0.1 mg/kg Mancozeb- 0.5 mg/kg	
			Soybean	Alternaria leaf spot, Myrothecium leaf spot, pod & stem blight, Phomopsis longicola and other Phomopsis species		Carbendazim- 0.1 mg/kg Mancozeb- 0.5 mg/kg	
EN-55819	M/s Jaycee lifescience	Azoxystrobin 18.2% + Difenconazole 11.4% SC	Groundnut	Tikka leaf spot and Rust disease	442 nd RC meeting (Agenda item no. 9.59)	Azoxystrobin-0.2 mg/kg Difenconazole-0.01	Approved
			Black gram	Leaf spot and	442 nd RC meeting	Azoxystrobin-	

				Powdery mildew disease	(Agenda item no. 9.59)	Difenconazole-0.05 mg/kg	
			Soybean	Leaf spot and Rust diseases	442nd RC meeting (Agenda item no. 9.59)	Azoxystrobin-Difenconazole-0.05 mg/kg	
			Coffee	Rust diseases	453rd RC meeting vide agenda no. 9.51	Azoxystrobin-Difenconazole-	
			Banana	Yellow sigatoka disease	451st RC meeting vide agenda no. 9.69.	Azoxystrobin-Difenconazole-	
EN-58202	M/s Agrow Allied Ventures Pvt. Ltd.,	Fluopyram 17.7 % + Tebuconazole 17.7 % SC	Pomegranate	Leaf spot (Cercosporangium), Fruit spot and post-harvest disease	456th RC meeting vide agenda no. 9.12	Fluopyram-Tebuconazole-	Approved
			Cucumber	Powdery mildew	469th RC meeting vide agenda no. 9.2	Fluopyram- 0.5 mg/kg Tebuconazole- 0.5 mg/kg	
EN-58201	M/s Agrow Allied Ventures Pvt. Ltd.,	Tebuconazole 50% + Trifloxystrobin 25% WG	Banana	Sigatoka leaf spot	366th RC meeting Agenda item no 8.40	Tebuconazole-0.05 mg/kg Trifloxystrobin-0.1 mg/kg	Approved
			Apple	Premature leaf fall and powdery mildew	366th RC meeting Agenda item no 8.41	Tebuconazole-1.0 mg/kg Trifloxystrobin-0.7 mg/kg	

			Maize	leaf blight	367th RC meeting (agenda no. 8.10)	Tebuconazole-0.05 mg/kg Trifloxystrobin-0.1 mg/kg	
			Cabbage	Alternaria leaf blight & leaf spot	367th RC meeting (agenda no. 8.10)	Tebuconazole- 1.0 mg/kg Trifloxystrobin-0.1 mg/kg	
			Gherkin	Powdery mildew	374th RC meeting (agenda no. 8.31)	Tebuconazole- 1.0 mg/kg Trifloxystrobin-0.5 mg/kg	
			Soybean	Anthracnose	380th RC meeting (agenda no. 8.22)	Tebuconazole-0.15 mg/kg Trifloxystrobin-0.02 mg/kg	
			Groundnut	Tikka leaf spot disease	380th RC meeting (agenda no. 8.23)	Tebuconazole-0.15 mg/kg Trifloxystrobin-0.02 mg/kg	
			Tea	Blister blight	387th RC meeting (agenda no. 8.2)	Tebuconazole-15.0 mg/kg Trifloxystrobin-6.0 mg/kg	
			Black Gram	Cercospora leaf spot	387th RC meeting (agenda no. 8.8)	Tebuconazole-0.05mg/kg	

						Trifloxys trobin-0.05 mg/kg	
			Cowpea	Leaf spot and powdery mildew	413rd RC meeting (agenda no. 9.5)	Tebuconazole-Trifloxys trobin-0.05 mg/kg	
			Coffee	Rust Disease	436th RC meeting (agenda no. 9.11)	Tebuconazole-0.2 mg/kg Trifloxys trobin-	
			Onion	Purple blotch	436th RC meeting (agenda no. 9.11)	Tebuconazole-0.5 mg/kg Trifloxys trobin-	
			Okra	Powdery mildew	436th RC meeting (agenda no. 9.12)	Tebuconazole- 3.0 mg/kg Trifloxys trobin-1.0	Approved
			Cumin	Powdery mildew and Alternaria blight	436th RC meeting (agenda no. 9.13)	Tebuconazole-0.05 mg/kg Trifloxys trobin-10.0 mg/kg	
				Gummosis	446th RC meeting agenda no. 9.3	NA	
			Brinjal	Alternaria and Cercospora leaf spot	453rd RC meeting agenda no. 9.49	Tebuconazole-Trifloxys trobin-	
			Turmeric	Leaf blotch and leaf spot	468th RC meeting vide agenda no. 9.14	MRL did not fixed yet as per available	

						unit record	
			Pomegranate	Fruit and leaf spot disease	468th RC meeting vide agenda no. 9.122	MRL did not fixed yet as per available unit record -	
			Chick pea	Alternaria blight/Alternaria spot disease	469th RC meeting agenda no. 9.1	MRL did not fixed yet as per available unit record	
EN-58398	M/s Chemley Agritech Pvt. Ltd.	Tebuconazole 50% + Trifloxystrobin 25% WG	Banana	Sigatoka leaf spot	366th RC meeting Agenda item no 8.40	Tebuconazole-0.05 mg/kg Trifloxystrobin-0.1 mg/kg	Approved
			Apple	Premature leaf fall and powdery mildew	366th RC meeting Agenda item no 8.41	Tebuconazole-1.0 mg/kg Trifloxystrobin-0.7 mg/kg	
			Cabbage	Alternaria leaf blight & leaf spot	367th RC meeting (agenda no. 8.10)	Tebuconazole- 1.0 mg/kg Trifloxystrobin-0.1 mg/kg	
			Gherkin	Powdery mildew	374th RC meeting (agenda no. 8.31)	Tebuconazole- 1.0 mg/kg Trifloxystrobin-0.5 mg/kg	
			Groundnut	Tikka leaf spot disease	380th RC meeting(agenda no. 8.23	Tebuconazole-0.15 mg/kg Trifloxystrobin-	

						0.02 mg/kg	
			Tea	Blister blight	387th RC meeting (agenda no. 8.2	Tebucona zole- 15.0 mg/kg Trifloxys trobin-6.0 mg kg	
			Black Gram	Cercospo ra leaf spot	387th RC meeting (agenda no. 8.8	Tebucona zole- 0.05mg/k g Trifloxys trobin- 0.05 mg/kg	
			Coffee	Rust Disease	436th RC meeting (agenda no. 9.11)	Tebucona zole- 0.2 mg/kg Trifloxys trobin-	
			Onion	Purple blotch	436th RC meeting (agenda no. 9.11)	Tebucona zole-0.5 mg/kg Trifloxys trobin-	
			Okra	Powdery mildew	436th RC meeting (agenda no. 9.12	Tebucona zole- 3.0 mg/kg Trifloxys trobin- 1.0	
			Cumin	Powdery mildew and Alternari a blight	436th RC meeting (agenda no. 9.13	Tebucona zole-0.05 mg/kg Trifloxys trobin- 10.0 mg/kg	
EN- 58586	M/s Ichiban Crop Science Limited	Azoxystrobin 11.5% + Mancozeb 30% w/w WP	Grapes	Downy mildew disease	455th RC meeting vides agenda no. 9.84	Azoxystrobin- Mancozeb- 5.0 mg/kg	

EN-58607	M/s Mankind Agritech Pvt. Ltd.	Azoxystrobin 18.2% + Difenconazole 11.4% SC	Banana	Yellow sigatoka disease	451st RC agenda no. 9.69	Azoxystrobin-Difenconazole-	Approved
			Coffee	Rust disease	453rd RC agenda no. 9.51	Azoxystrobin-Difenconazole-	
			Cotton	Leaf spot and grey mildew diseases	456th RC meeting vides agenda no. 9.15	Azoxystrobin-Difenconazole-	
EN-58677	M/s Karapur Agro Private Limited	Myclobutanil 10% WP	Cotton	Alternaria blight and Grey mildew diseases	450th RC meeting vides agenda no. 9.74.	Not available	Approved
EN-58672	M/s Karapur Agro Private Limited	Azoxystrobin 11% + Tebuconazole 18.3% SC	Chilli	Fruit rot, powdery mildew and dieback Disease through Drone application	450th RC vides agenda item no. 9.66.	Azoxystrobin- 1.0 mg/kg Tebuconazole- 2.5 mg/kg	Approved
EN-58682	M/s Karapur Agro Private Limited	Validamycin 3% L	Rice	Sheath blight disease through Drone application	454th RC vides agenda item no. 9.15.	Validamycin	Approved
EN-58768	M/s Bharat Certis AgriScience Ltd.	Mancozeb 75 % WP	Guava and Jowar	For Label claim deletion	Gazette notification of ministry of agriculture and farmers welfare (DA&FW) vides s.o. 4294 (E) dt. 29/09/2023.	NA	Approved

EN-58602	M/s INDOGULF CROP SCIENCES LTD.	Tebuconazole 10%+Sulphur 65% WG	Wheat	Powdery Mildew (<i>Erysiphe graminis tritici</i>), Leaf Blight (<i>Alternaria trititica</i>) and leaf as well as stem Rust (<i>Puccinia spp.</i>) diseases	470th RC meeting vide agenda no. 9.97.	Tebuconazole-0.05 mg/kg	Approved
EN-58972	M/s Ichiban Crop Science Limited	Azoxystrobin 18.2% + Difenconazole 11.4% SC	Soybean	Rust diseases	442nd RC meeting vide agenda item no. 9.59	Azoxystrobin-0.5 mg/kg Difenconazole-0.01 mg/kg	
			Coffee	Rust diseases	453rd RC meeting vide agenda no. 9.5	Azoxystrobin-mg/kg Difenconazole-mg/kg	
			Banana	Yellow sigatoka disease,	451st RC meeting vide agenda no. 9.69	Azoxystrobin-mg/kg Difenconazole-mg/kg	
			Cotton	Leaf spot and grey mildew drone application	456 th RC meeting vide agenda no. 9.15	Azoxystrobin-0.05 mg/kg Difenconazole-0.05 mg/kg	
			Sugarcane	Red rot, smut & rust	456 th RC meeting vide	Azoxystrobin-mg/kg	

				diseases through drone application	agenda no. 9.15	Difenoco nazole-0.02 mg/kg	
			Soybean	Rust diseases through drone application	456th RC meeting vide agenda no. 9.22	Azoxystrobin-1.0 mg/kg Difenoco nazole-0.1 mg/kg	
			Chilli	Anthraco nose and powdery mildew drone application	454 th RC meeting vide agenda no. 9.17	Azoxystrobin-1.0 mg/kg Difenoco nazole-0.01mg/kg	
			Paddy	Blast & Sheath blight disease through drone application	454 th RC meeting vide agenda no. 9.17	Azoxystrobin-0.03 mg/kg Difenoco nazole-0.01 mg/kg	
EN-58974	M/s Ichiban Crop Science Limited	Boscalid 25.2% + Pyraclostrobin 12.8% WG	Tomato	Septoria Leaf spot	384th RC meeting vide agenda no. 8.1.	Boscalid-Pyraclostrobin-	Approved

Subject: Consideration of applications of Herbicides / PGR received for grant of registration for label claim expansion under section 9(4) - Endorsement category of the Insecticide Act, 1968.

S. No.	C.S.N.	Company Name	Product Name	Already Approved Crops	Claim for Endorsement	MRL status	Remarks
1	EN-58597	M/s Indogulf Crop Sciences Ltd.	Topramezone 336 g/l (w/v) SC	Maize	Maize, through drone	MRL: Fixed MUP: Present	Case is complete from Bio-efficacy angle (References: 470 RC vide agenda item No 9.107)

2	EN-58598	M/s Indogulf Crop Sciences Ltd.	Topramezone 10 g/l+ Atrazine 300 g/l SC	Maize and Sugarcane.	Maize and Sugarcane . Through drone	MRL: Fixed MUP: Present	Case is complete from Bio-efficacy angle (References: 470 RC vide agenda item No 9.106)
3	EN-58618	M/s Indogulf Crop Sciences Ltd.	Halosulfuron methyl 12% + Metribuzin 55% WG	Sugarcane.	Sugarcane . Through drone	MRL: Fixed MUP: Present	Case is complete from Bio-efficacy angle (References: 470 RC vide agenda item No 9.108)
4	EN-58831	M/s Willowood Chemicals Limited	Tembotrione 34.4% w/w SC	Maize,	Sugarcane.,	MRL: Fixed MUP: Present	Case is complete from Bio-efficacy angle (References: 463RC vide agenda item No 9.27)
5	EN-58835	M/s Willowood Chemicals Limited	Pendimethalin 38.7 % CS	Cotton, Onion, Chilli, Soybean	Groundnut, cumin, Mustard, and chick pea.	MRL: Fixed MUP: Present	Case is complete from Bio-efficacy angle (References: 470 RC , 456 RC vide agenda item No 9..93 and 407 RC vide agenda item No 9.22)
6	EN-58834	M/s Willowood Chemicals Limited	Propaquizafop 10 % w/w EC	Black gram, Onion, Soybean	Jute, Tea, Cotton, Groundnut , Tomato, Chilli, Chick pea, Sesamum, Cluster bean.	MRL: Fixed MUP: Present	Case is complete from Bio-efficacy angle (References: 393 RC,vide agenda item No 8.13 and 399 RC vide agenda item No 8.1

Annexure-9.105.1

Subject: Consideration of applications of Herbicides / PGR received for grant of registration for label claim expansion under section 9(4) - Endorsement category of the Insecticide Act, 1968.

S. No.	C.S.N.	Company Name	Product Name	Already Approved Crops	Claim for Endorsement	MRL status	Remarks
1	EN-58816	M/s Iffco MC Crop Science Private Limited	Paclobutrazole 23% SC	Mango	Cotton, Pomgranate, Groundnut, Apple	MRL: Fixed MUP: Present	Case is complete from Bio-efficacy angle (References: RC 462,, RC 404,vide agenda item No9.46 and 416 RC vide agenda item No 9.14 and 416 RC vide agenda item No 9.14 and 427 RC vide agenda item No 9.50)

Annexure-9.106.1

Subject: Consideration of applications of Herbicides / PGR received for grant of registration for label deletion expansion under section 9(4) - Endorsement category of the Insecticide Act, 1968.

S. No.	C.S.N.	Company Name	Product Name	Already Approved Crops	Claim for Endorsement	MRL status	Remarks
1	EN-58769	M/s Bharat Certis Agriscience Limited	Oxyfluorfen 23.5% EC	Rice (Direct shown as per emergence), Groundnut,	Deletion crop: Groundnut	MRL: Fixed	For Deletion of Groundnut and Potato crops in the Label and Leaflet vide Gazette Notification No. S.O. 4294(E) dated 29.09.2023 issued by Government of India
2	EN-58477	M/s Jivagro Limited	Oxyfluorfen 23.5% EC	Rice (Direct shown puddled or Transplanted), Groundnut, Tea, Onion, Potato	Deletion crop: Groundnut and Potato	MRL: Fixed	For Deletion of Groundnut and Potato crops in the Label and Leaflet vide Gazette Notification No. S.O. 4294(E) dated 29.09.2023 issued by Government of India

Annexure : 9.118.1

Application of 9(4) Endorsements for approval (472th RC)

Sr. No	File No.	Applicant Name	Product name	Old Crops	Crop to be added	RC Reference	MRL
1.	EN-58603	Mankind Agritech Private Ltd.	Acetamiprid 20% SP	Cabbage, chilli, cotton, okra, rice	Tea: Tea mosquito Bug (Helopeltis theivora) Cotton: Whiteflies, jassids. Aphids (through drone)	468, 454	Fixed
2.	EN-58606	HPM Chemicals & Fertilizers Ltd.	Profenofos 40% + Cypermethrin 4% EC	cotton	Sugarcane : Early shoot borer	448	Fixed
3.	EN-58474	Synectics Bioeciences	Imidacloprid 21% w/w + Betacyfluthrin 10.5% w/w SC	American Cockroach and German Cockroach	Adult mosquitoes (Aedes sp, Anopheles sp, and Culex sp) under house hold category.	461	fixed
4.	EN-58470	Willowood Chemicals Limited	Chlorantraniliprole 18.5 % SC	Pigeon pea, Black gram, Cotton, bittergourd, sugarcane, Bengal gram, tomato, Rice, cabbage, Brinjal, Okra, Chilli, Soybean	Groundnut: Tobacco caterpillar (Spodoptera litura) Maize: Spotted stem borer (Chilo partellus), Pink Stem borer (Sesamia inferens) Green Gram: Pod borers (Helicoverpa armigera, Spodoptera litura and Maruca testulalis)	464 & MUP	Fixed
5.	EN-49859	Insecticides (India) Limited	Thiamethoxam 75%	Groundnut, sugarcane, paddy, cotton	Banana: Rhizome weevil, Pseudo stem borer, Aphids	447	Fixed
6.	EN-49769	Insecticides (India) Limited	Thiamethoxam 12.6' + Lambda Cyhalothrin 9.50h ZC	cotton	Tea: Mosquito bug, Thrips & Semilooper Tomato: Thrips, Whiteflies & Fruit borer) Maize: Aphids, Shoot fly & Stem borer	443	Fixed

					Chilli: Thrips & fruit borer) Groundnut: Leaf hoppers, Leaf eating Caterpillars) Soybean: Stem fly, Semilooper & Girdle beetle Citrus: Psyllids, Thrips and Leaf miner)		
7.	EN-51687	ES Discovery India Pvt. Ltd.	Pyriproxyfen 0.5% GR	Larve of mosquito vector	Household:houseflies	388	Fixed
8.	EN-57825	Sumitomo Chemicals India Ltd.	Profenofos 40% + Cypermethrin 4% EC	cotton	Sugarcane: Early shoot borer(Chilo infuscatellus)	448	fixed
9.	EN-58133	Meghmani Organics Limited	Tolfenpyrad 15% EC	Cabbage, Chilli, Cotton, Cumin, Mango, Okra, Cotton	Pomegranate:Thrips	423 & MUP	Fixed
10.	EN-58671	Karapur Agro Private Ltd.	Abamectin 1.9% EC	Rose	Brinjal: Red Spider (Tetranychusurticae) Mite Grapes: Mites Tomato: Red spider mite (Tetranychusurticae) and Leaf miner (Liriomyzatrifolii) Apple: European Red mite and Spotted red spider mites	434, 462 & MuP	Fixed
11.	EN-58673	Karapur Agro Private Ltd.	Chlorpyrifos 50% +Cypermethrin 5%	Cotton,Rice	Onion: Brinjal: Shoot & Fruit Borer Cabbage: Diamond Back Moth Okra: Fruit borer (<i>Earias vitella</i>)	408, 435, 437	Fixed

12.	EN-58674	Karapur Agro Private Ltd.	Emamectin Benzoate 1.9% EC	cotton	Tomato: Fruit borer (Helicoverpaarmigera)	388	MRL fixed
13.	EN-58675	Karapur Agro Private Ltd.	Fipronil 40% + Imidacloprid 40% WG	Groundnut , sugarcane	Chilli: Thrips(Scirtothrips dorsalis) Fruit borer (Heliothisarmigera) Rice: Yellow stem borer(Scripophagaimncertuls), leaf folder(Cnaphalocrosismedinalis), Brown Plant hopper(Nilparvatavirescens) Cotton: jassids and Thrips	436, 437	MRL fixed
14.	EN-58781	Karapur Agro Private Ltd.	Tolfenpyrad 15% EC	Cabbage, Chilli, Cotton, Cumin, Mango, Okra , Cotton	Pomegranate:Thrips	423 & MUP	Fixed
15.	EN-58780	Karapur Agro Private Ltd.	Profenofos 40% + Cypermethrin 4% EC	cotton	Sugarcane: Early shoot borer(Chiloinfuscatellus)	448	Fixed
16.	EN-58779	Karapur Agro Private Ltd.	Emamectin Benzoate 5% SG	Brinjal, cabbage, chick pea, Chilli, Cotton, Grapes, Okra, Redgram, Tea	Chilli & Cotton Through drone	455	Fixed
17.	EN-58703	HPM Chemicals & Fertilizers Ltd.	Emamectin Benzoate 1.9% EC	cotton	Paddy:Leaf Folder & Hispa Soybean: Green semilooper, Pod borer, girdle beetle, and tobacco caterpillar	393 & MUP	Fixed

18.	EN-58678	Karapur Agro Private Ltd.	Novaluron 5.25 % +Emamectin Benzoate 0.9% w/w SC	Cabbage, Red gram, Chilli, Rice	Brinjal: Shoot and Fruit Borer Chickpea: pod borer Maize: Fall Army Worm and Stem borer	434, 437 & MUP	Fixed
19.	EN-58680	Karapur Agro Private Ltd.	Thiamethoxam 30% FS	Cotton, wheat, sorghum, Rice, Okra, Maize, Chilli, Sun flower, Soybean	Cotton: Aphids, Jassids, Thrips and White fly Groundnut: Aphids, Jassids, Thrips Maize: Aphids & shoot fly Soybean: Jassids, Stem fly, Girdle beetle and whitefly.	468 & MUP	Fixed
20.	EN-58710	Congrats Agrpack Pvt. Ltd.	Cypermethrin 10% +Indoxacarb 10 % W/w SC	cotton	Rice: Rice StemBorer (Scirpophaga incertulas Walker) and Rice Leaf Folder (Cnaphalocrosis medinalis Guen)	MUP	Fixed

Annexure : 9.118.1

Application of 9(4) Endorsements for approval (472th RC)

Sr. No	File No.	Applicant Name	Product name	Old Crops	Crop to be added	RC Reference	MRL
1.	EN-58603	Mankind Agritech Private Ltd.	Acetamiprid 20% SP	Cabbage, chilli, cotton, okra, rice	Tea: Tea mosquito Bug (Helopeltis theivora) Cotton: Whiteflies, jassids. Aphids (through drone)	468, 454	Fixed
2.	EN-58606	HPM Chemicals & Fertilizers Ltd.	Profenofos 40% + Cypermethrin 4% EC	cotton	Sugarcane : Early shoot borer	448	Fixed
3.	EN-58474	Synectics Biochemicals	Imidacloprid 21% w/w + Beta-cyfluthrin 10.5% w/w SC	American Cockroach and German Cockroach	Adult mosquitoes (Aedes sp, Anopheles sp, and Culex sp) under house hold category.	461	fixed
4.	EN-58470	Willowood Chemicals Limited	Chlorantraniliprole 18.5% SC	Pigeon pea, Black gram, Cotton, bitter melon, sugarcane, Bengal gram, tomato, Rice, cabbage, Brinjal, Okra, Chilli, Soybean	Groundnut: Tobacco caterpillar (Spodoptera litura) Maize: Spotted stem borer (Chilo partellus), Pink Stem borer (Sesamia inferens) Green Gram: Pod borers (Helicoverpa armigera, Spodoptera litura and Maruca testulalis)	464 & MUP	Fixed
5.	EN-49859	Insecticides (India) Limited	Thiamethoxam 75%	Groundnut, sugarcane, paddy, cotton	Banana: Rhizome weevil, Pseudo stem borer, Aphids	447	Fixed
6.	EN-49769	Insecticides (India) Limited	Thiamethoxam 12.6% + Lambda	cotton	Tea: Mosquito bug, Thrips & Semilooper	443	Fixed

			Cyhalothrin 9.50h ZC		Tomato: Thrips, Whiteflies & Fruit borer) Maize: Aphids, Shoot fly & Stem borer Chilli: Thrips & fruit borer) Groundnut: Leaf hoppers, Leaf eating Caterpillars) Soybean: Stem fly, Semilooper & Girdle beetle Citrus: Psyllids, Thrips and Leaf miner)		
7.	EN-51687	ES Discovery India Pvt. Ltd.	Pyriproxyfen 0.5% GR	Larve of mosquito vector	Household:houseflies	388	Fixed
8.	EN-57825	Sumitomo Chemicals India Ltd.	Profenofos 40% + Cypermethrin 4% EC	cotton	Sugarcane: Early shoot borer(Chilo infuscatellus)	448	fixed
9.	EN-58133	Meghmani Organics Limited	Tolfenpyrad 15% EC	Cabbage, Chilli, Cotton, Cumin, Mango, Okra, Cotton	Pomegranate:Thrips	423 & MUP	Fixed
10.	EN-58671	Karapur Agro Private Ltd.	Abamectin 1.9% EC	Rose	Brinjal: Red Spider (Tetranychusurticae) Mite Grapes: Mites Tomato: Red spider mite (Tetranychusurticae) and Leaf miner (Liriomyza trifolii) Apple: European Red mite and Spotted red spider mites	434, 462 & MuP	Fixed
11.	EN-58673	Karapur Agro	Chlorpyrifos 50%	Cotton,Rice	Onion: Brinjal: Shoot & Fruit Borer	408, 435, 437	Fixed

		Private Ltd.	+Cypermethr in 5%		Cabbage: Diamond Back Moth Okra: Fruit borer (<i>Earias vitella</i>)		
12.	EN-58674	Karapur Agro Private Ltd.	Emamectin Benzoate 1.9% EC	cotton	Tomato: Fruit borer (<i>Helicoverpaarmiger a</i>)	388	MRL fixed
13.	EN-58675	Karapur Agro Private Ltd.	Fipronil 40% + Imidacloprid 40% WG	Groundnut , sugarcane	Chilli: Thrips(<i>Scritothrips dorsalis</i>) Fruit borer (<i>Heliothisarmigera</i>) Rice: Yellow stem borer (<i>Scripophagai ncertuls</i>), leaf folder (<i>Cnaphalocrosismed inalis</i>), Brown Plant hopper (<i>Nilparvatavirescens</i>) Cotton: jassids and Thrips	436, 437	MRL fixed
14.	EN-58781	Karapur Agro Private Ltd.	Tolfenpyrad 15% EC	Cabbage, Chilli, Cotton, Cumin, Mango, Okra , Cotton	Pomegranate:Thrips	423 & MUP	Fixed
15.	EN-58780	Karapur Agro Private Ltd.	Profenofos 40% + Cypermethrin 4% EC	cotton	Sugarcane: Early shoot borer(<i>Chiloinfuscatellus</i>)	448	Fixed
16.	EN-58779	Karapur Agro Private Ltd.	Emamectin Benzoate 5% SG	Brinjal, cabbage, chick pea, Chilli, Cotton, Grapes, Okra, Redgram, Tea	Chilli & Cotton Through drone	455	Fixed
17.	EN-58703	HPM Chemicals &	Emamectin Benzoate 1.9% EC	cotton	Paddy:Leaf Folder & Hispa	393 & MUP	Fixed

		Fertilizers Ltd.			Soybean: Green semilooper, Pod borer, girdle beetle, and tobacco caterpillar		
18.	EN-58678	Karapur Agro Private Ltd.	Novaluron 5.25 % +Emamectin Benzoate 0.9% w/w SC	Cabbage, Red gram, Chilli, Rice	Brinjal: Shoot and Fruit Borer Chickpea: pod borer Maize: Fall Army Worm and Stem borer	434, 437 & MUP	Fixed
19.	EN-58680	Karapur Agro Private Ltd.	Thiamethoxam 30% FS	Cotton, wheat, sorghum, Rice, Okra, Maize, Chilli, Sun flower, Soybean	Cotton: Aphids, Jassids, Thrips and White fly Groundnut: Aphids, Jassids, Thrips Maize: Aphids & shoot fly Soybean: Jassids, Stem fly, Girdle beetle and whitefly.	468 & MUP	Fixed
20.	EN-58710	Congrats Agrpack Pvt. Ltd.	Cypermethrin 10% +Indoxacarb 10 % W/w SC	cotton	Rice: Rice StemBorer (Scirpophaga incertulas Walker) and Rice Leaf Folder (Cnaphalocrosis medinalis Guen)	MUP	Fixed

Applications for the Deletion of Crops (Insecticides) for approval

Sr. no.	Applic ation No.	Molecule	Crops to be deleted	Company name	Certificate no.
1.	EN-58766	Dimethoate 30%	Label deletion of Fruits and vegetables that are consumed as raw	Bharat Certis Agri science Ltd.	CIR- 1125/83/Dimethoate(EC)- 184
2.	EN-58767	Malathion 50% EC	Sorghum, Pea, Soyabean, Castor, Sunflower, Bhindi, Brinjal, Cauliflower, Radish, Turnip, Tomato, Apple Mango, Grapes	Bharat Certis Agri science Ltd.	CIR-104203/2013- Malathion(EC)(334)-2
3.	EN-58772	Quinalphos 25% EC	Jute , Cardamom and Sorghum	Bharat Certis Agri science Ltd.	CIR- 7751/88/Quinalphos(EC)- 321
4.	EN-58491	Chlorpyriphos 20% EC	Ber,Citrus and Tobacco	Jivagro Limited	CIR- 13883/92/Chlorpyriphos(E C)301
5.	EN-58518	Dimethoate 30%	Label deletion of Fruits and vegetables that are consumed as raw	Jivagro Limited	CIR- 9216/89/Dimethoate(EC)- 422
6.	EN-58471	Quinalphos 25% EC	Jute , Cardamom and Sorghum	HPM Chemicals & Fertilizers Ltd.	CIR- 2072/83/Quinalphos/(EC)- 160
7.	EN-57463	Chlorpyriphos 20% EC	Ber,Citrus and Tobacco	FIL Industries Private Limited	CIR-17743/93- Chlorpyriphos(EC)-457
1.	EN-47392	Malathion	Sorghum, Pea, Soyabean, Castor, Sunflower, Bhindi, Brinjal, Cauliflowe r, Radish, Turnip, Tomato, Apple Mango, Grapes	HIL(India) Ltd.	CIR- 809/82/Malathion(EC)-949

2.	EN-47391	Chloropyriphos	Ber,Citrus and Tobacco	HIL(India) Ltd.	CIR-9317/89-Chloropyriphos(EC)-231
3.	EN-48828	Monocrotophos 36% SL	---	Jai Farm Chemicals Pvt. Ltd.	As per Gz notification this chemical is discontinued.
4.	EN-169870	Monocrotophos 36% SL	---	Best Agrolife Limited	As per Gz notification this chemical is discontinued.
5.	EN-47356	Malathion	Sorghum, Pea, Soyabean, Castor, Sunflower, Bhindi, Brinjal, Cauliflower, Radish, Turnip, Tomato, Apple Mango, Grapes	Scientific Fertilizer Company Ltd.,	CIR-160/80/Malathion (EC) 906
6.	EN-47342	Malathion	Sorghum, Pea, Soyabean, Castor, Sunflower, Bhindi, Brinjal, Cauliflower, Radish, Turnip, Tomato, Apple Mango, Grapes	Scientific Fertilizer Company Ltd.,	CIR-159/80/Malathion (EC) 907
7.	EN-47356	Malathion	Sorghum, Pea, Soyabean, Castor, Sunflower, Bhindi, Brinjal, Cauliflower, Radish, Turnip, Tomato, Apple Mango, Grapes	Scientific Fertilizer Company Ltd.,	CIR-160/80/Malathion (EC) 906

Annexure-9.147.1

List of Packaging endorsement of alternate/additional packaging

S. N.	File No/ Name of Company	Name of Product/ Certificate No.	Endorsement Required	RC reference
1.	EN-58543	Flonicamid 18% + Spirotetramat 13.5% SC u/s 9(4) CIR-363387/2026 - Flonicamid +	Endorsement of additional packaging in HDPE bottle of capacity 50ml and 220ml, enclosed in mono carton and further inserted in 5-ply CFB box and bulk packing in 200L and 1000L HDPE container.	The requested packing has already been approved by RC in its 470 th meeting vide agenda item no 9.148 in

	M/s. Bayer CropScience Limited	Spirotetramat (SC) (469) - 1		favour of M/s. Crystal Crop Protection Ltd.
2.	EN-58295 M/s. NACL Industries Limited	Mesotrione 2.27% + Atrazine 22.7% w/w SC u/s 9(4) CIR-361700/2026 - Mesotrione + Atrazine (SC) (468) - 353	Endorsement of additional primary packaging in HDPE containers of capacity 140 ml & 350 ml and additional transport packing of 5-ply CFB boxes of capacity 7 litres conforming to IS: 2771-1990 (Part-I) for Mesotrione 2.27% + Atrazine 22.7% w/w SC	The requested packings have been approved by RC in its (i) 456 th meeting vide agenda item no 9.85 in favour of M/s. Syngenta India Ltd and (ii) 463 rd meeting vide agenda item no. 9.13 in favour of M/s. Parijat Industries (India) Pvt Ltd
3.	EN-58269 M/s. Indogulf Crop Sciences Limited	Hexaconazole 5% SC u/s 9(4) CIR-57,919/2007 - Hexaconazole (SC) (279) - 456	Endorsement of additional packing in HDPE container in 1.25 Litres and 2.5 Litres capacity and alternate bulk packing in HDPE drum of capacity 200 litres as a primary and transport packing for Hexaconazole 5% SC.	The requested packings have been approved by RC in its (i) 271 st meeting vide agenda item no 8.4 in favour of M/s. Rallis India Ltd and (ii) 468 th meeting vide agenda item no. 9.119 (Annexure-9.119.1, SL. No. 32) in favour of M/s. Dharmaj Crop Guard Limited.
4.	EN-58262 M/s. ISK Biosciences India Pvt. Ltd	Cyclaniliprole 9.3% w/w DC (Cyclaniliprole 10.0%DC w/v) u/s 9(3) CIR-17636/2023 - Cyclaniliprole (DC) (443)	Endorsement of the additional bulk packing of 1000 Liter in HM-HDPE Intermediate Bulk container (IBC) as a primary/transport packing conforming to IS : 8190 (Part-II)-1988 for Cyclaniliprole 9.3% w/w DC (Cyclaniliprole 10.0% DC w/v).	The requested packing has already been approved by RC in its 467 th meeting vide agenda item no 9.62 in favour of M/s. Rallis India Ltd.
5.	EN-58244 M/s. Crystal Crop Protection Ltd	Thiacloprid Technical 97% w/w u/s 9(4) CIR-195509/2021 - Thiacloprid (Technical) (434) - 7	Endorsement of Polyethylene cross bottom bag of capacity 20 kg and FIBC container of capacity 500 kg for Thiacloprid Technical for import instead of FIBC container of capacity 400 kg.	The requested packing has already been approved by RC in its 362 nd meeting vide agenda item no 8.11 in favour of M/s. Bayer Crop Science Ltd.
6.	EN-58254 M/s. SML Limited	Imidacloprid Technical 97% w/w min. u/s 9(4) CIR-334907/2023 - Imidacloprid (Technical) (447) - 3	Endorsement of additional packing in plastic liner (PE) of capacity 25 Kg as a primary packing and plastic woven sack of same capacity as a transport packaging which shall be as per IMDG UN. No 3077, hazard class 9 and Packaging Group III for Imidacloprid Technical 97% w/w min.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, SL. no. 3) in favour of M/s. UPL Limited.
7.	EN-58247 M/s. Indogulf Crop Sciences Limited	Atrazine 50% WP u/s 9(4) CIR-25,661/97/Atrazine (WP) - 153	Endorsement of additional packing in HDPE bag of capacity 25 kg conforming to 8069-1989 as a transport packing with LDPE liner of capacity 25 kg as a primary packing for packing of Atrazine 50% WP.	The requested packing has already been approved by RC in its 462 nd meeting vide agenda item no 9.75 (Annexure-9.75.1, SL. no. 109) in favour of M/s.

				Agro Life Science Corporation.
8.	EN-58124 M/s. Indogulf Crop Sciences Limited	Cartap Hydrochloride 50% SP u/s 9(4) CIR-52,025/2005- Cartap Hydrochloride (SP) (257) - 714	Endorsement of additional packing in trilaminated pouch (75 micron LDPE / 12 micron METPET / 12 micron PET) of capacity 25 gm, 50 gm, 100 gm, 250 gm, 500 gm and 1 kg which shall be further packed in CFB boxes of capacity 10 kg and 50 kg as per IS 2771 (Part-I) 1990 as transport packaging for packing of Cartap Hydrochloride 50% SP.	The requested packing has already been approved by RC in its 440 th meeting vide agenda item no 9.89 (Annexure-9.89.1, SL. No. 129) in favour of M/s. Biostadt India Limited.
9.	EN-58246 M/s. Indogulf Crop Sciences Limited	2,4-D Amine Salt 58% SL u/s 9(4) CIR-51,930/2005 - 2,4-D Amine Salt (SL) (256) - 1040	Endorsement of additional packing of capacity 2.5 litres in HDPE container for packing of 2,4-D Amine Salt 58% SL.	The requested packing has already been approved by RC in its 351 st meeting vide agenda item no 8.3 in favour of M/s. Dhanuka Agritech Ltd.
10.	EN-58227 M/s. Indogulf Crop Sciences Limited	Pymetrozine 50% WG u/s 9(4) CIR-189904/2021 - Pymetrozine (WG) (430) - 43	Endorsement of bulk packaging in open head drum (paper drum) of capacity 100 litres (product 45 kg) and plastic bag of capacity with 150 litres (product 55 kg) for packing of Pymetrozine 50% WG.	The requested packing has already been approved by RC in its 453 rd meeting vide agenda item no 9.91 (Annexure-9.91.1, SL. No. 13) in favour of M/s. Saraswati Agro Chemicals (India) Private Limited.
11.	EN-58225 M/s. Indogulf Crop Sciences Limited	Propargite 57% EC u/s 9(4) CIR-123918/2015 - Propargite (EC) (353) - 73	Endorsement of bigger size packaging of 10 Litre, 20 Litre capacity Aluminium drums; Endorsement of new packaging of 25 litres & 50 litres in mild steel lacquered drums as per IS: 2552-1989. During transport M. S. drum shall be caged in wooden cases as per IS: 1503-1980; Endorsement for alternate packing of Propargite 57% EC for repacking in Co-Ex HDPE Container with Capacity 100 ml, 250 ml, 500 ml, 1000 ml and 5000 ml and 5-ply CFB box conforming to IS:2771 (1): 1991 as a transport packing; and Endorsement for additional packing in PET bottles of capacity 100 ml, 250 ml, 500 ml, 1 liter, and 5 liters conforming to IS:13123: 2000 as primary packing and CFB box as transport packing.	The requested packings have already been approved by RC in its (i) 264 th meeting vide agenda item no 8.2 in favour of M/s. PI Industries, (ii) 331 st meeting vide agenda item no. 8.1 in favour of M/s. Northern Minerals Ltd, (iii) 428 th meeting vide agenda item no. 9.42 in favour of M/s. PI Industries Limited and (iv) 429 th meeting vide agenda item no. 9.14 (Annexure-9.14.1, SL. No. 15) in favour of M/s. IFFCO-MC Crop Science Private Limited.
12.	EN-58248	Metribuzin 70% WP u/s 9(4)	Endorsement for additional packing of 100 gm, 250 gm, 500 gm capacity in Tri-laminated pouch (PET 12 micron/ metalized polyester 12 micron/ LDPE 50	The requested packings have already been approved by RC in its (i) 428 th meeting vide

	M/s. Indogulf Crop Sciences Limited	CIR-33,963/2000 - Metribuzin (WP) - 44	micron) further packed in 5-ply CFB boxes of capacity 20 kg as a transport packing; and Endorsement of additional packing in HDPE bag of capacity 20 kg as a transport packing conforming to IS: 8069 (part 2) 1981 with inner LDPE liner of minimum thickness 0.125 mm as a primary packing.	agenda item no 9.60 (Annexure-9.60.1, Sl. No. 45) in favour of M/s. NACL Industries Limited and (ii) 463 rd meeting vide agenda item no. 9.22 (Annexure-9.22.1, Sl. No. 7) in favour of M/s. Agro Life Science Corporation.
13.	EN-58251 M/s. Indogulf Crop Sciences Limited	Tebuconazole 10% + Sulphur 65% WG u/s 9(4) CIR-156208/2018 - Tebuconazole + Sulphur (WG) (393) - 812	Endorsement of additional packing in HDPE bottles of 100 gm capacity as per IS 9754-1981 which shall be further packed in 5-ply CFB boxes of capacity 5 kg as per IS 2771 (Pt-I) as transport packing. Manner of Packing: Primary Packing: The product shall be packed in HDPE bottles of capacity 100 g conforming to IS:9754-1981. Secondary Packing: There will be no secondary packing. Transport Packing: 5 ply CFB boxes of capacity 5 kg conforming to IS 2771 (Part-I) 1990 shall be the transport packing [50 nos x 100 g]; and Endorsement of additional packaging in HDPE bottle of 100 gm, 5kg capacity as per IS 9754- 1981 which shall be further packed in 5-ply CFB boxes of capacity 5 kg.	The requested packings have already been approved by RC in its (i) 405 th meeting vide agenda item no 9.27 in favour of M/s. Sumitomo India Chemical Ltd and (ii) 442 nd meeting vide agenda item no. 9.67 (Annexure-9.67.1, Sl. No. 43) in favour of M/s. Nakasa Crop Science Pvt Limited.
14.	EN-58253 M/s. Indogulf Crop Sciences Limited	Thiamethoxam 30% FS u/s 9(4) CIR-101984/2012 - Thiamethoxam (FS) (327) - 1	Endorsement of small pack size (5 ml & 10 ml) Thiamethoxam 30% FS; Endorsement for new/alternate packing of capacity 20 liters in HDPE container (bucket) and 5-ply Corrugated Fiber Board (CFB) Box as a transport packing conforming to IS: 2771 (1): 1990 of Thiamethoxam 30% FS; Endorsement of additional packaging of Thiamethoxam 30% FS of capacity 1 and 5 litre in Aluminium/HDPE/PET containers as primary packing and CFB boxes of capacity 10 litres as transport packing; Endorsement of additional bulk packing in HDPE drum of capacity 200 litres as a primary and transport packing. Container shall be closed with HDPE plugs to make is leak proof and pilfer proof; and Endorsement of additional packing in HDPE container of capacity 50 ml, 100 ml and 250 ml with duplex board carton as	The requested packings have already been approved by RC in its (i) 277 th meeting vide agenda item no 8.2 in favour of M/s. Syngenta India Ltd, (ii) 428 th meeting vide agenda item no. 9.41 in favour of M/s. Syngenta India Ltd, (iii) 469 th meeting vide agenda item no. 9.45 (Annexure-9.45.1, SL. No. 184) in favour of M/s. Tensai Agriscience Private Limited and (iv) 416 th meeting vide agenda item no. 9.20 in favour of M/s. Syngenta India Ltd.

			secondary packing and 5-ply CFB boxes of capacity 2 liter, 4 liter and 10 liters which shall conform to IS:2771(Pt-I):1990 as a transport packing for Thiamethoxam 30% w/w FS	
15.	EN-58250 M/s. Modesto Crop Protection Pvt. Ltd.	Difenoconazole 25% EC u/s 9(4) CIR-135122/2016 - Difenoconazole (EC) (368) - 118	Endorsement for alternate packing in HDPE & PET containers of the capacity 50 ml, 100 ml, 250 ml, 500 ml, & 1 liter, 2 liters & 5 liters as per IS: 9754-1981 & IS: 12512-1987 for HDPE and 13123-2000 for PET containers which shall be further packed in CFB Boxes of capacity 10 Litres capacity as per IS 2771(pt 1)1990 as transport packing for Difenoconazole 25% EC.	The requested packing has already been approved by RC in its 408 th meeting vide agenda item no 9.117 (Annexure-9.117.1, SL. no. 15) in favour of M/s. Gargi Packing Industries.
16.	EN-58179 M/s. Modesto Crop Protection Pvt. Ltd.	Metribuzin 70% WP u/s 9(4) CIR-130001/2015 - Metribuzin (WP) (354) - 157.	Endorsement for additional packaging in 150 g pack size in Trilaminated pouch (polyester 12μ/ metalized polyester 12μ/50μ LDPE) as primary pack, which will be further packed in CFB box of capacity 15 kg as per IS 2771 (Pt-I) 1990. and Endorsement for additional packaging in 100gm, 250gm and 500gm capacity in trilaminated pouch (PET 12 micron/metalized polyester 12 micron/LDPE 50 micron) as primary pack, which will be further packed in 5-ply CFB boxes of capacity 20 Kgs as per IS 2771(pt1)1990.	The requested packing has already been approved by RC in its 426 th meeting vide agenda item no 9.17 (Annexure-9.17.1, SL. no. 37) in favour of M/s. Ravi Crop Science.
17.	EN-58228 M/s. Indogulf Crop Sciences Limited	Spiromesifen 22.9% SC u/s 9(4) CIR-119594/2015 - Spiromesifen (SC) (352) - 12	Endorsement of additional packing in HDPE container of capacity 50 ml for packing of Spiromesifen 22.9% SC.	The requested packing has already been approved by RC in its 311 th meeting vide agenda item no 8.11 in favour of M/s. Bayer Crop Science Ltd.
18.	EN-58230 M/s. Indogulf Crop Sciences Limited	Thiamethoxam 25% WG u/s 9(4) CIR-50,832/2005 - Thiamethoxam (WG) (246) - 146	Endorsement for additional packing in trilaminated pouch made from polyester 12micron/ Aluminium 9micron/ LDPE 100micron of 5gm and 20gm capacity as primary packing, which shall be further packed in 5-ply CFB box of capacity 4kg and 2kg; and Endorsement of alternate packaging in PET bottle of capacity 50 gm, 100 gm, 250 gm, 500 gm and 1.00 kg as a primary packing confirming to IS: 131232000. The primary packs of capacity 50 gm and 100 gm shall be inserted into small intermediate CFB box as a secondary packing. There shall be no secondary packing for 250 gm, 500 gm and 1.00 kg pack size. The secondary pack containing	The requested packings have already been approved by RC in its (i) 440 th meeting vide agenda item no 9.89 (Annexure-9.89.1, SL. No. 144) in favour of M/s. Nakasa Crop Science Pvt. Limited and (ii) 466 th meeting vide agenda item no. 9.98 (Annexure-9.98.1, SL. No. 89) in favour of M/s. ALSC Private Limited.

			50 gm and 100 gm PET bottle and primary pack of capacity 250 gm, 500 gm, and 1.00 kg shall be further packed in 5-ply CFB Box as a transport packing conforming to IS:2771(I)-1990.	
19.	EN-58231 M/s. Indogulf Cropsciences Limited	Pinoxaden 5.1% EC u/s 9(4) CIR-305890/2023 - Pinoxaden (EC) (446) - 203	Endorsement for additional packing of primary pack 800 ml and 4 L in co-extruded HDPE/Polyamide/fluorinated HDPE containers which shall be further packed in 5-ply CFB box as Transport packing.	The requested packing has already been approved by RC in its 420 th meeting vide agenda item no 9.6 in favour of M/s. Syngenta India Ltd.
20.	EN-58232 M/s. Indogulf Cropsciences Limited	Novaluron 5.25% + Indoxacarb 4.5% w/w SC u/s 9(4) CIR-303510/2023 - Novaluron + Indoxacarb (SC) (446) - 533.	Endorsement for alternate bulk packing in 200 litres capacity in HDPE drum (height x diameter in mm 920 x 590, wall thickness 4.0mm) as primary, secondary and transport packing.	The requested packing has already been approved by RC in its 443 rd meeting vide agenda item no 9.17 (Annexure-9.17.1, SL. No. 30) in favour of M/s. Seedlings India Private Limited.
21.	EN-58239 M/s. Indogulf Cropsciences Limited	Bispyribac Sodium 10% w/v SC u/s 9(4) CIR-167548/2019 - Bispyribac Sodium (SC) (408) - 66.	Endorsement for additional primary packaging of Bispyribac Sodium 10% SC in HDPE container of capacity 50 ml and 100 ml, in lieu of 40 ml and 80 ml. The Primary pack will be further packed in 5 ply Corrugated Fiber Board Boxes (CFB), confirming to IS 2771 (Part I) 1990 as a transport packing and Endorsement of alternate packaging of 200 litres HDPE-XL Ring Drum as per IS: 6312-1994 for bulk packing 200 litres for bulk packing of Bispyribac Sodium 10% w/v SC	The requested packings have already been approved by RC in its (i) 428 th meeting vide agenda item no 9.60 (Annexure-9.60.1, SL. No. 29) in favour of M/s. Indofil Industries Ltd and (ii) 390 th meeting vide agenda item no. 8.3 in favour of M/s. Godrej Agrovet Ltd.
22.	EN-58245 M/s. Indogulf Cropsciences Limited.	Cymoxanil 8% + Mancozeb 64% WP u/s 9(4) CIR-119604/2015 - Cymoxanil + Mancozeb (WP) (352) - 48	Endorsement of additional packing in HDPE bag of capacity 25 kg as a transport packing conforming to IS: 8069 (Part 2)1989 with LDPE liner having thickness not less than 0.062 mm of capacity 25 kg as a primary packing. Closure system: HDPE bag out of the HDPE bag on flat bed loom, the side and bottom seams of the HDPE bag shall be sewn. The stitching shall be done with two rows of either lock stitch or chain stitch. The two rows of stitches should be separated from each other by about 5 mm. The material used for stitching shall be HDPE tape.	The requested packing has already been approved by RC in its 466 th meeting vide agenda item no 9.98 (Annexure-9.98.1, SL. No. 25) in favour of M/s. Dharmaj Crop Guard Limited.
23.	EN-58220 M/s. Chalka Agritech Private Limited.	Profenofos 40% + Cypermethrin 4% EC u/s 9(4) CIR-302146/2023 - Profenofos + Cypermethrin (EC) (446) - 1305.	Endorsement for alternate packing in PET bottle in capacity of 100 ml, 250 ml, 500 ml, 1 liter and 5 liters, which shall be further packed in CFB box as a transport packing.	The requested packing has already been approved by RC in its 467 th meeting vide agenda item no 9.68 (Annexure-9.68.1, SL. No. 65) in favour of M/s.

				Criag Technologies Private Limited.
24.	EN-58216 M/s. Chalka Agritech Private Limited.	Imazethapyr 10% SL u/s 9(4) CIR-301895/2023 - Imazethapyr (SL) (446) - 845	Endorsement of additional packaging of Imazethapyr 10 % SL in HDPE container of capacity 250 ml, 500 ml, 1 liter and 5 liter with the proportionate quantity of surfactant. Chemical composition of surfactant:-(Methyl Oleate = 30-60%, Ammonium Sulphate = 10-30%, Non ionic Surfactant & Non-hazardous dilutents including water = Q.S., Total = 100%).	The requested packing has already been approved by RC in its 456 th meeting vide agenda item no 9.92 (Annexure-9.92.1, SL. No. 17) in favour of M/s. BR Agritech ltd.
25.	EN-58224 M/s. Yogi Crop Science Private Limited	Glyphosate Technical 95.00% w/w min. u/s 9(4) CIR-358971/2026 - Glyphosate (Technical) (468) - 45.	Endorsement of alternate packing in woven bag of capacity 25 kg & 600 kg for import; and Endorsement for the following additional packing: The technical product shall be imported in Flexible Freight bag with HDPE polyethene liner of capacity 600 kg as per UN No 3077, hazard class 9 packaging group III.	The requested packingsa have already been approved by RC in its (i) 467 th meeting vide agenda item no 9.68 (Annexure-9.68.1, SL. No. 31) in favour of M/s. Kunzite Crop Science Private Limited and (ii) 467 th meeting vide agenda item no. 9.68 (Annexure-9.68.1, Sl. no. 53) in favour of M/s. JU Agri Sciences Private Limited.
26.	EN-58234 M/s. Indogulf Cropsciences Limited	Butachlor 50% EW u/s 9(4) CIR-49,969/2005 - Butachlor (EW) (251) - 1433	Endorsement of Alternate packing in PET bottle of capacity 100 ml, 250 ml, 500 ml, 1 liter and 5 liters as per IS 13123:2000. This shall be further packed in CFB box of capacity 10 liters as transport packing for Butachlor 50% EW.	The requested packing has already been approved by RC in its 435 th meeting vide agenda item no 9.35 (Annexure-9.35.1, SL. No. 7) in favour of M/s. Safex Chemicals (India) Limited.
27.	EN-58222 M/s. Chalka Agritech Private Limited.	Thiamethoxam 30% FS u/s 9(4) CIR-302228/2023 - Thiamethoxam (FS) (446) - 1328.	Endorsement for of additional packaging of Thiamethoxam 30% FS of capacity of 1 and 5 Liter in Aluminium/HDPE/PET containers as primary packing and CFB boxes of capacity 10 liters as transport packing. And; Endorsement for new/alternate packing of capacity 20 liters in HDPE container (bucket) and 5-ply Corrugated Fiber Board (CFB) Box as a transport packing conforming to IS: 2771 (1): 1990.	The requested packing has already been approved by RC in its 467 th meeting vide agenda item no 9.68 (Annexure-9.68.1, SL. No. 63) in favour of M/s. Criag Technologies Private Limited.
28.	EN-58221 M/s. Chalka Agritech Private Limited.	Propiconazole 25% EC u/s 9(4) CIR-302186/2023 - Propiconazole (EC) (446) - 1006	Endorsement for new alternate packing in PET Container of capacity 100 ml, 250, 500ml, 1 liter and 5 liter as per IS 13123:2000, Primary packing shall be further packed in 5-ply CFB Boxes of capacity 10 L as per IS 2771(pt 1)1990 as transport packing for Propiconazole 25% EC.	The requested packing has already been approved by RC in its 412 th meeting vide agenda item no 9.17 (Annexure-9.17.1, SL. No. 18) in favour of M/s. Gargi Packing Industries.

29.	EN-58218 M/s. Chalka Agritech Private Limited.	Imidacloprid 17.8% SL u/s 9(4) CIR-301899/2023 - Imidacloprid (SL) (446) - 1335.	Endorsement of additional packing in HDPE container of capacity 1 liter, 2 liter and 5 liter. And; Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing. Container shall be closed with HDPE plug to make it leak proof and pilfer proof.	The requested packing has already been approved by RC in its 467 th meeting vide agenda item no 9.68 (Annexure-9.68.1, SL. No. 46) in favour of M/s. Dharmaj Crop Guard Limited.
30.	EN-58219 M/s. Chalka Agritech Private Limited.	Paraquate Dichloride 24% SL u/s 9(4) CIR-302131/2023 - Paraquate Dichloride (SL) (446) - 1358.	Endorsement for additional packing in PET bottle of capacity 100 ml, 250 ml, 500 ml, 1 liter and 5 liter for Paraquate Dichloride 24% SL.	The requested packing has already been approved by RC in its 467 th meeting vide agenda item no 9.68 (Annexure-9.68.1, SL. No. 22) in favour of M/s. Nexus Crop Science Private Limited.
31.	EN-58215 M/s. Chalka Agritech Private Limited.	Fipronil 5% SC u/s 9(4) CIR-301855/2023 - Fipronil (SC) (446) - 1415.	Endorsement of additional packing in PET bottle of Capacity 100 ml, 250 ml, 500 ml, 1 liter and 5 liter for Fipronil 5% SC. And; Endorsement of mild steel composite drum with inner liner made of HDPE of capacity 210 liter for Fipronil 5% SC. And; Endorsement of additional transport packing in FIBC of capacity 1000 liter for Fipronil 5% SC.	The requested packing has already been approved by RC in its 464 th meeting vide agenda item no 9.100 (Annexure-9.100.1, SL. No. 2) in favour of M/s. Super Ford Insecticides Ltd.
32.	EN-58211 M/s. Chalka Agritech Private Limited.	Emamectin Benzoate 5% SG u/s 9(4) CIR-301818/2023 - Emamectin Benzoate (SG) (446) - 240.	Endorsement of additional packaging of Emamectin Benzoate 5% SG in HDPE bottles of 10 gm, 50 gm, 100 gm, 250 gm, 500 gm, and 1 kg capacity made from virgin HDPE as a primary packing conforming to IS:9754-1981 which shall be further packed in CFB boxes of 5 kg capacity as a transport packing, and; Endorsement of alternate pack size of 10 gm, 50 gm, 100 gm, 250 gm, 500 gms, 1 kg and 5 kg capacity in water soluble pouch further packed in tri-laminated pouch (PET/POLY/BOPP/ POLY).and; Endorsement of alternate packing in PET bottles of 50gm, 100gm, 250gm, 500gm & 1kg capacity conforming to IS:13123:2000 as a primary packing and 5-ply CFB box as transport packing conforming to IS:2771(I):1990. and; Endorsement of additional new packing in HDPE full open top drum of 25 kg and 50 kg capacity as a primary packing. Drum body closed with a hooded lid and secured	The requested packings have already been approved by RC in its 467 th meeting vide agenda item no 9.68 (Annexure-9.68.1, SL. No. 13) in favour of M/s. Cocreate Global technologies private limited.

			by clamping ring as per IS:6312:1994. There are no separate secondary packing and transport packages.	
33.	EN-58210 M/s. Chalka Agritech Private Limited.	Ammonium Salt of Glyphosate 71% SG u/s 9(4) CIR-301715/2023 - Ammonium Salt of Glyphosate (SG) (446) - 1334.	Endorsement of additional bulk packaging in 5 kg, 10 kg, 25 kg and 50 kg in LDPE sack. and; Endorsement of additional packing in capacity of 5kg in laminated pillow type pouch (12micron PET/12 micron MET/PET/180 micron LDPE) in lieu of 5 kg LDPE pouch. and; Endorsement of 100 gm trilaminated pouches which will be packed in CFB boxes 12 kg (120 pouches).	The requested packing has already been approved by RC in its 467 th meeting vide agenda item no 9.68 (Annexure-9.68.1, SL. No. 99) in favour of M/s. Special Biochem Pvt. Ltd.
34.	EN-58217 M/s. 3B Black Bio Dx Limited.	Chlorantraniliprole 18.5% w/w SC u/s 9(4) CIR-300607/2023 - Chlorantraniliprole (SC) (446) - 899.	Endorsement of 300 ml and 600 ml as additional pack sizes in the HDPE container as per IS: 9754-1981; Endorsement for the additional packing in HDPE drums of capacity 50 liter, 100 liter and 200 liter as a primary/transport packing for Chlorantraniliprole 18.5% SC; Endorsement for additional packing in HDPE container of capacity 80 ml as per IS 9754-1981 which shall be packed in duplex board mono carton (350 GSM min.) as secondary packing and 5-ply CFB box as per IS 2771 (Pt-I) as transport packing for Chlorantraniliprole 18.5% SC; and Endorsement of additional transport packing of 2.4 litres, 3.6 litres and 4.8 litres capacity.	The requested packings have already been approved by RC in its (i) 316 th meeting vide agenda item no 8.1 in favour of M/s. E.I Dupont India Pvt Ltd, (ii) 378 th meeting vide agenda item no. 8.43 in favour of M/s. E.I Dupont India Pvt Ltd, (iii) 417 th meeting vide agenda item no. 9.12 in favour of M/s. FMC India Ltd and (iv) 447 th meeting vide agenda item no. 9.72 in favour of M/s. Natco Pharma Ltd.
35.	EN-58112 M/s. Congrats Agropack Pvt. Ltd.	Bispyribac Sodium 10% w/v SC u/s 9(4) CIR-193430/2021 - Bispyribac Sodium (SC) (431) - 245	Endorsement for additional packing in HDPE container of capacity 50 ml and 100 ml in lieu of 40 ml and 80 ml respectively for Bispyribac Sodium 10% w/v SC. Endorsement of alternate packaging of 200 litres HDPE-XL Ring Drum as per IS: 6312-1994 for bulk packing 200 litres for bulk packing of Bispyribac Sodium 10% w/v SC. Endorsement of alternate packing for repacking in PET container with capacity 5 ml, 10 ml, 20 ml, 40 ml, 50 ml, 80 ml, 100 ml, 200 ml, 250 ml, 400 ml, 500 ml, and 1 liter followed by mono carton for ultra small and small pack as a secondary, and 5- ply CFB box conforming to IS :	The requested packings have already been approved by RC in its (i) 425 th meeting vide agenda item no 9.23 (Annexure-9.23.1, SL. No. 16) in favour of M/s. India Pesticides Limited, (ii) 390 th meeting vide agenda item no. 8.3 in favour of M/s. Godrej Agrovat Ltd and (iii) 467 th meeting vide agenda item no. 9.68 (Annexure-9.68.1, SL. no. 75) in favour of M/s. Crystal Crop Protection Ltd.

			2771 (I) : 1990 as transport packing for Bispyribac sodium 10% w/v SC. and; Endorsement of alternate packaging for repacking in spout pouch with capacity 5 ml, 10 ml, 20 ml, 40 ml, 50 ml, 80 ml, 200 ml, 250 ml, 400 ml, 500 ml and 1 lit as a primary packing, followed by Duplex Board Carton boxes for pack size up to 250 ml as a secondary packing and 5-ply CFB box as a transport packing conforming to IS:2771 (Part- 1), 1991 for Bispyribac sodium 10% w/v SC.	
36.	EN-58113 M/s. Congrats Agropack Pvt. Ltd.	Bispyribac Sodium 20% + Pyrazosulfuron Ethyl 15% WDG u/s 9(4) CIR-194482/2021 - Bispyribac Sodium + Pyrazosulfuron Ethyl (WDG) (432) - 250.	Endorsement for additional packing of 40 gm, 60 gm, 80 gm & 120 gm capacity in Tri-laminate pouch Polyester film 9 outer layer 12 μ + Metallised polyester film (central layer) 12 μ +LDPE film (inner layer 80 μ), followed by mono carton as a secondary and 5-ply Corrugated Fiber Board (CFB) Box as a transport packing conforming to IS: 2771 (1):1990 for Bispyribac Sodium 20% + Pyrazosulfuron Ethyl 15% WDG.	The requested packing has already been approved by RC in its 428 th meeting vide agenda item no 9.45 in favour of M/s. Coromandel International Limited.
37.	EN-58114 M/s. Congrats Agropack Pvt. Ltd.	Captan 50% WP u/s 9(4) CIR-195984/2021 - Captan (WP) (434) - 613	Endorsement of additional packing of 100 gm, 500 gm, and 1 kg tri-laminated pouch (PET 12 μ / Alu. Foil 9 μ /LDPE 100 μ) as a primary packing which shall be further packed in 5-ply CFB box as a transport packing conforming to IS:2771(part-I)-1990.	The requested packing has already been approved by RC in its 456 th meeting vide agenda item no 9.92 (Annexure-9.92.1, Sl. No. 76) in favour of M/s. Mahamaya Lifesciences Pvt. Ltd.
38.	EN-58116 M/s. Congrats Agropack Pvt. Ltd.	Carbendazim 12% + Mancozeb 63% WP u/s 9(4) CIR-173114/2020 - Carbendazim + Mancozeb (WP) (416) - 1789.	Endorsement of additional packaging in 25 g, 250 g, 500 g and 1 Kg in tri-laminated pouch (PET 12 μ /MET PET 12 μ /LDPE 100 μ) which shall be packed in CFB boxes of capacity 10 kg conforming to IS: 2771 (Pt-I) 1990 and; Endorsement of additional packing of 25 kg & 50 kg capacity in HDPE drum.	The requested packings have already been approved by RC in its (i) 440 th meeting vide agenda item no 9.89 (Annexure-9.89.1, Sl. no. 153) in favour of M/s. Nakasa Crop Science Pvt Limited and (ii) 467 th meeting vide agenda item no. 9.68 (Annexure-9.68.1, Sl. No. 61) in favour of M/s. Nova Agri Sciences Pvt Ltd.
39.	EN-58118 M/s. Congrats Agropack Pvt. Ltd.	Carbofuran 3% CG u/s 9(4) CIR-172793/2020 - Carbofuran (CG) (416) - 329.	Endorsement of additional packaging of transport pack of 25 kg capacity HDPE bucket. The high density polyethylene (HDPE) used in the fabrication of HDPE bucket shall be of designation HDPE 43 BA. This is as per IS specification no. IS: 7328-1974. Each HDPE bucket shall be leak proof. Labels for bucket shall be prepared as per Insecticides Rules, 1971.	The requested packings have already been approved by RC in its (i) 342 nd meeting vide agenda item no 8.5 in favour of M/s. Nagarjuna Agrichem Ltd and (ii) 378 th meeting vide agenda item no. 8.26 in

			The printed label will be stuck on the bucket. Approved packs of 1 kg individually in 25 nos (as per IS: 8190(Part-I)-1988) shall be inserted in 25 kg capacity HDPE bucket. Endorsement for the additional transport packing of 50 kg HDPE container for Carbofuran 3% CG.	favour of M/s. Nagarjuna Agrichem Ltd.
40.	EN-58176	Glufosinate Ammonium 13.5 % w/w SL u/s 9(4) M/s. Modesto Crop Protection Pvt. Ltd. CIR-221706/2022 - Glufosinate Ammonium (SL) (442) - 44.	Endorsement of additional packaging of Glufosinate Ammonium 13.5% w/w SL in HDPE bottles of 5 liter capacity as a primary packaging. Primary pack further repacked in carton as a secondary packaging, which shall be further packed in 5-ply CFB boxes with 10 liter capacity as a transport packaging.	The requested packing has already been approved by RC in its 463 rd meeting vide agenda item no 9.22 (Annexure-9.22.1, SL. No. 22) in favour of M/s. Kashmir Chemicals.
41.	EN-58196	Fomesafen 12% + Quizalofop Ethyl 3% SC u/s 9(4) M/s. NACL Industries Limited. CIR-363126/2026 - Fomesafen + Quizalofop Ethyl (SC) (469) - 209.	Endorsement of additional packing of capacity of 600 ml, 1.5 liters and 3 liters in HDPE bottles as a primary and 5-ply CFB box as transport packing for Fomesafen 12% + Quizalofop Ethyl 3% SC.	The requested packing has already been approved by RC in its (i) 464 th meeting vide agenda item no 9.100 (Annexure – 9.100.1, SL. No. 19) in favour of M/s. Safex Chemicals India Ltd.
42.	EN-58190	Renofluthrin 1.0% w/w Incense Stick u/s 9(4) M/s. Star Converters. CIR-362291/2026 - Renofluthrin (Incense Stick) (469) - 9.	Endorsement of additional packing of Renofluthrin 1.0% Incense Stick (08 Nos), in PET laminate with poly (existing packing material) as primary pack. 12 such pouches shall be packed in secondary carton made of paperboard. 24 nos of secondary packs will be further packed in CFB box as transport pack as per BIS 2771 (Part 1) – 1990.	The requested packing has already been approved by RC in its 464 th meeting vide agenda item no 9.73 in favour of M/s. Godrej Consumers Products Ltd.
43.	EN-58185	Ammonium Salt of Glyphosate 71% SG u/s 9(4) M/s. Syngenta India Private Limited. CIR-247974/2023 - Ammonium Salt of Glyphosate (SG) (442) - 1115.	Endorsement for additional packaging of Ammonium Salt of Glyphosate 71% SG of capacity 5 kg in LDPE sack which shall be further packed in fiber board drum of 80 kg in LDPE liner (sack) further packed in HM HDPE drums.	The requested packing has already been approved by RC in its 428 th meeting vide agenda item no. 9.60 (Annexure-9.60.1, SL. No. 34) in favour of M/s. Ichiban Crop Science Limited.
44.	EN-58164	Imidacloprid 70% WG u/s 9(4) M/s. Indogulf Cropsciences Limited. CIR-59,156/2008- Imidacloprid (WG) (285) - 1185.	Endorsement of additional packing in a LDPE liner having thickness not less than 0.125 mm of capacity 20 kg and 25 kg. as Primary packing which shall be further packed in 5-ply CFB boxes conforming to IS:2771-1977 of same capacity as transport packing. Gross Weights: Gross weights for the 20 kg and 25 kg packs are 21.040 kg and 26.075 kg respectively and; Endorsement for additional packing in 5gm trilaminated pouch (100u LDPE/9u	The requested packings have already been approved by RC in its (i) 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, SL. no. 29) in favour of M/s. Willowood Chemicals Limited and (ii) 439 th meeting vide agenda item no. 9.71 (Annexure-9.71.1, SL. no. 104) in

			aluminum foil/12u PET) as primary pack such 50 pouches are packed in inner duplex carton weighting up to 300g as secondary packing such 12 inner cartons are further packed in CFB boxes of 5 ply as a transport packaging up to 3.6 kg.	favour of M/s. Mahamaya Lifesciences Pvt. Ltd.
45.	EN-58162 M/s. Indogulf Cropsciences Limited.	Fipronil 40% + Imidacloprid 40% WG u/s 9(4) CIR-130718/2015 - Fipronil + Imidacloprid (WG) (355) - 627.	Endorsement of additional packing in LDPE liner having thickness not less than 0.125 mm of capacity 20 kg and 25 kg as a primary packing which shall be further packed in 5-ply CFB box as a transport packing conforming to IS:2771(I)1977.	The requested packing has already been approved by RC in its 463 rd meeting vide agenda item no 9.22 (Annexure-9.22.1, SL. no. 104) in favour of M/s. Congrats Agropack Pvt Ltd.
46.	EN-58138 M/s. Indogulf Cropsciences Limited.	Pyriproxyfen 10% EC u/s 9(4) CIR-160269/2019 - Pyriproxyfen (EC) (397) - 23	Endorsement for the additional packing of 10 litres in aluminium bottle; and Endorsement for additional packing in Aluminium Bottle of capacity 100 ml, 250 ml, 400 ml, 500 ml, 1 liter, and 5 liters as a primary packing and CFB box of capacity 10kg as a transport packing.	The requested packings have already been approved by RC in its (i) 366 th meeting vide agenda item no 8.6 in favour of M/s. Sumitomo Chemical India Pvt Ltd and (ii) 435 th meeting vide agenda item no. 9.35 (Annexure-9.35.1, SL. no. 19) in favour of M/s. BR Agrotech ltd.
47.	EN-58152 M/s. Indogulf Cropsciences Limited	Imidacloprid 30.5% SC u/s 9(4) CIR-63,680/2010 - Imidacloprid (SC) (310) - 1403.	Endorsement of additional bulk packing in HDPE drum of capacity 200 litres as a primary and transport packing. Container shall be closed with HDPE plug to make it leak proof and pilfer proof; and Endorsement of additional packaging of Imidacloprid 30.5% SC in 210 liter capacity mild steel composite drum.	The requested packings have already been approved by RC in its (i) 469 th meeting vide agenda item no 9.45 (Annexure-9.45.1, SL. no. 54) in favour of M/s. Solar Chemferts Pvt Ltd and (ii) 349 th meeting vide agenda item no. 8.9 in favour of M/s. Bayer Crop Science.
48.	EN-58033 M/s. Meghmani Industries Limited.	Propaquizafop 2.5% + Imazethapyr 3.75% w/w ME u/s 9(4) CIR-217381/2022- Propaquizafop + Imazethapyr (ME) (442) - 1.	Endorsement of additional packaging of 2 litres capacity in co-extruded HDPE bottle along with corresponding pack size of ammonium sulphate in bi-laminated pouch (LDPE) as primary packing for Propaquizafop 2.5% + Imazethapyr 3.75% w/w ME.	The requested packing has already been approved by RC in its 374 th meeting vide agenda item no 8.2 in favour of M/s. ADAMA India Pvt ltd.
49.	EN-58032 M/s. Meghmani Industries Limited.	Mesotrione 2.27% + Atrazine 22.7% SC u/s 9(4) CIR-320664/2023- Mesotrione + Atrazine (SC) (446) - 90.	Endorsement of additional packing 350 ml in HDPE container of thickness not less than 1.00 mm as a primary packing and 5-ply CFB box of maximum capacity 7 kg as a transport packing conforming to IS: 2771 (I):1990; and Endorsement of additional packing in HDPE bottle 140 ml (min. thickness – 1.00	The requested packings have already been approved by RC in its (i) 456 th meeting vide agenda item no 9.85 in favour of M/s. Syngenta India ltd and (ii) 463 rd meeting vide agenda item no. 9.13 in favour of M/s.

			mm) of capacity (Brimful capacity- 161 ml) as a primary packing conforming to IS 9754:1981 (Reaffirmed 2018) which shall be further repacked into mono carton as a secondary packing. The secondary packing shall be further packed in 5-ply CFB box of capacity 07 liters as a transport packing conforming to IS:2771(I)-1990 for Mesotrione 2.27% + Atrazine 22.7% SC.	Parijat industries (India) Pvt Ltd.
50.	EN-58031 M/s. Meghmani Industries Limited.	Metolachlor 50% EC u/s 9(4) CIR-127279/2015-Metolachlor (EC) (353) - 18.	Endorsement for alternate packing of 500 ml, 1000 ml and 2000 ml COEX bottle as the primary packing and 12 litres CFB boxes as transport packaging in the registration certificate.	The requested packing has already been approved by RC in its 402 nd meeting vide agenda item no 8.3 in favour of M/s. UPL Ltd.
51.	EN-58020 M/s. Meghmani Industries Limited.	Hexaconazole 75% WG u/s 9(4) CIR-172771/2020 - Hexaconazole (WG) (413) - 1506.	Endorsement for additional packing of capacity 30 gm & 60 gm in HDPE container and trilaminated pouches as primary packing and CFB boxes as transport packing for Hexaconazole 75% WG.	The requested packing has already been approved by RC in its 367 th meeting vide agenda item no 8.8 in favour of M/s. Rallis India Ltd.
52.	EN-58144 M/s. Indogulf Crop Sciences Limited.	Imidacloprid 17.8% SL u/s 9(4) CIR-38629/(219)/2002 - Imidacloprid (SL) - 125.	Endorsement for additional packing in HDPE container of capacity 2 litres & 5 Litres; and Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing conforming to IS:15749(2007). Manner of Packing: Primary / Transport Packing: The product shall be packed in HDPE drum of capacity 200 liters. Container shall be closed with HDPE plug to make is leak proof and pilfer proof. It confirm to BIS: 15749(2007). Gross weight of HDPE drum: 233.2 kg.	The requested packings have already been approved by RC in its (i) 290 th meeting vide agenda item no 8.7 in favour of M/s. Rallis India and (ii) 469 th meeting vide agenda item no. 9.45 (Annexure-9.45.1, Sl. No. 14) in favour of M/s. Willowood Chemicals Ltd.
53.	EN-58143 M/s. Indogulf Crop Sciences Limited.	Indoxacarb 14.5% SC u/s 9(4) CIR-41,212/2002-Indoxacarb (SC) (225) - 36.	Endorsement of alternate packaging i.e 50ml, 100ml, 200 ml, 250 ml, 500 ml, 1 liter and 5 Liter capacity in PA/EVOH container, further packed in CFB boxes as per IS: 2771 (Pt I)-1990 having capacity 5 litres and 10 litres as the transport packing.	The requested packing has already been approved by RC in its 400 th meeting vide agenda item no 9.20 (Annexure-9.20.1, SL. no. 7) in favour of M/s. Isagro (Asia) Agrochemicals Pvt. Ltd.
54.	EN-58139 M/s. Indogulf Crop Sciences Limited.	Lambda Cyhalothrin 4.9% Capsule Suspension u/s 9(4) CIR-65,414/2011 - Lambda Cyhalothrin (Capsule Suspension) (310) - 822.	Endorsement for additional packing in PET container of capacity 100 ml, 250 ml, 500 ml and 1000 ml as per IS: 13123-2000 which shall be further packed in 5-ply CFB boxes as per IS: 2771 (Pt-I) 1990 as transport packing. Manner of Packing: Primary Packing: PET container of capacity 100 ml, 250 ml, 500 ml and 1000 ml as per IS: 13123-2000.	The requested packings have already been approved by RC in its (i) 409 th meeting vide agenda item no 9.9 in favour of M/s. Syngenta India Ltd and (ii) 352 nd meeting vide agenda item

			Transport Packing: PET container shall be further packed in corrugated fiber board box (5-ply) conforming to IS: 2771:PART:1990. The maximum capacity for the completely filled transport packing shall be upto 10 litres. The arrangement for packs is as follows: [100 ml x 100 = 10 litres; 250 ml x 40 nos = 10 litres; 500 ml x 20 nos = 10 litres; 1000 ml x 10 nos = 10 litres]; and Primary/Transport Packing: The product shall be packed in 200 litres HDPE drum with plastic closure system. Secondary Packing: There shall be no secondary packing.	no. 8.5 in favour of M/s. Syngenta India Ltd.
55.	EN-58127 M/s. Indogulf Crop Sciences Limited.	Cartap Hydrochloride 4% GR u/s 9(4) CIR-32883/2000 - Cartap Hydrochloride (GR) - 158.	Endorsement for additional packing of Polyethylene bag of capacity 3.75 kg & 7.5 kg as primary packing, Bilaminated pouch as secondary packing and CFB boxes (22.5 kg) / HDPE woven sack (25 kg) as transport packing in two different manners of packing on the Registration Certificate. Manner of Packing (1): Primary Packing:- The primary packing of the product shall be: Polyethylene bag of thickness not less than 0.060 mm capacity 3.75 kg & 7.5 kg. Secondary Packing: The secondary packing of the product shall be a Bi-laminated pouch of PET 12μ/Poly 60μ. Transport Packing: The transport packaging shall be 5-ply CFB boxes of capacity 22.5 kg. Manner of Packing (2): Primary Packing:- The primary packing of the product shall be: Polyethylene bag of thickness not less than 0.060 mm capacity 3.75 kg & 7.5 kg. Secondary Packing: The secondary packing of the product shall be a Bi-laminated pouch of PET 12μ/Poly 60μ. Transport Packing: The Transport packaging shall be HDPE woven sacks conforming to IS 8069- 1989.	The requested packing has already been approved by RC in its 459 th meeting vide agenda item no 9.83 (Annexure-9.83.1, Sl. No. 118) in favour of M/s. Rotam Crop Protection Pvt. Ltd.
56.	EN-58047 M/s. IFFCO-MC Crop Science Private Limited.	Imazethapyr 10 % SL u/s 9(4) CIR-139755/2017- Imazethapyr (SL) (375) - 200.	Endorsement of additional packaging of Imazethapyr 10 % SL in HDPE container of capacity 250 ml, 500 ml, 1 Litre and 5 Litres with the proportionate quantity of surfactant. Chemical composition of surfactant:- (Methyl Oleate = 30-60%, Ammonium Sulphate = 10-30%, Nonionic Surfactant & Non-hazardous dilutents including water = Q.S., Total = 100%)	The requested packing has already been approved by RC in its 456 th meeting vide agenda item no 9.92 (Annexure-9.92.1, SL. No. 17) in favour of M/s. BR Agrotech ltd.

57.	EN-58019 M/s. Meghmani Industries Limited.	Bispyribac Sodium 10% w/v SC u/s 9(4) CIR-173824/2020-Bispyribac Sodium (SC) (423) - 124.	Endorsement of additional packing in HDPE container of capacity 50 ml and 100 ml in lieu of 40 ml and 80 ml respectively for Bispyribic Sodium 10% SC; Endorsement for alternate packaging of Bispyribac Sodium 10% SC for repacking in PET container with capacity 5 ml, 10 ml, 20 ml, 40 ml, 50 ml, 80 ml, 100 ml, 200 ml, 250 ml, 400 ml, 500 ml and 1 litre followed by mono carton for ultra small and small pack as a secondary and 5 ply CFB box conforming to IS: 2771 (I):1990 as transport packing; and Endorsement of alternate packaging for repacking in spout pouch with capacity 5ml, 10ml, 20ml, 40ml, 50ml, 80ml, 200ml, 250ml, 400ml, 500ml and 1 lit as a primary packing, followed by Duplex Board Carton boxes for pack size up to 250 ml as a secondary packing and 5-ply CFB box as a transport packing conforming to IS:2771 (Part-1), 1991 of Bispyribac Sodium 10% SC.	The requested packings have already been approved by RC in its (i) 353 rd meeting vide agenda item no 8.11 in favour of M/s. PI Industries Ltd, (ii) 430 th meeting vide agenda item no. 9.4 in favour of M/s. PI Industries Ltd and (iii) 432 nd meeting vide agenda item no. 9.20 in favour of M/s. PI Industries Ltd.
58.	EN-58125 M/s. Indogulf Crop Sciences Limited.	Fipronil 5% SC u/s 9(4) CIR-64,919/2010-Fipronil (SC) (311) - 387.	Endorsement of additional packing in HDPE bottle of capacity 100 ml; and Endorsement for additional packaging in PET bottles of sizes 100 ml , 250 ml , 500 ml, 1 litre, and 5 litre as per IS 13123:2000 as primary packing, which shall be further packed in CFB box of capacity 10 litre as per IS:2771(Part-1)-1990 as transport packing for Fipronil 5% SC.	The requested packings have already been approved by RC in its (i) 455 th meeting vide agenda item no 9.97 (Annexure-9.97.1, SL. No. 113) in favour of M/s. The Scientific Fertiliser Company Private Limited and (ii) 450 th meeting vide agenda item no. 9.109 (Annexure-9.109.1, SL. No. 47) in favour of M/s. Micon Laboratories (P) Ltd.
59.	EN-58123 M/s. Indogulf Crop Sciences Limited.	Dinotefuran 20% w/w SG u/s 9(4) CIR-213108/2022-Dinotefuran (SG) (440) - 32.	Endorsement of additional packing in LDPE liner having thickness not less than 0.125 mm of capacity 20 kg and 25 kg as a primary packing which shall be further packed in 5-ply CFB box as a transport packing conforming to IS:2771(I)1977; and Endorsement for additional packaging in 10 g trilaminated pouch (12µ PET / 9µ aluminium foil / 75µ polyethylene) as primary pack which shall be further packed in e-fluted carton (capacity 500 g)	The requested packings have already been approved by RC in its (i) 463 rd meeting vide agenda item no 9.22 (Annexure-9.22.1, SL. No. 124) in favour of M/s. Congrats Agropack Pvt Ltd and (ii) 408 th meeting vide agenda item no. 9.27 in favour of M/s. Indofil Industries Ltd.

			as a secondary pack; whereas CFB box of capacity 2 kg shall be used as a transport pack. Primary Packing: Trilaminated pouch (12µ PET / 9µ aluminium foil / 75µ polyethylene) of capacity 10 g. Secondary Packing: E-fluted carton pack size: 500 g as per IS: 6604-1990. Transport Packing: CFB box of pack size 2 kg as per IS: 2771(Pt-I) 1990.	
60.	EN-58122 M/s. Indogulf Crop Sciences Limited.	Emamectin Benzoate 1.9% EC u/s 9(4) CIR-130829/2015-Emamectin Benzoate (EC) (354) - 216.	Endorsement of additional / alternate primary packing of 200 ml in HDPE bottle and secondary packing in mono carton (paper board carton) for pack size of 50 ml, 100 ml, 200 ml and 250 ml for packing of Emamectin Benzoate 1.9% EC	The requested packing has already been approved by RC in its 425 th meeting vide agenda item no 9.27 in favour of M/s. Crystal Crop Protection Ltd.
61.	EN-58100 M/s Mahamaya Lifesciences Ltd.	Chlorantraniliprole 18.5% w/w SC 9(4) CIR-266326/2023-Chlorantraniliprole (SC) (444)-574.	Endorsement of additional packing in HDPE bottle (min. thickness 1.0 mm) of capacity 1 liter and 2 liter as a primary packing conforming to IS:9754-1981 and IS:12512-1989 which shall be further packed in 5-ply CFB box upto 10 liter capacity as a transport packing conforming to IS:2771(I)-1990.	The requested packing has already been approved by RC in its 461 st meeting vide Agenda item no 9.151 in favour of M/s Dharmaj Crop Guard Ltd.
62.	EN-58098 M/s. Mahamaya Lifesciences Ltd.	Pretilachlor 50% EC u/s 9(4) CIR-142386/2017-Pretilachlor (EC) (377) - 571.	Endorsement of alternate bulk packing in HDPE drum of capacity 200 Liters as a primary and transport packing conforming to IS:15749-2007. Manner of packing: Primary/Transport packing: The product shall be packed in HDPE drum of capacity 200 Liters as a primary and transport packing. Drum shall be closed with HDPE plug to make it leak proof and pilfer proof. It confirm to BIS: 15749 (2007). Gross weight of the HDPE drum shall be ~ 206.2 kg.	The requested packing has already been approved by RC in its 463 rd meeting vide agenda item no 9.15 in favour of M/s. Krishi Rasayan Exports Pvt Ltd.
63.	EN-58105 M/s. Indogulf Crop Sciences Limited.	Abamectin 1.90% EC u/s 9(4) CIR-208540/2022-Abamectin (EC) (440) - 9.	Endorsement of additional packing in HDPE bottle of 150 ml capacity, conforming to IS 9754:1981, which shall be further packed in mono-cartons as secondary packaging, and 5-ply corrugated fibre board (CFB) boxes, conforming to IS 2771 (Part 1):1990 for transport packaging. Manner of packing:- Primary packaging: The product shall be packed in HDPE bottles having min thickness 1.0 mm of 150 ml capacity, conforming to IS 9754:1981 as primary packaging. Secondary packaging: The primary packs in HDPE bottles of 150 ml shall be enclosed in 3-ply mono-cartons conforming to IS:16985:2018 as secondary packaging. The carton flaps shall be securely closed using cello tape, bursting strength 5 Kg/cm ² . Transport	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.160 in favour of M/s. Crystal Crop Protection Ltd.

			packing: 16 nos of Secondary packs shall be further packed into 5 ply CFB box conforming to IS 2771 (Part2) 2022 as transport packing. [150 ml x 16 nos =2.4 litres ; Gross wt ~ 3.94 Kgs]; Dimension (LxWxH) of the Shipper pack 327x230x190 mm , bursting strength -11.5 kg/cm ² .	
64.	EN-58102 M/s. Indogulf Crop Sciences Limited.	Acetamiprid 20% SP u/s 9(4) CIR-38,191/2002(219)/Acetamiprid (SP) - 23.	Endorsement of additional packing in tri-laminated pouch [PET (12 µ) / MET-PET (12 µ) / LDPE (90 µ)] of capacity 1 Kg as a primary packing which shall be further packed in 5-ply CFB box of max. capacity 12.0 kg as a transport packing conforming to IS:2771(I)-1990. Manner of packing: Primary Packing: The product shall be packed in 1.00 Kg tri-laminated pouch [PET (12 µ) / MET-PET (12 µ) / LDPE (90 µ)] as primary packing. The pouch shall be heat sealed and cut to make it leak proof and pilfer proof. Tri laminated pouch [PET (12 µ) / MET-PET (12 µ) / LDPE (100 µ)] as a primary packing shall conforms to the IS 12252:1987- Polyethylene Terephthalate (PET BOTTLES)- IS:2508: 1992-Low Density Polyethylene (LDPE) for General purpose and IS:14246: 1995. Secondary packing: Each primary packing shall be individually further inserted into duplex board carton (300 GSM plain with E flutes) as a secondary packing. Transport packing: 12 nos. of secondary packing containing tri-laminated pouch of capacity 1.00 kg shall be further packed in 5-ply CFB box { 5-ply (Top & bottom 80 GSM 25 BF VK, Flute & Middle liner 140 GSM 20 BF SK} of capacity 12.00 kg (12 no. x 1.00 Kg = 12.00 kg; Gross weight- 15.00 kg ± 10% kg).	The requested packing has already been approved by RC in its 464 th meeting vide agenda item no 9.82 in favour of M/s. Dhanuka Agritech Ltd.
65.	EN-57148 M/s. Ambachem Industries.	Mancozeb 75% WP u/s 9(4) CIR-1578/83/Mancozeb(WP) - 16.	Endorsement of additional primary packing in PET containers of 25 kg, 40 kg and 500 kg capacity; and Endorsement for additional packaging in 25 kg LDPE liner bag (attached with multiwall paper bag), 40kg LDPE liner bag (attached with woven bag), 500 kg LDPE liner bag (attached with FIBC bag) as transport packing.	The requested packings have already been approved by RC in its (i) 450 th meeting vide agenda item no 9.109 (Annexure-9.109.1, Sl. No. 10) in favour of M/s. Agro Life Science Corporation and (ii) 464 th meeting vide agenda item no. 9.100 (Annexure-9.100.1, Sl. no. 31) in favour of M/s. Amber Crop Science Pvt. Ltd.

66.	EN-57154 M/s. Ambachem Industries.	Ammonium Salt of Glyphosate 71 % SG u/s 9(4) CIR-184276/2021- Ammonium Salt of Glyphosate (SG) (428) - 1866.	Endorsement of 100 gm trilaminated pouches which will be packed in CFB boxes 12 kg (120 pouches) of Ammonium Salt of Glyphosate 71% SG. And; Endorsement of additional packaging of capacity 5 kg, 10 kg, 25 kg, and 50 kg in LDPE sack which shall be further packed in fiber board drum and the capacity of 80 kg in LDPE liner (sack) further packed in HM-HDPE drums of Ammonium Salt of Glyphosate 71 % SG.	The requested packing has already been approved by RC in its 463 rd meeting vide agenda item no 9.22 (Annexure-9.22.1, SL. no. 12) in favour of M/s. Super Ford Insecticides Ltd.
67.	EN-58103 M/s. Indogulf Crop Sciences Limited.	Aluminium Phosphide 15% Tablet u/s 9(4) CIR-157345/2018- Aluminium Phosphide (Tablet) (393) - 66.	Endorsement of additional primary packing of 60 gm (5 tablets) capacity in aluminium can (flask) and CFB box of 15.36 kg capacity as transport packing for Aluminium Phosphide 15% Tablet; and Endorsement of alternate packaging of 4 x 12g Aluminium Phosphide 15% w/w Tablet.	The requested packings have already been approved by RC in its (i) 389 th meeting vide agenda item no 8.13 in favour of M/s. UPL Ltd and (ii) 266 th meeting vide agenda item no. 8.8 in favour of M/s. United Phosphorous Ltd.
68.	EN-58078 M/s. Amber Crop Science Pvt. Ltd.	Chlorantraniliprole 18.5% w/w SC u/s 9(4) CIR-107738/2013- Chlorantraniliprole (SC) (339) - 1.	Endorsement for additional packing in HDPE drum of capacity 50 litres, 100 litres and 200 litres as a primary/transport packing.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, SL. no. 12) in favour of M/s. Grace Bio Care Pvt Ltd.
69.	EN-58079 M/s. Amber Crop Science Pvt. Ltd.	Dinotefuran 20% w/w SG u/s 9(4) CIR-229686/2022- Dinotefuran (SG) (442) - 49.	Endorsement of additional packing in LDPE liner having thickness not less than 0.125 mm of capacity 20 kg and 25 kg as a primary packing which shall be further packed in 5-ply CFB box as a transport packing conforming to IS:2771(I)1977.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, SL. no. 11) in favour of M/s. Meghmani Organics Limited.
70.	EN-58080 M/s. Amber Crop Science Pvt. Ltd.	Pyrazosulfuron Ethyl 10% WP u/s 9(4) CIR-244545/2023 - Pyrazosulfuron Ethyl (WP) (443) - 206.	Endorsement of additional packing in LDPE liner with thickness not less than 0.062 mm of capacity 25 kg as a primary packing which shall be further packed in HDPE bag of same capacity as a transport packing conforming to IS: 8069 (part 2) 1981 for Pyrazosulfuron Ethyl 10% WP.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, SL. no. 31) in favour of M/s. Dharmaj Crop Guard Limited.
71.	EN-58081 M/s. Amber Crop Science Pvt. Ltd.	Pretilachlor 37% w/w EW u/s 9(4) CIR-109535/2013 - Pretilachlor (EW) (342) - 17.	Endorsement of additional bulk packing in HDPE drum of capacity 200 litres as a primary and transport packing conforming to IS:15749(2007).	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, SL. no. 74) in favour of M/s.

				Willowood Chemicals Limited.
72.	EN-58082 M/s. Amber Crop Science Pvt. Ltd.	Paraquate Dichloride 24% SL u/s 9(4) CIR-65,787/2011 - Paraquate Dichloride (SL) (314) - 283.	Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing conforming to IS: 6312: 1994. Container shall be closed with HDPE plug to make is leak proof and pilfer proof.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, Sl. no. 6) in favour of M/s. Bhaskar Agro Chemicals Limited.
73.	EN-58083 M/s. Amber Crop Science Pvt. Ltd.	Buprofezin 25% SC u/s 9(4) CIR-62,810/2009 - Buprofezin (SC) (301) - 99.	Endorsement for additional packing in HDPE drums of capacity 200 litres for Buprofezin 25% SC.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, Sl. no. 2) in favour of M/s. Agro Life Science Corporation.
74.	EN-58084 M/s. Amber Crop Science Pvt. Ltd.	Cypermethrin 25% EC u/s 9(4) CIR-102005/2012 - Cypermethrin (EC) (327) - 1.	Endorsement for alternate packing in Non-removable head type HMHDPE XL-2 drums with min. thickness of body sheet 3.40 mm of capacity 210 liter confirming the IS: 6312: 1994 (reaffirmed,1999) with closer fitted with leak proof plugs.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, Sl. no. 51) in favour of M/s. Krishi Rasayan Exports Pvt. Ltd.
75.	EN-58085 M/s. Amber Crop Science Pvt. Ltd.	Atrazine 50% WP u/s 9(4) CIR-60,946/2008 - Atrazine (WP) (292) - 432.	Endorsement of additional packing as - Primary Packing: The product shall be packed in LDPE liner of 25 kg as primary packaging. Transport packing: The primary packing shall be further packed in HDPE bag of capacity 25 kg conforming to IS 8069:1989. Gross wt of HDPE bag is 25.175 kg.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, Sl. no. 30) in favour of M/s. Willowood chemicals limited.
76.	EN-58086 M/s. Amber Crop Science Pvt. Ltd.	Thiamethoxam 75% w/w SG u/s 9(4) CIR-153224/2018 - Thiamethoxam (SG) (390) - 1483.	Endorsement for new/additional/ alternate bulk packing in HDPE drum of capacity 100 kg as transport packing.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, Sl. no. 26) in favour of M/s. Dharmaj Crop Guard Limited.
77.	EN-58048 M/s. ALSC Private Limited.	Pretilachlor 37% w/w EW u/s 9(4) CIR-213667/2022- Pretilachlor (EW) (440) - 595.	Endorsement for alternate packaging in PET bottles in 300 ml, 600 ml, 1200 ml and 3 litre capacity which shall be conform to IS 13123 : 2000 which shall be further packed in 5-ply CFB boxes as transport packing. Manner of packing: Primary Packing:- The primary packing of the product shall	The requested packing has already been approved by RC in its 426 th meeting vide agenda item no 9.17 (Annexure-9.17, Sl. no. 41) in favour of M/s. Ravi Crop Science.

			be packed in PET bottles of capacity 300ml, 600ml, 1200 ml and 3000 ml having wall thickness 0.25mm min. with leak proof and pilfer proof closure system confirming to IS 13123:2000. Secondary packing: There will be no secondary packing. Transport packing: The primary pack is further packed in 5-ply corrugated fibre board Boxes (CFB) of maximum capacity of 9.6lits and 12 lts, confirming to IS 2771 (Part I)-1990, 300 ml x 32 nos = 9.6L; 600 ml x 16 nos = 9.6 L; 1200 ml x 10 = 12 L ; 3000 ml x 4 nos =12 L.	
78.	EN-58049 M/s. ALSC Private Limited.	Thiamethoxam 75% w/w SG u/s 9(4) CIR-190080/2021-Thiamethoxam (SG) (429) - 3174.	Endorsement of additional packing in PET bottles of 100 gm, 250 gm, 500 gm & 1 kg capacity conforming to IS:13123-2000 as primary packing and 5-ply CFB box as transport packing conforming to IS:2771(Part-I)-1990.	The requested packing has already been approved by RC in its 449 th meeting vide agenda item no 9.47 (Annexure-9.47.1, Sl. no. 42) in favour of M/s. Agro Life Science Corporation.
79.	EN-58053 M/s. ALSC Private Limited.	Tebuconazole 10%+Sulphur 65% WG u/s 9(4) CIR-253614/2023-Tebuconazole + Sulphur (WG) (443) - 745.	Endorsement of additional packaging in PET bottle of capacity 100 gm, 250 gm, 500 gm and 1 kg.	The requested packing has already been approved by RC in its 449 th meeting vide agenda item no. 9.47 (Annexure-9.47.1, Sl. no. 46) in favour of M/s. Krishi Rasayan Exports Pvt. Ltd.
80.	EN-57975 M/s. Mahamaya Lifesciences Ltd.	Glufosinate Ammonium 13.5% w/w SL u/s 9(4) CIR-223861/2022-Glufosinate Ammonium (SL) (442) - 44.	Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing conforming to IS:15749(2007). Manner of Packing: Primary /Transport Packaging: The product shall be packed in HDPE drum of capacity 200 liters. Container shall be closed with HDPE plug to make is leak proof and pilfer proof It confirm to BIS: 15749 (2007). Gross weight of HDPE drum: 220.2 kg.	The requested packing has already been approved by RC in its 457 th meeting vide agenda item no 9.40 in favour of M/s. Krishi Rasayan Exports Pvt Ltd.
81.	EN-57973 M/s. Mahamaya Lifesciences Ltd.	Glufosinate Ammonium 13.5% w/w SL u/s 9(4) CIR-223861/2022-Glufosinate Ammonium (SL) (442) - 44.	Endorsement of additional packaging in HDPE container of capacity 5 lit. , 10 lit., and 20 lit. which shall be further packed in 5-ply CFB box as a transport packing conforming to IS:2771(I)-1990	The requested packing has already been approved by RC in its 462 nd meeting vide agenda item no 9.74 in favour of M/s. Aristo bio tech and Life Science Ltd.
82.	EN-57002	Deltamethrin 2.5% FLOW u/s 9(4)	Endorsement of additional packing in plastic jerry cans made of HDPE of capacity 20 lit., which shall be further packed in 7-ply CFB box of capacity 20 kg as a transport packing; and	The requested packings have already been approved by RC in its (i) 456 th meeting vide agenda item no 9.87 in

	M/s. Congrats Agropack Pvt. Ltd.	CIR-329412/2023-Deltamethrin (FLOW) (447) - 233.	Endorsement of additional packing in plastic jerry cans made of HDPE of capacity 5 lit., which shall be further packed in 5-ply CFB box of capacity 10 kg as a transport packing.	favour of M/s. BR Agrotech Ltd and (ii) 456 th meeting vide agenda item no. 9.88 in favour of M/s. BR Agrotech Ltd.
83.	EN-57038 M/s. Congrats Agropack Pvt. Ltd.	Cyantraniliprole 10.26% w/w OD u/s 9(4) CIR-210789/2022 - Cyantraniliprole (OD) (440) - 5.	Endorsement of new packaging of 1000 L Co-ex High-Density Polyethylene intermediate bulk container (IBC) for the above product; and Endorsement of additional primary packing in co-extruded HDPE bottle of capacity 360 ml as a primary packing and CFB boxes of capacity 7.2 liter as a transport packaging. And; Endorsement of additional packing of 280 ml Co-ex HDPE bottles and additional of secondary packing (Duplex board mono carton- 350 GSM) already approved pack size for Cyantraniliprole 10.26% OD.	The requested packings have already been approved by RC in its (i) 455 th meeting vide agenda item no. 9.89 in favour of M/s. FMC India Ltd and (ii) 459 th meeting vide agenda item no. 9.83 (Annexure-9.83.1, Sl. no. 98) in favour of M/s. Mahamaya Lifesciences Pvt. Ltd.
84.	EN-58005 M/s. Congrats Agropack Pvt. Ltd.	2,4-D Amine Salt 58% SL u/s 9(4) CIR-208380/2022-2,4-D Amine Salt (SL) (440) - 655.	Endorsement of additional packing in bottle of capacity 400 ml as per IS 13123:2015 as a primary packing and transport packing of capacity 8 liter corrugated box; Endorsement for additional packaging of 2,4-D Amine Salt 58% SL in PET bottles of 500 ml capacity which shall be further packed in CFB boxes of capacity 10 ltr as per IS 2771 (Pt-I)1990; Endorsement for additional packaging of 2,4-D amine salt 58% SL in 100 ml, 250 ml, 400 ml, 1 liter and 5 liter in PET bottles as per IS 13123:2000; Endorsement of additional packaging in 50 ml and 2.5 litres capacity in HDPE container; and Endorsement of additional packaging of 400 ml in HDPE container.	The requested packings have already been approved by RC in its (i) 378 th meeting vide agenda item no 8.32 in favour of M/s. UPL Ltd, (ii) 429 th meeting vide agenda item no. 9.14 (Annexure-9.14.1, Sl. no. 29) in favour of M/s. Advance Micro Fertilizers Pvt. Limited, (iii) 450 th meeting vide agenda item no. 9.109 (Annexure-9.109.1, Sl. No. 48) in favour of M/s. Micon Laboratories (P) Ltd and (iv) 432 nd meeting vide agenda item no. 9.26 (Annexure-9.26.1, Sl. No. 9) in favour of M/s. Best Agrolife Ltd.
85.	EN-58012 M/s. Congrats Agropack Pvt. Ltd.	Abamectin 1.9% EC u/s 9(4) CIR-210119/2022-Abamectin (EC) (440) - 24.	Endorsement of additional packaging of 10 ml in HDPE bottle as a primary packing and inner box as a secondary packing which shall be further packed in 5-ply CFB boxes (5 mm thickness) of capacity 2 litre for the Abamectin 1.9% EC.	The requested packing has already been approved by RC in its 461 st meeting vide agenda item no 9.153 (Annexure-9.153.1, Sl. No. 9) in favour of M/s. Meenakshi Agro Chemicals.

86.	EN-58014 M/s. Congrats Agropack Pvt. Ltd.	Acephate 50% + Imidacloprid 1.8% SP u/s 9(4) CIR-194484/2021- Acephate + Imidacloprid (SP) (432) - 1920.	Endorsement of the additional primary packing in trilaminated non gusseted pouch of capacity 50 gm and 500 gm and; Endorsement of additional packaging in 25 kg LDPE liner bag conforming to IS:2508:1984 as a primary packing. Primary pack shall be packed into 25 kg tri-laminated pouch [PET (12 µ) / ALU. FOIL (9 µ) / LDPE (100 µ)] as a secondary pack.	The requested packings have already been approved by RC in its (i) 374 th meeting vide agenda item no 8.14 in favour of M/s. UPL Ltd and (ii) 466 th meeting vide agenda item no. 9.98 (Annexure-9.98.1, Sl. no. 20) in favour of M/s. Insecticides India Limited.
87.	EN-57157 M/s. Ambachem Industries.	Glyphosate 41% SL u/s 9(4) CIR-2254/84/Glyphosate (S) - 5.	Endorsement of additional packaging for Glyphosate 41% SL in the capacity of 20 litres, 50 litres and 200 litres HDPE/HMHDPE drums.; and Endorsement of alternate packing in PET container of 100 ml, 250 ml, 500 ml and 1litre capacity which shall conform to IS 13123:2000 and endorsement of additional packing in PET bottles of capacity 5000 ml as per IS 13123: 2000 which shall be further packed in CFB box as per IS 2771 (Part I) 1990 having capacity 10 L as transport packing for Glyphosate 41% SL.	The requested packing has already been approved by RC in its 463 rd meeting vide agenda item no 9.22 (Annexure-9.22.1, Sl. no. 42) in favour of M/s. Kashmir Chemicals.
88.	EN-57149 M/s. Ambachem Industries.	Chlormequat Chloride 50% Sol u/s 9(4) CIR-2884/85/ Chlormequat Chloride (SL) - 22.	Endorsement of additional bulk packing in HDPE drum of 200 L (min. thickness-2.7 mm) as a primary/transport packing.	The requested packing has already been approved by RC in its 467 th meeting vide agenda item no 9.65 in favour of M/s. Indu Sai Chemical.
89.	EN-58054 M/s. Hindustan Rasayan Pvt. Ltd.	Propargite 57% EC u/s 9(4) CIR-268157/2023- Propargite (EC) (444) - 299.	Endorsement for additional packing in PET bottles of capacity 100 ml, 250 ml, 500 ml, 1 litre, and 5 litres conforming to IS:13123: 2000 as primary packing and CFB box as transport packing.	The requested packing has already been approved by RC in its 429 th meeting vide agenda item no. 9.14 (Annexure-9.14.1, Sl. no. 15) in favour of M/s. IFFCO-MC Crop Science Private Limited.
90.	EN-56483 M/s. Advance Agrolife Limited.	Sulphur 80% WDG u/s 9(4) CIR-59,815/2008 - Sulphur (WDG) (289) - 1742.	Endorsement of additional packing in bi-laminated pouch (LDPE 125 µ + PET 12 µ) of capacity 15 kg as a primary packing conforming to IS:2508-2016(reaff. 2022) which shall be further packed in Polypropylene bucket (with lid and handle) of capacity 15 kg as a transport packing conforming to IS:6312-1994.	The requested packing has already been approved by RC in its 459 th meeting vide agenda item no 9.80 in favour of M/s Parijat Industries (India) Pvt. Ltd.
91.	EN-56069	2,4-D Ethyl Ester 38% EC (Having 2,4-D Acid 34% w/w) u/s 9(4)	Endorsement for alternate packaging of 2,4-D Ethyl Ester 38% EC in 100ml, 250ml, 500ml, 1 ltr & 5ltr capacity in PET bottles as per IS 13123:2000.	The requested packing has already been approved by RC in its 459 th meeting vide agenda item no 9.83 (Annexure-9.83.1, SL.

	M/s. Aristo Bio-tech and life Science Limited.	CIR-109543/2013 – 2,4-D Ethyl Ester (EC) (342) – 14.	Manner of Packing: Primary Packing: The product shall be packed in PET bottles of capacity 100ml, 250ml, 500ml, 1 litre and 5 litre as per IS 13123:2000. Transport Packing: Primary packing shall be packed in CFB Boxes of capacity 10 L as per IS 2771(pt-1)1990.	No. 62) in favour of M/s Growero Technologies Private Limited.
92.	EN-56291 M/s. Agastya Agro Limited.	Bispyribac Sodium 10% w/v SC u/s 9(4) CIR-166691/2019 – Bispyribac Sodium (SC) (405) – 56.	Endorsement of alternate packaging for repacking in spout pouch with capacity 5ml, 10ml, 20ml, 40ml, 50ml, 80ml, 200ml, 250ml, 400ml, 500ml and 1 lit as a primary packing, followed by Duplex Board Carton boxes for pack size up to 250 ml as a secondary packing and 5-ply CFB box as a transport packing conforming to IS:2771 (Part-1), 1991.	The requested packing has already been approved by RC in its 456 th Meeting vide Agenda Item No. 9.92 (Annexure-9.92.1) in favour of M/s. Mahamaya Lifesciences Pvt. Ltd.
93.	EN-58291 M/s. Indogulf Cropsciences Limited	Mancozeb 75% WP u/s 9(4) CIR-32,692/2000/ Mancozeb (WP) - 705.	Endorsement of additional primary packing in PET containers of 25 kg, 40 kg and 500 kg capacity; and Endorsement for additional packaging in 25 kg LDPE liner bag (attached with multiwall paper bag), 40kg LDPE liner bag (attached with woven bag), 500kg LDPE liner bag (attached with FIBC bag) as transport packing.	The requested packing have already been approved by RC in its (i) 449 th meeting vide agenda item no. 9.47 (Annexure-9.47.1, SL. No. 83) in favour of M/s. Krishi Rasayan Exports Pvt. Ltd and (ii) 401 st meeting vide agenda item no. 8.13 (Annexure-8.13.1, SL. No. 10) in favour of M/s. Parijat Industries (India) Pvt. Ltd.
94.	EN-58292 M/s. Indogulf Cropsciences Limited	Glufosinate Ammonium 13.5% w/w SL u/s 9(4) CIR-120802/2015 - Glufosinate Ammonium (SL) (352) - 7.	Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing conforming to IS:15749(2007).	The requested packing has already been approved by RC in its 465 th meeting vide agenda item no 9.48 (Annexure-9.48.1, SL. No. 5) in favour of M/s. Saraswati Agro Chemicals (India) Private Limited.
95.	EN-58290 M/s. Indogulf Cropsciences Limited.	Fenoxaprop-p-Ethyl 9.3% EC u/s 9(4) CIR-119617/2015 - Fenoxaprop-p-Ethyl (EC) (352) - 75.	Endorsement of additional packaging in aluminium container of capacity 3 litres for packing of Fenoxaprop-p-Ethyl 9.3% EC.	The requested packing has already been approved by RC in its 298 th meeting vide agenda item no 8.7 in favour of M/s. Bayer Crop Science Ltd.
96.	EN-58289 M/s. Indogulf Cropsciences Limited.	Oxyfluorfen 23.5% EC (w/w) u/s 9(4) CIR-66,483/2011 - Oxyfluorfen (EC) (319) - 135.	Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing. Container shall be closed with HDPE plug to make it leak proof and pilfer proof. HDPE drum shall conform to IS 6312:1994. Gross wt of HDPE drum shall be 208.2 Kg.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, SL. no. 28) in favour of M/s.

				Willowood chemicals limited.
97.	EN-58284 M/s. Indogulf Crop Sciences Limited	Imazethapyr 10% SL u/s 9(4) CIR-55,669/2007 - Imazethapyr (SL) (270) - 24.	Endorsement of new / additional / alternate bulk packing in HDPE drum of capacity 200 litres as a primary and transport packing for Imazethapyr 10% SL; and Endorsement of additional packing in HDPE bottle with a capacity of 400 ml confirming to IS: 9754 - 1981. HDPE bottle of 400 ml pack shall be accompanied by HDPE bottle of 240 ml pack with spreader (wetter) and Bi-laminated pouch of capacity 732 grams containing Ammonium sulphate. These shall be further packed in CBB/E-flute carton/mono carton as a secondary pack confirming to IS: 16985:2018. The secondary pack again repacked in 5 ply CFB boxes as a transport packing confirming to IS: 2771 (part 1) 1990; and Endorsement of new/alternate packing for surfactant in PET bottle of capacity 250 ml, 500 ml, & 1000 ml as per IS:13123-2000 for Imazethapyr 10% SL.	The requested packings have already been approved by RC in its (i) 469 th meeting vide agenda item no 9.45 (Annexure-9.45.1, SL. no. 124) in favour of M/s. Dharmaj Crop Guard Limited, (ii) 467 th meeting vide agenda item no. 9.68 (Annexure-9.68.1, SL. No. 93) in favour of M/s. JU Agri Sciences Private Limited and (iii) 461 st meeting vide agenda item no. 9.153 (Annexure-9.153.1, Sl. no. 5) in favour of M/s. Meenakshi Agro Chemicals.
98.	EN-58281 M/s. Indogulf Crop Sciences Limited.	Metsulfuron Methyl 10% + Chlorimuron Ethyl 10% WP u/s 9(4) CIR-64,918/2010 - Metsulfuron Methyl + Chlorimuron Ethyl (WP) (311) - 242.	Endorsement for additional packing in Tri-laminated pouch (12u PET / 9u Al foil / 45u HDPE) of capacity 8 gm as primary packing. Duplex board monocarton of capacity 400 gm and 800 gm as secondary packing. 5-ply CFB Boxes of capacity 2.4 kg and 4.8 kg as per IS 2771(pt-1)1990 as transport packing; and Endorsement for additional transport packing of capacity 1.2 kg containing 150 tri-laminated pouches of 8 gm for Metsulfuron Methyl 10% + Chlorimuron Ethyl 10% WP.	The requested packings have already been approved by RC in its (i) 401 st meeting vide agenda item no 8.13 (Annexure-8.13.1, SL. no. 15) in favour of M/s. Safex Chemicals India Ltd and (ii) 425 th meeting vide agenda item no. 9.23 (Annexure-9.23.1, Sl. no. 24) in favour of M/s. Crop Life Science Ltd.
99.	EN-58280 M/s. Indogulf Crop Sciences Limited.	Thiophanate Methyl 70% WP u/s 9(4) CIR-34,017/2000 - Thiophanate Methyl (WP) - 121.	Endorsement of additional packing in Trilaminated pouch (12-micron PET/12 Micron MET PET/50 Micron Polyester) in the capacity of 50gm, 100gm, 250gm, 500gm and 1 kg capacity. Primary pack of 50g and 100g shall be packed in 5-ply CFB box of capacity 5 kg and 250g, 500g and 1 kg shall be packed in 5-ply CFB boxes of capacity 10 kg as per IS 2771 (pt-1) 1989 as transport packing.	The requested packing has already been approved by RC in its 440 th meeting vide agenda item no 9.89 (Annexure-9.89.1, SL. No. 173) in favour of M/s. Advance Agrolife Private Limited.
100.	EN-58273 M/s. Indogulf Crop Sciences Limited.	Copper Oxy Chloride 50% WP u/s 9(4) CIR-145949/2018 - Copper Oxy Chloride (WP) (380) - 250.	Endorsement of additional packing in HDPE woven sacks of capacity 25 kg as a transport packing conforming to IS: 8069 (Part 2)1989 with LDPE liner having thickness not less than 70 µm of capacity 25 kg as a primary packing. LDPE bag	The requested packings have already been approved by RC in its (i) 465 th meeting vide agenda item no 9.48 (Annexure-9.48.1, SL.

			shall be sealed at bottom and shall be further stitched (at the portion below sealing) with the outer bag; and Endorsement of additional packing of 5 kgs and 10 kgs in bi-laminated pouch (12uPET+LDPE10u) which shall be further packed in CFB boxes of capacity 20 kg max.	No. 55) in favour of M/s. Crystal Crop Protection Ltd and (ii) 429th meeting vide agenda item no. 9.14 (Annexure-9.14.1, SL. No. 17) in favour of M/s. Rallis India Ltd.
101.	EN-58279 M/s. Indogulf Crop Sciences Limited.	Thiamethoxam 75% w/w SG u/s 9(4) CIR-139844/2017 – Thiamethoxam (SG) (375) - 812.	Endorsement of HDPE drum of capacity 100 kg as a transport packing for Thiamethoxam 75% SG; and Endorsement for additional packing in Trilaminated pouches (PET) 12 µ/Aluminium foil 9 µ/LDPE 60 µ) in the capacity 10 gm as a primary packing mono carton box as a secondary and 5-ply CFB box as transport packing in the capacity of 3.970 kg conforming to IS: 2771 (I) : 1990 for Thiamethoxam 75% SG.	The requested packings have already been approved by RC in its (i) 365th meeting vide agenda item no 8.6 in favour of M/s. Syngenta India Ltd and (ii) 430th meeting vide agenda item no. 9.9 in favour of M/s. Crop Life Science Ltd.
102.	EN-58270 M/s. Indogulf Crop Sciences Limited.	Difenoconazole 25% EC u/s 9(4) CIR-56,685/2007 – Difenoconazole (EC) (274) - 20.	Endorsement for alternate packing of Difenoconazole 25% EC in HDPE & PET containers of Capacity 50ml, 100ml, 250ml, 500ml, 1 liter, 2 liters and 5 liters as per IS:9754-1981 & IS: 12512-1987 (for HDPE) and IS 13123:2000 (for PET) and 5-ply CFB Boxes as per IS 2771 (pt-1)1990 having capacity 10 kg as a transport packing.	The requested packing has already been approved by RC in its 428th meeting vide agenda item no 9.60 (Annexure-9.60.1, SL. No. 59) in favour of M/s. IFFCO-MC Crop Science Private Limited.
103.	EN-55449 M/s TENSAL AGRISCIENCE PRIVATE LIMITED	Paraquat Dichloride 24% SL u/s 9(4) CIR-349331/2025- Paraquat Dichloride (SL) (461)-1657	Primary packing in PET bottle of capacity 100 ml, 250 ml, 500 ml, 1 litre and 5 litre; Endorsement for additional packing of Paraquat Dichloride 24% SL in HDPE drum of 50 litre capacity as primary/transport packing. Manner of packing: The product shall be packed in HDPE drum (L X W X H – 405 X 350 X 550 mm) of 50 litres capacity as a primary and transport packing. There will be no secondary packing; and Endorsement of additional bulk packing in HDPE drum of capacity 200 litres as a primary and transport packing conforming to IS 6312:1994. Manner of packing: Primary/Transport Packaging: The product shall be packed in HDPE drum of capacity 200 litres. Container shall be closed with HDPE plug to make it leak proof and pilfer proof. It confirm to BIS 6312:1994. Gross weight of HDPE drum: 226.2 kg.	The request packings have already been approved by RC in its (i) 354th meeting vide Agenda item no. 8.11 in favour of M/s. Bharat Insecticide Ltd., Delhi, (ii) 430th meeting vide Agenda item no. 9.11 for M/s. Krishi Rasayan Exports Pvt. Ltd and (iii) 458th meeting vide Agenda item no. 9.91 in favour of M/s. Krishi Rasayan Exports Pvt. Ltd

104.	EN-58303 M/s. Best Agrolife Limited	Azoxystrobin Technical 98% min. for import only u/s 9(4) CIR-352247/2025 – Azoxystrobin (Technical) (463) - 5	Endorsement of additional packing in Paper-plastic composite bags with a capacity of 25 Kg. The inner layer of Polyethylene (PE) will be primary packing and outer layer of Polypropylene (PP) & Kraft paper which will be transport packing. Manner of Packing: The manner of packaging for Azoxystrobin Technical 95% w/w Min. shall comply with IS: 8190 (Part-I)-1988, Indian Standard Requirements for packing of Pesticides (Part-I), Solid Pesticides (first revision), and amendments thereof if any Primary packaging: The inner transparent layer of Polyethylene (PE) (min. thickness - 70 microns) of capacity 25 kg shall be primary packing. The inner bag will be heat sealed. Transport packaging: Polypropylene (PP) & Kraft paper {Inner: Polypropylene (PP) Outer: Kraft Paper} of capacity 25 kg shall be the transport packing. Weight of empty bag- 0.34 kg, Closure system- Sealing with machine. This shall also comply with UN number : 2811 Packing No. : III Transport hazard class : 6.1.	The requested packing has already been approved by RC in its 464 th meeting vide agenda item no 9.68 in favour of M/s. Rainbow Agrosiences Pvt Ltd.
105.	EN-58379 M/s. Indogulf Cropsciences Limited	Pretilachlor 50% EC u/s 9(4) CIR-44,382/2003 – Pretilachlor (EC) (235) - 72	Endorsement of additional packing in PET bottle (min. wall thickness – 0.25 mm) of capacity 500 ml and 1000 ml as a primary packing conforming to IS:13123-2000 which shall be further packed in 5-ply CFB box of capacity 12 liter as a transport packing conforming to IS:2771(I)-1990; and Endorsement for additional packaging of Pretilachlor 50% EC in PET containers of 100 ml, 250 ml, 500 ml, 1 litre and 5 litre capacity.	The requested packings have already been approved by RC in its (i) 466 th meeting vide agenda item no. 9.89 in favour of M/s. Krishi Rasayan Exports Pvt Ltd and (ii) 429 th meeting vide agenda item no. 9.14 (Annexure-9.14.1, SL. No. 39) in favour of M/s. Advance Micro Fertilizers Pvt. Limited.
106.	EN-57152 M/s. Ambachem Industries.	Thiophanate Methyl 70% WP u/s 9(4) CIR-261411/2023 – Thiophanate Methyl (WP) (444) - 719	Endorsement of additional packing in Trilaminated pouch (12-micron PET/12 Micron MET PET/50 Micron Polyester) in the capacity of 50 gm, 100 gm, 250 gm, 500 gm and 1 kg capacity. Primary pack of 50g and 100g shall be packed in 5-ply CFB box of capacity 5 kg and 250g, 500g and 1 kg shall be packed in 5-ply CFB boxes of capacity 10 kg as per IS 2771 (pt-1) 1989 as transport packing.	The requested packing has already been approved by RC in its 461 st meeting vide agenda item no. 9.153 (Annexure-9.153.1, SL. No. 73) in favour of M/s. Penshibao Wang Pvt. Ltd.
107.	EN-58197	Fipronil 5% SC u/s 9(4)	Endorsement of additional packing in PET bottle of capacity 100 ml, 250 ml, 500 ml, 1 litre and 5 litres; and	The requested packings have already been approved by RC in its (i)

	M/s. Kashmir Chemicals.	CIR-131148/2015 – Fipronil (SC) (356) - 651.	Endorsement for mild steel composite drum with inner liner made of HDPE of capacity 210 litres.	354 th meeting vide agenda item no. 8.10 in favour of M/s. B. R Agrotech Ltd and (ii) 360 th meeting vide agenda item no. 8.8 in favour of M/s. Bayer Crop Science Ltd.
108.	EN-58200 M/s. Kashmir Chemicals.	Tolfenpyrad 15% EC u/s 9(4) CIR-337319/2024 – Tolfenpyrad (EC) (452) - 423	The finished product shall be packed in Co-Ex HDPE Bottles of different capacities from 50 ml, 100 ml, 200ml, 250 ml, 500 ml, 1000 ml and 5000 ml. The manner of packaging of Tolfenpyrad 15% EC shall be as per IS: 8190 (Part II) 1988. Requirements of packaging of pesticides (Part II) liquid pesticides (Second revision) with amendment no 5. Proposed packaging systems for packaging of Tolfenpyrad 15% EC shall consist of Primary, Secondary and Transport packaging; and Endorsement of alternate packaging in Co-Ex HDPE bottle (wall thickness- 1.2±0.2 mm) of capacity 400 ml (Brimful capacity- 560 ml) as a primary packing confirming to IS: 13463-1992 which shall be further packed in 5-ply CFB Box of capacity 10 liter as a transport packing conforming to IS:2771(I)-1990.	The requested packings have already been approved by RC in its (i) 430 th meeting vide agenda item no. 9.7 in favour of M/s. PI Industries Ltd and (ii) 465 th meeting vide agenda item no. 9.47 in favour of M/s. Insecticides India Ltd.
109.	EN-58208 M/s. Kashmir Chemicals.	Thiamethoxam 25% WG u/s 9(4) CIR-121864/2015 – Thiamethoxam (WG) (352) - 214	Endorsement of additional packing in LDPE liner having thickness not less than 0.125 mm of capacity 20 kg and 25 kg as a primary packing which shall be further packed in 5-ply CFB box as a transport packing conforming to IS:2771(I):1977. <u>Manner of Packing:</u> Primary Packaging: The product shall be packed in LDPE liner having thickness not less than 0.125 mm of capacity 20 kg and 25 kg as a primary packing. Transport Packaging: The primary packing shall be packed in 5-ply CFB box of conforming to IS:2771-1977 same capacity as a transport packing conforming to IS:2771-1977. Gross weight of the CFB box for the 20 kg and 25 kg pack size shall be 21.040 kg and 26.075 kg respectively. Closure system: Material shall be packed in LDPE liner, its mouth heated sealed	The requested packing has already been approved by RC in its 457 th meeting vide agenda item no. 9.53 in favour of M/s. Krishi Rasayan Exports Pvt. Ltd.

			and then packed in corrugated fibreboard individually.	
110.	EN-58209 M/s. Kashmir Chemicals.	Fipronil 40% + Imidacloprid 40% WG u/s 9(4) CIR-285213/2023 – Fipronil + Imidacloprid (WG) (445) - 1023	Endorsement for additional primary packing in 6 gm trilaminated (100µ-LDPE / 9µ aluminium foil / 12µ PET) pouch as primary pack, such 50 pouches are packed in inner duplex carton weighting up to 300 g as secondary packing, such 12 inner carton are further packed in CFB boxes of 5ply as transport packaging up to 3.6 kg; Endorsement for removal of monocarton in 40 gm and 100 gm capacity from approved manner of packaging for the Fipronil 40% + Imidacloprid 40% WG. The tri-laminated pouches (100 micron LDPE/ 9 micron Al. foil/ 12 micron PET) of 40 gm and 100 gm as a primary pack which shall be further packed in 5-ply CFB boxes as a transport packing; and Endorsement of additional packing in LDPE liner having thickness not less than 0.125 mm of capacity 20 kg and 25 kg as a primary packing which shall be further packed in 5-ply CFB box as a transport packing conforming to IS:2771(I)1977.	The requested packings have already been approved by RC in its (i) 400 th meeting vide agenda item no. 8.69 in favour of M/s. Excel Crop Care Ltd, (ii) 451 st meeting vide agenda item no. 9.60 in favour of M/s. Jaivagro Ltd. and (iii) 457 th meeting vide agenda item no. 9.47 in favour of M/s. Krishi Rasayan Exports Pvt. Ltd.
111.	EN-58357 M/s. Tropical Agrosystem (India) Pvt. Ltd	Penoxsulam 2.67% w/w OD u/s 9(4) CIR-334537/2023 – Penoxsulam (OD) (448) - 202	Endorsement for additional packaging of Penoxsulam 2.67% w/w OD in co-extruded container of capacity 50 ml as a primary packing. The primary pack shall be put into inner mono carton of same capacity as a secondary packing which shall be further packed in 7-ply CFB box of capacity 4.8 liter conforming to IS:2771 (Part-I)-1990 as a transport packing.	The requested packing has already been approved by RC in its (i) 466 th meeting vide agenda item no 9.98 (Annexure-9.98.1, Sl. No. 56) in favour of M/s. Gharda Chemicals Limited.
112.	EN-58356 M/s. Indogulf Cropsciences Limited.	Tricyclazole 75% WP u/s 9(4) CIR-51,138/2005 – Tricyclazole (WP) (253) - 161.	Endorsement of additional bulk packing of capacity 25 kg and 50 kg in HDPE woven sac internally laminated with LDPE liner for Tricyclazole 75% WP.	The requested packing has already been approved by RC in its 353 rd meeting vide agenda item no. 8.12 in favour of M/s. Indofil industries Ltd.
113.	EN-58351 M/s. Indogulf Cropsciences Limited	Pendimethalin 38.7% CS u/s 9(4) CIR-126728/2015 – Pendimethalin (CS) (353) - 253	Endorsement of additional bulk packing in Fluorinated High Density Polyethylene (FHDPE) Tight Head Drum of 55 Gallon capacity in which 200 L Product i.e. Pendimethalin 38.7% w/w CS will be filled, confirming to IS:8190: Part 2: 1988 (Reaffirmed year: 2018); and Endorsement of additional packing in HDPE bottle of capacity 700 ml and 3.5 L as a primary packing conforming to IS	The requested packings have already been approved by RC in its (i) 464 th meeting vide agenda item no. 9.66 in favour of M/s. BASF India Ltd and (ii) 466 th meeting vide agenda item no. 9.92 in favour of M/s. Dhanuka Agritech Ltd.

			9754 -1984 and IS 12512 -1989 which shall be further packed 3-Ply (for 700 ml pack size) and 5-ply (for 3.5 L pack size) CFB box of capacity 14.00 L as a transport packing conforming to IS:2771(I)-1990.	
114.	EN-58358 M/s. Indogulf Cropsciences Limited.	Piroxofop Propanyl (Clodinafop Propargyl) 15% WP u/s 9(4) CIR-40,561/2002 – Piroxofop Propanyl (WP) (223) - 19	Endorsement of additional packaging in tri-laminated MET PET pouch of 160 gm capacity as secondary packaging; Endorsement of alternate packaging of Clodinafop Propargyl 15% WP in mild steel drum of capacity 45 kg treated as primary / transport packaging; Endorsement of additional packing of capacity 10 kg in CFB boxes as transport packing conforming to IS: 2771 (Part-I) 1990; and Endorsement of additional packing in W.S. pouch made from PVA material of 20 g pack size as a primary packing and tri-laminated pouch [PET (12 µ) / MET-PET (12 µ) / LDPE (90 µ)] of capacity 20 gm as a secondary packing which shall be further packed in 5-ply CFB box of capacity 8.00 kg as a transport packing conforming to IS:2771(I)-1990.	The requested packings have already been approved by RC in its (i) 464 th meeting vide agenda item no 9.100 (Annexure-9.100.1, Sl. No. 6) in favour of M/s. Super Ford Insecticides Ltd, (ii) 352 nd meeting vide agenda item no. 8.1 in favour of M/s. Chemtura Chemical India Pvt Ltd, (iii) 341 st meeting vide agenda item no. 8.4 in favour of M/s. Syngenta India Ltd and (iv) 466 th meeting vide agenda item no. 9.94 in favour of M/s. Dhanuka Agritech Ltd.
115.	EN-58353 M/s. Indogulf Cropsciences Limited	Quizalofop Ethyl 10% EC u/s 9(4) CIR-187465/2021 – Quizalofop Ethyl (EC) (429) - 63.	Endorsement for alternate packing of Quizalofop Ethyl 10% EC in Co extruded bottle in the capacity of 100 ml, 150 ml, 250 ml, 450 ml, 500 ml, and 1000 ml and 5-ply CFB box as a transport packing shall not exceed 12 liters (50 x 100 ml= 5 ltr., 20 x 150 ml= 3 ltr., 40 x 250 ml= 10 ltr., 20 x 450 ml= 9 ltr., 20 x 500 ml= 10 ltr., 12 x 1000 ml= 12 ltr.) on the Certificate of Registration; Endorsement of alternate primary packing in Aluminium container of 150ml and 450ml capacity; and Endorsement of alternate packing in MS drum of capacity 210 litres for Quizalofop Ethyl 10% EC. Manner of packing: Primary/ Transport Packing: The product shall be packed in MS drum of capacity 210 liter conforming to IS:1783 (Part-I)-2014. The drum shall be suitably	The requested packings have already been approved by RC in its (i) 430 th meeting vide agenda item no 9.13 (Annexure-9.13.1, Sl. No. 27) in favour of M/s. Insecticides (India) Limited, (ii) 434 th meeting vide agenda item no. 9.45 (Annexure-9.45.1, Sl. No. 28) in favour of M/s. Ramcides CropScience Pvt. Ltd and (iii) 464 th meeting vide agenda item no. 9.79 in favour of M/s. Saraswati Agro Chemicals (India) Pvt Ltd.

			lacquered with removable lids and having bolt type closing ring. The specifications of the drum shall be follow as:- Material of construction- Good Quality Mild steel sheets DD type free from flutting, cracks, pinholes body shall be provided with two rolling beads, Type-2, Grade-A, Weight of empty drum - 22.00 kg, Dimensions of drum - 585 x 885 mm, minimum thickness- 1.21 mm, Gross weight~ 230.95 kg.	
116.	EN-58348 M/s. Indogulf Cropsciences Limited.	Propiconazole 25% EC u/s 9(4) CIR-60,990/2008 – Propiconazole (EC) (293) - 159	Endorsement of New/ Alternate packing in HDPE and PET containers for packaging of Propiconazole 25% EC as per IS No. 9754-1981 & IS: 12512-1987 for HDPE and IS: 13123-2000 for PET containers for 50 ml, 100 ml, 250 ml, 500 ml, 1 lit, 2 lit & 5 lit capacity and CFB boxes of maximum capacity of 10 litres as transport packaging.	The requested packing has already been approved by RC in its 314 th meeting vide agenda item no. 8.1.5 in favour of M/s. Syngenta India Limited.
117.	EN-58352 M/s. Indogulf Cropsciences Limited.	Pyrazosulfuron Ethyl 10% WP u/s 9(4) CIR-151689/2018 – Pyrazosulfuron Ethyl (WP) (388) - 5	Endorsement of additional packing in LDPE liner with thickness not less than 0.062 mm of capacity 25 kg as a primary packing which shall be further packed in HDPE bag of same capacity as a transport packing conforming to IS: 8069 (part 2) 1981.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no 9.119 (Annexure-9.119.1, Sl. No. 31) in favour of M/s. Dharmaj Crop Guard Limited.
118.	EN-58145 M/s. Insecticides India Limited.	Thiamethoxam 30% FS u/s 9(4) CIR-104425/2013 – Thiamethoxam (FS) (335) - 1	Endorsement of additional packaging in PET/Al/HDPE container of capacity 5 ml, 10 ml, 1L and 5L pack sizes which shall be further packed in 5-ply CFB box of max capacity 10 lit. as a transport packing conforming to IS:2771(I)-1990.	The requested packing has already been approved by RC in its 460 th meeting vide agenda item no 9.71 (Annexure-9.71.1, Sl. No. 55) in favour of M/s. Thakar Chemicals Ltd.
119.	EN-58142 M/s. Insecticides India Limited	Cartap Hydrochloride 4% GR u/s 9(4) CIR-38,171/(219)/2002 – Cartap Hydrochloride (GR) - 342	Endorsement of additional packing of Cartap hydrochloride 4% GR in 1 Kg capacity in LDPE liner having thickness 0.062 mm inserted in HDPE woven sacks conforming to IS 8069 : 1988.	The requested packing has already been approved by RC in its 392 nd meeting vide agenda item no 8.11 in favour of M/s. Arysto Life Science.
120.	EN-58293 M/s. Indogulf Cropsciences Limited	Sulfosulfuron 75% WG u/s 9(4) CIR-47,182/2003 – Sulfosulfuron (WG) (241) - 73	Endorsement for additional packing of Sulfosulfuron 75% WG in multilayer non gussasted aluminium laminated pouch 6.75 gms capacity as primary packing, 3 ply microfluted (outer with duplex board) laminated cardboard carton as secondary packing and 5 ply narrow/vertically fluted CFB box as per IS 2771 (pt-I)1990 as transport packing.	The requested packing has already been approved by RC in its 429 th meeting vide agenda item no 9.14 (Annexure-9.14.1, Sl. No. 13) in favour of M/s. IFFCO-MC Crop Science Private Limited.
121.	EN-58298	Metalaxyl 8% + Mancozeb 64% WP u/s 9(4)	Endorsement for additional packing of capacity 50 gm, 100 gm, 500 gm, and 1 kg in Trilaminated pouches; and	The requested packings have already been approved by RC in its (i)

	M/s. Indogulf Cropsciences Limited.	CIR-47,180/2003 – Metalaxyl + Mancozeb (WP) (241) - 293	Endorsement of additional packing in HDPE bag of capacity 25 kg as a transport packing conforming to IS: 8069 (Part 2)1989 with LDPE liner having thickness not less than 0.062 mm of capacity 25 kg as a primary packing.	443 rd meeting vide agenda item no 9.17 (Annexure-9.17.1, Sl. No. 28) in favour of M/s. Seedlings India Private Limited and (ii) 463 rd meeting vide agenda item no. 9.22 (Annexure-9.22.1, Sl. No. 154) in favour of M/s. Congrats Agropack Pvt. Ltd.
122.	EN-58299 M/s. Indogulf Cropsciences Limited	Validamycin 3% L u/s 9(4) CIR-59,921/2008 – Validamycin (L) (289) - 45	Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing conforming to IS: 6312: 1994. Container shall be closed with HDPE plug to make is leak proof and pilfer proof; Endorsement for alternate packaging of 100 ml , 250 ml , 1 litre, 2.5 litre and 5 litre capacity in HDPE containers. and; Endorsement of additional transport packing in PET bottles in the capacity of 100ml, 250ml, 500ml, 1 liter, and 5 liters for Validamycin 3% L.	The requested packings have already been approved by RC in its (i) 463 rd meeting vide agenda item no. 9.22 (Annexure-9.22.1, Sl. No. 65) in favour of M/s. Dharmaj Crop Guard Limited and (ii) 464 th meeting vide agenda item no. 9.100 (Annexure-9.100.1, SL. No. 129) in favour of M/s. Super Ford Insecticides Ltd.
123.	EN-58115 M/s. ADAMA India Pvt. Ltd	Spinosad 45% SC u/s 9(4) CIR-46,168/2003 – Spinosad (SC) (238) - 101	Endorsement for additional packing in HDPE container of capacity 7 ml and 75 ml for Spinosad 45% SC.	The requested packing has already been approved by RC in its 464 th meeting vide agenda item no. 9.100 (Annexure-9.100.1, SL. No. 29) in favour of M/s. Willowood Chemicals Ltd.
124.	EN-58131 M/s. ADAMA India Pvt. Ltd	Glyphosate 41% SL u/s 9(4) CIR-32,627/2000 – Glyphosate (SL) - 170	Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing conforming to IS: 6312: 1994. Container shall be closed with HDPE plug to make is leak proof and pilfer proof.	The requested packing has already been approved by RC in its 463 rd meeting vide agenda item no. 9.22 (Annexure-9.22.1, SL. No. 8) in favour of M/s. Agro Life Science Corporation.
125.	EN-58132 M/s. ADAMA India Pvt. Ltd	Paraquate Dichloride 24% SL u/s 9(4) CIR-56,339/2007 – Paraquate Dichloride (SL) (273) - 200	Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing conforming to IS: 6312: 1994. Container shall be closed with HDPE plug to make is leak proof and pilfer proof.	The requested packing has already been approved by RC in its 463 rd meeting vide agenda item no. 9.22 (Annexure-9.22.1, SL. No. 6) in favour of M/s. Agro Life Science Corporation.
126.	EN-58287	Paraquat Dichloride 24% SL u/s 9(4)	Endorsement of the additional packing in HDPE drum of 50 liter capacity as primary/transport packing;	The requested packing has already been approved by RC in its (i)

	M/s. Atharva Agrochemicals Pvt Ltd	CIR-66,900/2011 – Paraquat Dichloride (SL) (320) - 310.	Endorsement of additional packing in PET bottle of 100 ml, 250 ml, 500 ml, 1 liter, and 5 liters capacity; and Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing conforming to IS: 6312: 1994. Container shall be closed with HDPE plug to make is leak proof and pilfer proof.	466 th meeting vide agenda item no 9.98 (Annexure-9.98.1, SL. No. 95) in favour of M/s. KR Life Sciences Private Limited, (ii) 437 th meeting vide agenda item no. 9.62 (Annexure-9.62.1, SL. No. 89) in favour of M/s. Darrick Insecticides Ltd and (iii) 467 th meeting vide agenda item no. 9.68 (Annexure-9.68.1, SL. No. 89) in favour of M/s. Crystal Crop Protection Ltd.
127.	EN-58286 M/s. Atharva Agrochemicals Pvt Ltd.	Glyphosate 41% SL u/s 9(4) CIR-62,335/2009 – Glyphosate (SL) (298) - 594	Endorsement of additional packaging for Glyphosate 41% SL in the capacity of 20 liters, 50 liters, and 200 liters in HDPE/HMHDPE drums; and Endorsement of alternate packing in PET container of 100 ml, 250 ml, 500 ml and 1 liter capacity which shall conform to IS 13123:2000 and endorsement of additional packing in PET bottles of capacity 5000 ml as per IS 13123: 2000 which shall be further packed in CFB box as per IS 2771 (Part-I) 1990 having capacity 10 L as transport packing for Glyphosate 41% SL.	The requested packing has already been approved by RC in its 463 rd meeting vide agenda item no 9.22 (Annexure-9.22.1, SL. No. 42) in favour of M/s. Kashmir Chemicals.
128.	EN-58285 M/s. Atharva Agrochemicals Pvt Ltd.	Glufosinate Ammonium 13.5% w/w SL u/s 9(4) CIR-266799/2023 – Glufosinate Ammonium (SL) (444) - 202	Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing; and Endorsement for additional packing in HDPE container of capacity 5 liter and 10 liter for Glufosinate Ammonium 13.5% w/w SL.	The requested packings have already been approved by RC in its (i) 466 th meeting vide agenda item no 9.98 (Annexure-9.98.1, SL. No. 24) in favour of M/s. Dharmaj Crop Guard Limited and (ii) 461 st meeting vide agenda item no. 9.153 (Annexure-9.153.1, SL. No. 10) in favour of M/s. United Pesticides Laboratories.
129.	EN-58454 M/s. Agroking Pesticides Pvt. Ltd	Glufosinate Ammonium 13.5% w/w SL CIR-263515/2023 – Glufosinate Ammonium (SL) (444) - 186	Endorsement for additional packing in HDPE container of capacity 5 liter and 10 liter for Glufosinate Ammonium 13.5% w/w SL.	The requested packing has already been approved by RC in its 465 th meeting vide agenda item no. 9.48 (Annexure-9.48.1, SL. No. 74) in favour of M/s. HPM Chemicals & Fertilizers Limited.
130.	EN-58453	Profenofos 40% + Cypermethrin 4% EC	Endorsement for alternate packing in PET bottle of capacity 100 ml, 250 ml, 500 ml,	The requested packing has already been

	M/s. Agroking Pesticides Pvt. Ltd	CIR-161616/2019 – Profenofos + Cypermethrin (EC) (399) - 937	1 liter and 5 liters conforming to IS:13123:2000 as a primary packing, which shall be further packed in CFB box as a transport packing.	approved by RC in its 465 th meeting vide agenda item no. 9.48 (Annexure-9.48.1, SL. No. 49) in favour of M/s. New India Pesticides.
131.	EN-58457 M/s. Agroking Pesticides Pvt. Ltd	Paclobutrazole 40.0% SC CIR-263516/2023 – Paclobutrazole (SC) (444) - 356	Endorsement of additional packaging in 30 ml PET bottle as per IS: 13123:2000 as primary packing which shall be further individually packed in duplex mono carton (min 230 GSM) conforming to IS: 6604-1990 as secondary packing, which shall be further packed in 5-ply CFB box as transport packing of capacity 1.2 liters (30ml x 40 no.) for Paclobutrazole 40.0% SC.	The requested packing has already been approved by RC in its 430 th meeting vide agenda item no. 9.13 (Annexure-9.13.1, SL. No. 47) in favour of M/s. Ravi Crop Science.
132.	EN-58455 M/s. Agroking Pesticides Pvt. Ltd	Paraquate Dichloride 24% SL CIR-55,298/2006 – Paraquate Dichloride (SL) (268) - 181.	Endorsement for additional packing in PET bottle of capacity 100 ml, 250 ml, 500 ml, and 1 liter and 5 liter for Paraquate Dichloride 24% SL; and Endorsement of the additional packing in HDPE drum of 50 liter capacity as primary/transport packing.	The requested packings have already been approved by RC in its (i) 467 th meeting vide agenda item no. 9.68 (Annexure-9.68.1, SL. No. 22) in favour of M/s. Nexus Crop Science Private Limited and (ii) 466 th meeting vide agenda item no. 9.98 (Annexure-9.98.1, SL. No. 95) in favour of M/s. KR Lifesciences Private Limited.
133.	EN-58456 M/s. Agroking Pesticides Pvt. Ltd	Imazethapyr 10% SL CIR-55,297/2006 – Imazethapyr (SL) (268) - 20.	Endorsement for use of Surfactant for Imazethapyr 10 % SL in HDPE container in capacity 250 ml, 500 ml, 1 liter and 5 liters capacity.	The requested packing has already been approved by RC in its 430 th meeting vide agenda item no. 9.13 (Annexure-9.13.1, SL. No. 20) in favour of M/s. Congrats Agropack Pvt. Ltd.
134.	EN-58458 M/s. Agroking Pesticides Pvt. Ltd.	Imidacloprid 17.8% SL CIR-38087/(219)/2002 – Imidacloprid (SL) - 93	Endorsement for additional bulk packing in HDPE drum of capacity 200 litres as a primary and transport packing. Container shall be closed with HDPE plug to make it leak proof and pilfer proof of Imidacloprid 17.8% SL; and Endorsement of additional packing in HDPE container of capacity 50 ml, 100 ml, 250 ml, 500 ml, 1 litre, 2 litre and 5 litre of Imidacloprid 17.8% SL.	The requested packing has already been approved by RC in its 469 th meeting vide agenda item no. 9.45 (Annexure-9.45.1, SL. No. 134) in favour of M/s. Cocreate Global technologies private limited.
135.	EN-58406	Fomesafen 12% + Quizalofop Ethyl 3% SC	Endorsement of additional packing of capacity of 600 ml, 1.5 liters and 3 liters in HDPE bottles as a primary and 5-ply CFB box as transport packing.	The requested packing has already been approved by RC in its 466 th meeting vide agenda item no. 9.98

	M/s. Chemley Agritech Private Limited	CIR-360850/2026 – Fomesafen + Quizalofop Ethyl (SC) (468) - 194		(Annexure-9.98.1, SL. No. 64) in favour of M/s. Agrico Organics Limited.
136.	EN-58397 M/s. Chemley Agritech Private Limited	Tebuconazole 50% + Trifloxystrobin 25% WG CIR-360413/2026 – Tebuconazole + Trifloxystrobin (WG) (468) - 499	Endorsement of additional packing in trilaminated pouches of 10 gm, 50 gm & 1 kg capacity the composition of trilaminated pouch is the same for packing of Tebuconazole 50% + Trifloxystrobin 25% WG.	The requested packing has already been approved by RC in its 469 th meeting vide agenda item no. 9.45 (Annexure-9.45.1, SL. No. 42) in favour of M/s. Indogulf Crop Sciences Limited.
137.	EN-58381 M/s. Tropical Agrosystem (India) Pvt. Ltd	Sulphur 80% WDG CIR-52,827/2006 – Sulphur (WDG) (261) - 1495	Endorsement of additional packing in bi-laminated pouch of capacity 10 gm, 50 gm, 100 gm, 250 gm and 1 kg as a primary packing and CFB boxes of 10 kg as a transport packing; Endorsement of additional packing in the Tri-laminated pouches (TLP) polyester 12µ/ alluminium 9µ/LDPE 100µ of capacity 500g; Endorsement for the additional packing of 5 kg in bilaminate pouches and 30 kg in woven bag as secondary and transport pack; and Endorsement for additional packing in bilaminated pouch (LDPE 125 micron + PET 12 micron) of capacity 3 kg as primary packing and HDPE woven bag of 30 kg capacity as per IS 8069 (Pt-2) 1989 as transport packing.	The requested packing has already been approved by RC in its 453 rd meeting vide agenda item no. 9.91 (Annexure-9.91.1, SL. No. 3) in favour of M/s. Monsoon Agro Chemicals Pvt Ltd.
138.	EN-58369 M/s. Willowood Chemicals Ltd	Pymetrozine 50% WG CIR-185573/2021 – Pymetrozine (WG) (429) - 22	Endorsement of additional packaging in PET bottles having minimum thickness 0.65 mm of capacity 100 gm, 250 gm, 500 gm and 1.00 kg as a primary packing conforming to IS:13123:2000. The primary packing of capacity 100 gm shall be further repacked in 3-ply intermediate CFB box as a secondary packing. The secondary packing containing primary packing of capacity 100 gm and primary packing of capacity 250 gm, 500 gm and 1.00 kg shall be directly further packed in 5-ply CFB box as a transport packing conforming to IS:2771(I)-1990.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no. 9.101 in favour of M/s. Agrico Organics Ltd.
139.	EN-58359 M/s. Willowood Chemicals Ltd	Chlorantraniliprole 18.5% w/w SC CIR-110922/2013 – Chlorantraniliprole (SC) (343) - 10	Endorsement of alternate packing in PET bottles of capacity 30 ml, 60 ml, 150 ml and 300 ml as a primary packing conforming to IS: 13123-2000. The primary packing of capacity 30 ml, 60 ml and 150 ml shall be inserted into a 3-ply CFB box as a secondary packing. The	The requested packing has already been approved by RC in its 467 th meeting vide agenda item no. 9.47 in favour of M/s. Agrico Organics Ltd.

			secondary packing containing 30 ml, 60 ml and 150 ml primary packs and primary packing of capacity 300 ml shall be further packed in 5-ply CFB box as a transport packing conforming to IS:2771 (Part-I)-1990.	
140.	EN-58332 M/s. Bayard Agro Sciences Pvt. Ltd	Thiamethoxam 12.6% + Lambda Cyhalothrin 9.5% ZC CIR-230936/2022 – Thiamethoxam + Lambda Cyhalothrin (ZC) (442) - 735	Endorsement for alternate packing of Thiamethoxam 12.6%+ Lambdacyhalothrin 9.5 % ZC in PET container of capacity 10 ml, 40 ml, 80 ml, 100 ml, 200 ml, 500 ml and 1000 ml as per IS 13123:2000 which shall be further packed in CFB box as transport packing.	The requested packing has already been approved by RC in its 430 th meeting vide agenda item no. 9.13 (Annexure-9.13.1, Sl. No. 13) in favour of M/s. Best Crop Science.
141.	EN-58325 M/s. Bayard Agro Sciences Pvt. Ltd	Paraquat Dichloride 24% SL CIR-117319/2014 – Paraquat Dichloride (SL) (351) - 114.	Endorsement of additional packaging in PET bottles of 100 ml, 250 ml, 500 ml, 1000 ml and 5 liter capacity.	The requested packing has already been approved by RC in its 440 th meeting vide agenda item no. 9.89 (Annexure-9.89.1, Sl. No. 50) in favour of M/s. Bhaskar Agro Chemical Limited.
142.	EN-58322 M/s. Bayard Agro Sciences Pvt. Ltd	Emamectin Benzoate 5% SG CIR-65,523/2011 – Emamectin Benzoate (SG) (314) - 101	Endorsement of additional packaging of Emamectin Benzoate 5% SG in HDPE bottles of 10 gm, 50 gm, 100 gm, 250 gm, 500 gm, and 1 kg capacity made from virgin HDPE as a primary packing conforming to IS:9754-1981 which shall be further packed in CFB boxes of 5 kg capacity as a transport packing. and; Endorsement of alternate pack size of 10 gm, 50 gm, 100 gm, 250 gm, 500 gms, 1 kg and 5 kg capacity in water soluble pouch, further packed in tri-laminated pouch (PET/POLY/BOPP/ POLY). and; Endorsement of alternate packing in PET bottles of 50gm, 100gm, 250gm, 500gm & 1kg capacity conforming to IS:13123:2000 as a primary packing and 5-ply CFB box as transport packing conforming to IS:2771(I):1990. and; Endorsement of additional new packing in HDPE full open top drum of 25 kg and 50 kg capacity as a primary packing. Drum body closed with a hooded lid and secured by clamping ring as per IS:6312:1994. There are no separate secondary packing and transport packages.	The requested packing has already been approved by RC in its 455 th meeting vide agenda item no. 9.97 (Annexure-9.97.1, Sl. No. 80) in favour of M/s. The Scientific Fertiliser Company Private Limited.
143.	EN-58320	Chlorantraniliprole 18.5% w/w SC	Endorsement of additional packing in HDPE bottle of capacity 300 ml and 600 ml; and	The requested packing has already been approved by RC in its 454 th meeting vide

	M/s. Bayard Agro Sciences Pvt. Ltd	CIR-336406/2023 – Chlorantraniliprole (SC) (451) - 1208	Endorsement of additional packing in HDPE container of capacity 80ml as per IS:9754:1981, which shall be further repacked in duplex board mono carton as secondary packing and 5-ply CFB box as per IS:2771(I):1900 as transport packing.	agenda item no. 9.82 (Annexure-9.82.1, Sl. No. 108) in favour of M/s. India Chemicals and Fertilizers.
144.	EN-58319 M/s. Bayard Agro Sciences Pvt. Ltd	Pretilachlor 37% EW CIR-117320/2014 – Pretilachlor (EW) (351) - 139	Endorsement of additional Packaging of PET bottles in 300 ml, 600 ml, 1200 ml and 3-liter capacity which shall be conformed to IS 13123: 2000 which shall be further packed in 5-ply CFB boxes as transport packing.	The requested packing has already been approved by RC in its 440 th meeting vide agenda item no. 9.89 (Annexure-9.89.1, Sl. No. 32) in favour of M/s. HPM Chemicals & Fertilizers Limited.
145.	EN-58330 M/s. Bayard Agro Sciences Pvt. Ltd	Profenofos 40% + Cypermethrin 4% EC CIR-230939/2022 – Profenofos + Cypermethrin (EC) (442) - 938.	Endorsement for alternate packing in PET bottle in capacity of 100 ml, 250 ml, 500 ml, 1 liter and 5 liters, which shall be further packed in CFB box as a transport packing.	The requested packing has already been approved by RC in its 440 th meeting vide agenda item no. 9.89 (Annexure-9.89.1, Sl. No. 10) in favour of M/s. Meenakshi Agro Chemicals.
146.	EN-58334 M/s. Bayard Agro Sciences Pvt. Ltd	Hexaconazole 5% SC CIR-56,628/2007 – Hexaconazole (SC) (274) - 421	Endorsement for additional packaging of Hexaconazole 5% SC in 100 ml, 250 ml, 500 ml, 1 L & 5 L capacity in PET bottles which shall be further packed in CFB box of capacity 10 litre.	The requested packing has already been approved by RC in its 399 th meeting vide agenda item no. 9.2 (Annexure-9.2.1, Sl. No. 8) in favour of M/s. Arysta LifeScience.
147.	EN-58335 M/s. Bayard Agro Sciences Pvt. Ltd	Fipronil 5% SC CIR-56,630/2007 – Fipronil (SC) (274) - 139	Endorsement of additional primary packing in PET bottle of capacity 100 ml, 250 ml, 500 ml, 1 L & 5 L capacity as per IS:13123-2000 and 5 ply CFB boxes as per IS:2771(part-I) 1990 having capacity 10 kg shall be transport packing.	The requested packing has already been approved by RC in its 440 th meeting vide agenda item no. 9.89 (Annexure-9.89.1, Sl. No. 18) in favour of M/s. Meenakshi Agro chemicals.
148.	EN-58337 M/s. Bayard Agro Sciences Pvt. Ltd	Validamycin 3% L CIR-117325/2014 – Validamycin (L) (351) - 67	Endorsement of additional transport packing in PET bottles in the capacity of 100 ml, 250 ml, 500 ml, 1 liter, and 5 liters.	The requested packing has already been approved by RC in its 440 th meeting vide agenda item no. 9.89 (Annexure-9.89.1, Sl. No. 64) in favour of M/s. Bhaskar Agro Chemical Limited.
149.	EN-58336 M/s. Bayard Agro Sciences Pvt. Ltd	Glyphosate 41% SL CIR-60,543/2008 – Glyphosate (SL) (292) - 543	Endorsement of alternate packing of capacity of 250 ml, 500 ml, 1000 ml and 5000 ml in PET bottle as per IS 13123-2000 for Glyphosate 41% SL.	The requested packing has already been approved by RC in its 409 th meeting vide agenda item no. 9.10 (Annexure-9.10.1, Sl.

			Manner of packing: Primary packing: product shall be packed in PET bottle of capacity 250, 500, 1000 ml and 5000 ml conforming to IS 13123:2000. Transport Packing: 5-ply CFB boxes having capacity 10 Litres conforming to IS 2771(pt-1)1990 shall be transport packing.	No. 28) in favour of M/s. NACL Industries Limited.
150.	EN-58338 M/s. Bayard Agro Sciences Pvt. Ltd	Diafenthiuron 50% WP CIR-117313/2014 – Diafenthiuron (WP) (351) - 80	Endorsement of additional packing in 25 gm in PVOH water soluble bags which are further packed in trilaminated bags made of 12 micron PET/12 micron MET PET/80micron LDPE and tetra laminated pouch made of 12 micron MET PET/ 40 GSM paper/ 60 micron LDPE as a primary packing. And; Endorsement for incorporation of following packing condition: Packing in tri-laminated pouch made from polyester 12 micron/Aluminum foil 9 micron/LDPE 150 gauge min. This shall be individually inserted in E-fluted duplex board carton or 3 layers cardboard carton. The capacity of the primary and secondary packs shall be 100 g, 250 g, 500 g, 1 kg only. The specification of the tri-laminated pouch and carton shall be as per relevant IS only. This shall be further packed in CFB boxes of capacity maximum 20 kg. The specification of transport packing shall be as per requirements incorporated in IS:2771-1990 and its subsequent amendments.	The requested packing has already been approved by RC in its 459 th meeting vide agenda item no. 9.83 (Annexure-9.83.1, Sl. No. 6) in favour of M/s. Rotam Crop Protection Pvt. Ltd.
151.	EN-58339 M/s. Bayard Agro Sciences Pvt. Ltd	Pendimethalin 30% EC CIR-308439/2023 – Pendimethalin (EC) (446) - 1105	Endorsement for alternate packing Pendimethalin 30% EC in PET bottle of capacity 100 ml, 250 ml, 500 ml, 1000 ml, 2000 ml, and 5000 ml conforming to IS: 13123-2000 as a primary packing, which shall be further packed in CFB boxes of capacity 10 litres as a transport packing.	The requested packing has already been approved by RC in its 430 th meeting vide agenda item no. 9.13 (Annexure-9.13.1, Sl. No. 5) in favour of M/s. Best Agrolife Limited.
152.	EN-58340 M/s. Bayard Agro Sciences Pvt. Ltd	Pendimethalin 30% + Imazethapyr 2% EC CIR-308270/2023 – Pendimethalin + Imazethapyr (EC) (446) - 504	Endorsement for additional packaging of Pendimethalin 30% + Imazethapyr 2% EC in Co-extruded Plastic containers of capacity 100 ml, 250 ml, 500 ml, 1000 ml & 5000 ml.	The requested packing has already been approved by RC in its 430 th meeting vide agenda item no. 9.13 (Annexure-9.13.1, Sl. No. 9) in favour of M/s. Best Crop Science.
153.	EN-58355 M/s. Bayard Agro Sciences Pvt. Ltd	Hexaconazole 5% EC CIR-46,213/2003 – Hexaconazole (EC) (238) - 228	Endorsement for Additional packaging PET bottle of Capacity 100 ml, 250 ml, 500 ml, 1 liter as per IS 13123:2000 and 5 ply CFB Boxes as per IS 2771(pt 1)1990 having capacity 10 kg shall be transport packing for Hexaconazole 5% EC.	The requested packing has already been approved by RC in its 409 th meeting vide agenda item no. 9.10 (Annexure-9.10.1, Sl. No. 31) in favour of M/s.

				NACL Industries Limited.
154.	EN-58326 M/s. Bayard Agro Sciences Pvt. Ltd	Quizalofop Ethyl 10% EC CIR-350640/2025 – Quizalofop Ethyl (EC) (463) - 749	Endorsement of additional primary packing in Aluminum bottle of capacity 450 ml.	The requested packing has already been approved by RC in its 440th meeting vide agenda item no. 9.89 (Annexure-9.89.1, Sl. No. 22) in favour of M/s. Meenakshi Agro chemicals.
155.	EN-58372 M/s. Indogulf Crop Sciences Limited	Fomesafen 12% + Quizalofop Ethyl 3% SC CIR-306218/2023 – Fomesafen + Quizalofop Ethyl (SC) (446) - 79	Endorsement of additional packing in square shaped HDPE bottle (min. thickness 1.75 mm) of capacity 03 Liter (Brimful capacity - 3425±30 ml) conforming to IS:12512-1988 as a primary packing which shall be further packed in 5-ply CFB box of capacity 12 liter as a transport packing conforming to IS:2771(I)1990.	The requested packing has already been approved by RC in its 464 th meeting vide agenda item no. 9.76 in favour of M/s. Crystal Crop Protection Ltd.
156.	EN-58373 M/s. Indogulf Crop Sciences Limited	Pyrithiobac Sodium 6% + Quizalofop Ethyl 4% MEC CIR-273407/2023 – Pyrithiobac Sodium + Quizalofop Ethyl (MEC) (444) - 75	Endorsement of alternate packaging in co-extruded high density polyethylene polyamide (HDPE/PA) bottles of capacity 100 ml, 250 ml, 500 ml, 1000 ml and 2000 ml for packing of Pyrithiobac Sodium 6% w/w + Quizalofop Ethyl 4% w/w MEC. Manner of Packing: Primary Packing: Product shall be packed in co-extruded HDPE container of capacity 100 ml, 250 ml, 500 ml, 1000 ml & 2000 ml. Secondary Packing: There is no secondary packing. Transport Packing: 5 ply CFB boxes of capacity 5 L and 10 L conforming to IS: 2771 (Part-I)-1990 shall be transport packing.	The requested packing has already been approved by RC in its 402 nd meeting vide agenda item no. 8.35 in favour of M/s. Godrej Agrovet Ltd.
157.	EN-58376 M/s. Indogulf Crop Sciences Limited	Topramezone 336 g/l (w/v) SC CIR-306231/2023 – Topramezone (SC) (446) - 177	Endorsement of additional packaging 1200 liter HDPE drum for Topramezone 336 g/l SC for import; Endorsement of additional bulk packing in 200 liter capacity HDPE XL ring Drum (Wall thickness- 4.00 mm ±0.5 mm) as primary, secondary and transport packing as per IS 6312:1994. There are no separate secondary and transport packing. The container shall be closed with Bungs cap for leak proof; Endorsement of additional bulk packaging in HDPE container (min. wall thickness- 2.00 mm) of capacity 30 liter as a primary/transport packing conforming to IS:6312-1994; and	The requested packings have already been approved by RC in its (i) 358 th meeting vide agenda item no. 8.7 in favour of M/s. BASF Industries Ltd, (ii) 467 th meeting vide agenda item no. 9.56 in favour of M/s. UPL Sustainable Agri Solution Ltd, (iii) 467 th meeting vide agenda item no. 9.57 in favour of M/s. UPL Ltd and (iv) 467 th meeting vide agenda item no. 9.66 in favour of M/s. Insecticides India Ltd.

			Endorsement of additional packing of surfactant in PET bottles of capacity 150 ml, 300 ml and 750 ml as a primary packing conforming to IS:13123-2000. Existing primary packing of capacity 15 ml, 30 ml, and 75 ml of Topramezone 336 g/l (w/v) SC and surfactant shall be repacked in duplex board mono carton as a secondary packing conforming to IS:16985-2018 which shall be further packed in 5 ply CFB boxes as transport packaging conforming to IS: 2771 (Part-I)-1990.	
158.	EN-58371 M/s. Indogulf Crop Sciences Limited	Sulphur 80% WDG CIR-45,299/2003 – Sulphur (WDG) (237) - 1139	Endorsement of alternate packing in bilaminated pouch (LDPE 125 micron + PET 12 micron) of capacity 3 kg as primary packing and HDPE woven bag of 30 kg capacity as per IS: 8069 (Pt-2) 1989 as transport packing; Endorsement of additional packing of 5kg and 10kg in HDPE woven sack with LDPE liner for Sulphur 80% WDG; and Endorsement of additional packing in bi-laminated pouch of 5 Kg capacity and 20 kg woven bag as transport pack.	The requested packings have already been approved by RC in its (i) 390 th meeting vide agenda item no. 8.2 in favour of M/s. Sulphur Mills Pvt Ltd, (ii) 420 th meeting vide agenda item no. 9.13 (Annexure-9.13.1, SL. No. 2) in favour of M/s. Rallis India Limited and (iii) 442 nd meeting vide agenda item no. 9.90 in favour of M/s. UPL Ltd.
159.	EN-58377 M/s. Indogulf Crop Sciences Limited	Glyphosate 41% SL CIR-34,025/2000 – Glyphosate (SL) - 190	Endorsement of additional packing in PET bottle (min. wall thickness – 0.25 mm) of capacity 500 ml and 1000 ml as a primary packing conforming to IS:13123-2000 which shall be further packed in 5-ply CFB box of capacity 12 liter as a transport packaging conforming to IS:2771(I)-1990.	The requested packing has already been approved by RC in its 466 th meeting vide agenda item no. 9.88 in favour of M/s. Krishi Rasayan Exports Pvt Ltd.
160.	EN-58378 M/s. Indogulf Crop Sciences Limited	Pyroxasulfone 85% WG CIR-338497/2024 – Pyroxasulfone (WG) (453) - 42	Endorsements of alternate packing in Trilaminated pouches (12µ PET + 9µ Aluminium + 100µ LDPE) of capacities 60gm, 120gm, 300gm, and 600gm as a primary packing. Manner of Packing: The product shall be packed in Fiber drum made with multi layer paper board shell & ends made ply wood with metal lock ring (paper combination: 290-300GSM with 28BF±2) conforming to IS: 7601:1983, with LDPE liner conforming to IS: 2508:1984 of 70kg capacity; Endorsement for the addition of container net content in existing transport pack of 180 liter in fiber drum with 100 kg in lieu of 70 kg for Pyroxasulfone 85% WG; and Endorsement of additional packaging in 25 kg LDPE liner bag with HDPE drum in	The requested packings have already been approved by RC in its (i) 447 th meeting vide agenda item no. 9.61 in favour of M/s. PI Industries Ltd, (ii) 437 th meeting vide agenda item no. 9.55 in favour of M/s. PI Industries Ltd and (iii) 456 th meeting vide agenda item no. 9.83 in favour of M/s. UPL Ltd.

			registration certificate of Pyroxasulfone 85% WG.	
161.	EN-58329 M/s. JU Agri Sciences Private Limited.	Penoxsulam 2.67% w/w OD CIR-213228/2022 – Penoxsulam (OD) (440) - 30	Endorsement of additional packing in co-extruded container of capacity 50 ml as a primary packing. The primary pack shall be put into inner mono carton (of GSM 300) of same capacity as a secondary packing. 96 No. of secondary packs shall be further packed in 7-ply CFB box of capacity 4.8 liter confirming to IS: 2771(Part-1)-1990 as a transport packing. Gross wt of Transport packing shall be 8.66Kg.	The requested packing has already been approved by RC in its 468 th meeting vide agenda item no. 9.119 (Annexure-9.119.1, Sl. No. 23) in favour of M/s. Krishi Rasayan Exports Pvt. Ltd.
162.	EN-55065 M/s Crystal Crop Protection Ltd	Paraquat dichloride 24% SL CIR-44, 240/2003-Paraquat Dichloride (SL) (235)-135	Endorsement of additional bulk packing in HDPE drum of capacity 200 liters as a primary and transport packing conforming to IS: 6312: 1994. Manner of Packing: Primary /Transport Packaging: The product shall be packed in HDPE drum of capacity 200 liters. Container shall be closed with HDPE plug to make is leak proof and pilfer proof It confirm to BIS: 6312: 1994. Gross weight of HDPE drum: 226.2 kg.	The requested packing has already been approved by RC in its 458 th meeting vide Agenda item no 9.91 in favor of M/s Krishi Rasayan Exports Pvt. Ltd.
163.	EN-57824 M/s. Swastik Pesticides Limited	Glyphosate Technical 95.00% w/w min. CIR-336706/2023 - Glyphosate (Technical) (451) - 13	Endorsement of additional packing in Flexible Intermediate Bulk Container (FIBC) of capacity 600 kg for Glyphosate Technical 95.00% min.	The requested packing has already been approved by RC in its 440 th meeting vide agenda item no. 9.77 in favour of M/s. Rainbow Agrosiences Ltd.
164.	EN-57948 M/s. Nichino India Private Limited	Atrazine 50% WP CIR-13,288/91/Atrazine(W P) - 61.	Endorsement of removal of LDPE bags from already approved Tri-laminated pouch {12µ PET / 12µ Met-PET / 100µ LDPE (from outer to inner side)} of 250 gm pack size where the product shall be directly packed in Tri-laminated pouch {12µ PET / 12µ Met-PET / 100µ LDPE (from outer to inner side)} of 250 gm pack size as a primary packing conforming to IS:13193-1992 for Polyester film (PET) & IS: 2508-1984 for LDPE film. The primary packing of capacity 250 gm shall be directly packed in 5-ply CFB box of capacity 10 kg as a transport packing conforming to IS:2771(I)1990.	The requested packing has already been approved by RC in its 467 th meeting vide agenda item no 9.42 in favour of M/s. Rallis India Ltd.
165.	EN-58157 M/s Agrow Allied Ventures Private Limited	Glyphosate 41% S.L CIR-107908/2013-Glyphosate(SL)(339)-1	Endorsement of additional packing in PET bottles of capacity 100 ml, 250 ml, 500 ml, 1 L and 5 L as per IS 13123:2000 and transport packing in CFB boxes as per IS:2771 (part-I)1990.	The requested packing has already been approved by RC in its 442 nd meeting vide Agenda item no 9.67 (Annexure 9.67.1) in favor of M/s Nishan Chemical Industries.

166.	EN-58092 M/s MAHAMAYA LIFESCIENCES LTD.	Glufosinate Ammonium Technical 95 % w/w Min. CIR-355515/2025- Glufosinate ammonium (Technical) (466)-8.	Endorsement of additional packaging in LDPE liner of capacity 25 kg as primary pack with woven bag of same capacity as a transport packing for Glufosinate ammonium Technical 95% w/w Min.	The requested packing has already been approved by RC in its 453 rd meeting vide Agenda item no 9.76 in favor of M/s Krishi Rasayan Exports Pvt. Ltd.
167.	EN-58093 M/s MAHAMAYA LIFESCIENCES LTD.	Glufosinate Ammonium Technical 95 % w/w Min. CIR-355515/2025- Glufosinate ammonium (Technical) (466)-8.	Endorsement for alternate transport packaging having inner layer LDPE liner in Fiber intermediate Bulk Container (FIBC) with capacity for 600Kg for the product Glufosinate Ammonium Technical 95% w/w Min for Import.	The requested packing has already been approved by RC in its 452 nd meeting vide Agenda item no 9.81 in favor of M/s Krishi Rasayan Exports Pvt. Ltd.

Annexure-10.20.1

Application for endorsement in toxicity triangle endorsement U/s 9(3)/ 9(4).

Sr. No.	App. No.	Company Name	Pesticide Name	Toxicity Colour	Remarks
1	EN-57403	Maxxgro Agrology Limited	Novaluron 5.25% + Indoxacarb 4.5% w/w SC	Yellow to Blue	Satisfactory
2	EN-57383	Maxxgro Agrology Limited	Lambda-cyhalothrin 4.9% CS	Yellow to Blue	Satisfactory
3	EN-57557	Kemicides Crop Protection Private Limited	Fipronil 4% + Acetamiprid 4% SC	Yellow to Blue	Satisfactory
4	EN-57556	Kemicides Crop Protection Private Limited	Hexythiazox 5.45% EC	Green to Blue	Satisfactory
5	EN-57555	Kemicides Crop Protection Private Limited	Imazethapyr 70% WG	Green to Blue	Satisfactory

6	EN-57554	Kemicides Crop Protection Private Limited	Imidacloprid 0.3% GR	Yellow to Blue	Satisfactory
7	EN-57552	Kemicides Crop Protection Private Limited	Indoxacarb 14.5% SC	Yellow to Blue	Satisfactory
8	EN-57550	Kemicides Crop Protection Private Limited	Lambda-cyhalothrin 4.9% CS	Yellow to Blue	Satisfactory
9	EN-57549	Kemicides Crop Protection Private Limited	LUFENURON 5.4% EC	Green to Blue	Satisfactory
10	EN-57548	Kemicides Crop Protection Private Limited	Pretilachlor 37% EW	Green to Blue	Satisfactory
11	EN-57546	Kemicides Crop Protection Private Limited	THIFLUZAMIDE 24 % SC	Green to Blue	Satisfactory
12	EN-57545	Kemicides Crop Protection Private Limited	FENVALERATE 0.4 % DP	Yellow to Blue	Satisfactory
13	EN-57544	Kemicides Crop Protection Private Limited	Emamectin Benzoate 5% SG	Yellow to Blue	Satisfactory
14	EN-57543	Kemicides Crop Protection Private Limited	Emamectin Benzoate 1.9 % EC	Yellow to Blue	Satisfactory
15	EN-57541	Kemicides Crop Protection Private Limited	CHLORANTRANILIPROLE 9.3% + LAMBDACYHALOTHRIN 4.6% ZC	Yellow to Blue	Satisfactory
16	EN-57539	Kemicides Crop Protection Private Limited	Carbendazim 12% + Mancozeb 63% WP	Green to Blue	Satisfactory
17	EN-57536	Kemicides Crop Protection Private Limited	Bifenthrin 2.5% EC	Yellow to Blue	Satisfactory
18	EN-57535	Kemicides Crop Protection Private Limited	BENSULFURON METHYL 0.6 % + PRETILACHLOR 6 % GR	Green to Blue	Satisfactory

19	EN-57533	Kemicides Crop Protection Private Limited	Azoxystrobin 23% SC	Green to Blue	Satisfactory
20	EN-57750	Agrow Allied Ventures Private Limited	Gibberellic Acid 0.001% L	Green to Blue	Satisfactory
21	EN-54744	Volkschem Crop Science Pvt. Ltd	Tricyclazole 18% +Mancozeb 62% WP	Yellow to Blue	Satisfactory
22	EN-54746	Volkschem Crop Science Pvt. Ltd	Fenoxaprop-p-ethyl 7.77% + Metribuzin 13.6% ww EC	Yellow to Blue	Satisfactory
23	EN-54742	Volkschem Crop Science Pvt. Ltd	Transfluthrin 1.6%w/w LV	Green to Blue	Satisfactory
24	EN-54743	Volkschem Crop Science Pvt. Ltd	Transfluthrin 12% AE	Green to Blue	Satisfactory
25	EN-54741	Volkschem Crop Science Pvt. Ltd	Transfluthrin 1.2% LV	Green to Blue	Satisfactory
26	EN-57756	Volkschem Crop Science Pvt. Ltd	Thiacloprid 21.7% SC	Yellow to Blue	Satisfactory
27	EN-54740	Volkschem Crop Science Pvt. Ltd	Transfluthrin 0.03% Mosquito Coil	Green to Blue	Satisfactory
28	EN-54739	Volkschem Crop Science Pvt. Ltd	Thifluzamide 24 % SC	Green to Blue	Satisfactory
29	EN-54735	Volkschem Crop Science Pvt. Ltd	Pyriproxyfen 5% + Fenpropathrin 15% EC	Yellow to Blue	Satisfactory
30	EN-54733	Volkschem Crop Science Pvt. Ltd	Pyridalyl 10% EC	Green to Blue	Satisfactory
31	EN-54734	Volkschem Crop Science Pvt. Ltd	Pyriproxyfen 0.5% GR	Green to Blue	Satisfactory
32	EN-54732	Volkschem Crop Science Pvt. Ltd	Pyraclostrobin 20% WG	Green to Blue	Satisfactory
33	EN-54731	Volkschem Crop Science Pvt. Ltd	Propiconazole 10.7% + Tricyclazole 34.2% SE	Yellow to Blue	Satisfactory
34	EN-54730	Volkschem Crop Science Pvt. Ltd	Propargite 57% EC	Yellow to Blue	Satisfactory

35	EN-54729	Volkschem Crop Science Pvt. Ltd	Pretilachlor 37% w/w EW	Green to Blue	Satisfactory
36	EN-54728	Volkschem Crop Science Pvt. Ltd	Pretilachlor 6.0% + Pyrazosulfuron Ethyl 0.15% GR	Green to Blue	Satisfactory
37	EN-54726	Volkschem Crop Science Pvt. Ltd	Novaluron 5.25% + Indoxacarb 4.5% w/w SC	Yellow to Blue	Satisfactory
38	EN-54724	Volkschem Crop Science Pvt. Ltd	Metsulfuron methyl 20% WG	Green to Blue	Satisfactory
39	EN-54722	Volkschem Crop Science Pvt. Ltd	Metalaxyl-M 3.3% + Chlorothalonil 33.1% SC	Red to Blue	Satisfactory
40	EN-54720	Volkschem Crop Science Pvt. Ltd	Mandipropamid 23.4% SC	Green to Blue	Satisfactory
41	EN-54719	Volkschem Crop Science Pvt. Ltd	Mancozeb 75% WG	Green to Blue	Satisfactory
42	EN-54717	Volkschem Crop Science Pvt. Ltd	Lufenuron 5.4% EC	Green to Blue	Satisfactory
43	EN-54715	Volkschem Crop Science Pvt. Ltd	Lambda-cyhalothrin 4.9% CS	Yellow to Blue	Satisfactory
44	EN-54713	Volkschem Crop Science Pvt. Ltd	Kresoxim-Methyl 44.3% w/w (500 g/l) SC	Green to Blue	Satisfactory
45	EN-54711	Volkschem Crop Science Pvt. Ltd	Indoxacarb 15.8% EC	Red to Blue	Satisfactory
46	EN-54710	Volkschem Crop Science Pvt. Ltd	Indoxacarb 14.5% SC	Yellow to Blue	Satisfactory
47	EN-54709	Volkschem Crop Science Pvt. Ltd	Indoxacarb 14.5% + Acetamiprid 7.7% w/w SC	Yellow to Blue	Satisfactory
48	EN-54708	Volkschem Crop Science Pvt. Ltd	Imiprothrin 0.07% + Cypermethrin 0.2% Aerosol	Yellow to Blue	Satisfactory
49	EN-54707	Volkschem Crop Science Pvt. Ltd	Imiprothrin 0.05% + Cypermethrin 1.0% CL	Yellow to Blue	Satisfactory
50	EN-54706	Volkschem Crop Science Pvt. Ltd	Imiprothrin 0.1% + Cyphenothrin 0.15% Aerosol	Yellow to Blue	Satisfactory

51	EN-54704	Volkschem Crop Science Pvt. Ltd	Imidacloprid 0.3% GR	Yellow to Blue	Satisfactory
52	EN-54703	Volkschem Crop Science Pvt. Ltd	IMAZATHAPYR 70% WG	Green to Blue	Satisfactory
53	EN-54702	Volkschem Crop Science Pvt. Ltd	Imazamox 35% + Imazethapyr 35% WG	Green to Blue	Satisfactory
54	EN-54701	Volkschem Crop Science Pvt. Ltd	Hexythiazox 5.45% EC	Green to Blue	Satisfactory
55	EN-54699	Volkschem Crop Science Pvt. Ltd	Gibberellic Acid 0.001% L	Green to Blue	Satisfactory
56	EN-54698	Volkschem Crop Science Pvt. Ltd	Flubendiamide 39.35 % m/m SC	Green to Blue	Satisfactory
57	EN-54697	Volkschem Crop Science Pvt. Ltd	Flubendiamide 20% WG	Green to Blue	Satisfactory
58	EN-54696	Volkschem Crop Science Pvt. Ltd	Fipronil 4% + Acetamiprid 4% SC	Yellow to Blue	Satisfactory
59	EN-54695	Volkschem Crop Science Pvt. Ltd	Fipronil 2.92% EC	Yellow to Blue	Satisfactory
60	EN-54693	Volkschem Crop Science Pvt. Ltd	Fenvalerate 0.4% D.P	Yellow to Blue	Satisfactory
61	EN-54694	Volkschem Crop Science Pvt. Ltd	Fipronil 0.05% Gel	Yellow to Blue	Satisfactory
62	EN-54692	Volkschem Crop Science Pvt. Ltd	Fenpyroximate 5% SC	Yellow to Blue	Satisfactory
63	EN-54691	Volkschem Crop Science Pvt. Ltd	Fenpyroximate 5% EC	Yellow to Blue	Satisfactory
64	EN-54689	Volkschem Crop Science Pvt. Ltd	Emamectin Benzoate 5% SG	Yellow to Blue	Satisfactory
65	EN-54688	Volkschem Crop Science Pvt. Ltd	Emamectin Benzoate 1.9% EC	Yellow to Blue	Satisfactory
66	EN-54687	Volkschem Crop Science Pvt. Ltd	d-trans Allethrin 0.1% w/w Mosquito Coil(11 hours min.)	Yellow to Blue	Satisfactory
67	EN-54686	Volkschem Crop Science Pvt. Ltd	d-trans Allethrin 0.1% Mosquito Coil (8 Hours min.)	Yellow to Blue	Satisfactory

68	EN-54685	Volkschem Crop Science Pvt. Ltd	d-trans Allethrin 0.1% Mosquito coil (6 hours min.)	Yellow to Blue	Satisfactory
69	EN-54683	Volkschem Crop Science Pvt. Ltd	Deltamethrin 25% Tablet	Yellow to Blue	Satisfactory
70	EN-54682	Volkschem Crop Science Pvt. Ltd	DELTAMETHRIN 0.5% CHALK	Yellow to Blue	Satisfactory
71	EN-54681	Volkschem Crop Science Pvt. Ltd	Cyfluthrin 5% EW	Yellow to Blue	Satisfactory
72	EN-54680	Volkschem Crop Science Pvt. Ltd	Clomazone 20% w/w + 2,4-D Ethyl Ester 30% w/w EC Ready Mix.	Yellow to Blue	Satisfactory
73	EN-54679	Volkschem Crop Science Pvt. Ltd	Chlorpropham 50% HN	Green to Blue	Satisfactory
74	EN-54678	Volkschem Crop Science Pvt. Ltd	Chlorfluzuron 5.4% EC	Green to Blue	Satisfactory
75	EN-54677	Volkschem Crop Science Pvt. Ltd	Chlorantraniliprole 18.5% SC	Green to Blue	Satisfactory
76	EN-54676	Volkschem Crop Science Pvt. Ltd	Chlorantraniliprole 9.3% + Lambda cyhalothrin 4.6% ZC	Yellow to Blue	Satisfactory
77	EN-54675	Volkschem Crop Science Pvt. Ltd	CARBENDAZIM 25% + MANCOZEB 50% WS	Green to Blue	Satisfactory
78	EN-54674	Volkschem Crop Science Pvt. Ltd	CARBENDAZIM 12% + MANCOZEB 63% WP	Green to Blue	Satisfactory
79	EN-54673	Volkschem Crop Science Pvt. Ltd	Bromadiolone 0.005% R.B	Red to Blue	Satisfactory
80	EN-54672	Volkschem Crop Science Pvt. Ltd	Bifenthrin 2.5% EC	Yellow to Blue	Satisfactory
81	EN-54671	Volkschem Crop Science Pvt. Ltd	Bifenthrin 0.05% MC (for 8 hours)	Yellow to Blue	Satisfactory
82	EN-54670	Volkschem Crop Science Pvt. Ltd	Beta-cyfluthrin 2.45% SC	Yellow to Blue	Satisfactory
83	EN-54669	Volkschem Crop Science Pvt. Ltd	Bensulfuron Methyl 60% DF	Green to Blue	Satisfactory

84	EN-54668	Volkschem Crop Science Pvt. Ltd	Bensulfuron Methyl 0.6 % + Pretilachlor 6 % GR (Ready mix)	Green to Blue	Satisfactory
85	EN-54667	Volkschem Crop Science Pvt. Ltd	Azoxystrobin 23% SC for indigenous manufacture	Green to Blue	Satisfactory
86	EN-54666	Volkschem Crop Science Pvt. Ltd	Aluminium Phosphide 6% Tablet	Red to Yellow	Satisfactory
87	EN-56943	Atul Limited	2,4-D Ethyl ester 38% EC	Yellow to Blue	Satisfactory
88	EN-57687	BR Agrotech ltd	Alphacypermethrin 10% SC	Yellow to Blue	Satisfactory
89	EN-57686	BR Agrotech ltd	Imazethapyr 70% WG	Green to Blue	Satisfactory
90	EN-57685	BR Agrotech ltd	Penoxsulam 21.7% SC	Green to Blue	Satisfactory
91	EN-57684	BR Agrotech ltd	Emamectin Benzoate 5% SG	Yellow to Blue	Satisfactory
92	EN-57797	BR Agrotech ltd	Pyraclostrobin 20 % WG	Green to Blue	Satisfactory
93	EN-57653	Coromandel International Limited	Azoxystrobin 23% SC	Green to Blue	Satisfactory
94	EN-57654	Coromandel International Limited	Bifenthrin 2.5% EC	Yellow to Blue	Satisfactory
95	EN-57655	Coromandel International Limited	Carbendazim 25% + Mancozeb 50% WS	Green to Blue	Satisfactory
96	EN-57694	Coromandel International Limited	Chlorantraniliprole 18.5% SC	Green to Blue	Satisfactory
97	EN-57696	Coromandel International Limited	Fipronil 4% + Acetamiprid 4% SC	Yellow to Blue	Satisfactory
98	EN-57697	Coromandel International Limited	Hexythiazox 5.45% EC	Green to Blue	Satisfactory
99	EN-57698	Coromandel International Limited	Imazethapyr 10 % SL	Green to Blue	Satisfactory
100	EN-57695	Coromandel International Limited	Emamectin Benzoate 1.9% EC	Yellow to Blue	Satisfactory

101	EN-58483	SARAWATI AGROCHEMICALS INDIA PVT. LTD.	Fipronil-2.92% EC	Yellow to Blue	Satisfactory

Annexure-10.20.2

Application for endorsement in toxicity triangle endorsement U/s 9(3) 9(4).

Sr. No.	App. No.	Company Name	Pesticide Name	Toxicity Colour	Remarks
1	EN-57892	NACL Industries Limited	Chlorantraniliprol 18.5 % SC	Green to Blue	Satisfactory
2	EN-57927	Indogulf Cropsciences Limited	Imazethapyr 10% SL	Green to Blue	Satisfactory
3	EN-57929	Indogulf Cropsciences Limited	Oxyfluorfen 23.5% EC	Green to Blue	Satisfactory
4	EN-57822	ADAMA India Pvt. Ltd.	Imazethapyr 10% SL	Green to Blue	Satisfactory
5	EN-57698	Coromandel International Limited	Imazethapyr 10 % SL	Green to Blue	Satisfactory
6	EN-57929	Indogulf Cropsciences Limited	Oxyfluorfen 23.5% EC	Yellow to Blue	Satisfactory
7	EN-57821	ADAMA India Pvt. Ltd.	Pretilachlor 50% EC	Green to Blue	Satisfactory
8.	EN-57892	NACL Industries Limited	Chlorantraniliprol 18.5 % SC	Green to Blue	Satisfactory

Annexure-10.21.1

Applications of Shelf-Life enhancement under section 9(4) endorsement.

Sr. No.	File No.	Company Name	Product Name	Proposed Shelf-life enhancement
1.	EN-57160	Indo Bogher Plant Science Private Limited	Chlorpyriphos-1.5%DP	From one year to two years
2.	EN-57092	Nabadurga Pesticides Private Limited	Profenofos-40% + Cypermethrin-4%EC	One and half years to two years
3.	EN-57085	Jaycee Life Sciences	Pyriproxyfen 10% + Bifenthrin 10% w/w EC	One and half years to two years
4.	EN-57078	SAFEX CHEMICALS INDIA LTD.	Pyriproxyfen 10% + Bifenthrin 10% w/w EC	One and half years to two years
5.	EN-57089	Sayona Crop Care	Profenofos-40% + Cypermethrin-4%EC	One and half years to two years
6.	EN-57034	Shivashakti Agritech Limited	Pendimethalin-38.7% CS	From one year to two years
7.	EN-57035	Shivashakti Agritech Limited	Profenophos-50% EC	from one year to two years
8.	EN-55726	CHEMET WETS & FLOWS PVT. LTD	Metalaxyl 35% WS.	From one year to two years
9.	EN-55974	Biogreen Technology Private Limited	Neem Seed Kernel Based EC containing AZADIRACHTIN 0.15% EC (1500 ppm) min	from one year to two years
10.	EN-55574	Agroking Pesticides Pvt. Ltd	Malathion -50% EC	From one year to two years
11.	EN-56585	SAFEX CHEMICALS INDIA LTD	Diuron-80% WP	From one year to two years
12.	EN-55268	Mangla Agro Products	Emamectin Benaoate5% SG	One and half years to two years
13.	EN-55661	Shri Ram Solvent Extractions pvt. Ltd.	Neem Kernel Based EC Containing Azadirachtin 0.3% w/w min (3000 PPM)	From one year to two years
14.	EN-55186	Agro Care.	CARBENDAZIM-50% WP	From two years to five years
15.	EN-55212	Agro Care.	Emamectin Benzoate 5% SG	One and half years to two years
16.	EN-55208	Agro Care	Diamethoate-30% EC	From one year to two years
17.	EN-56479	UNIKIL PESTICIDES P LTD	Temephos-1% GR.	From one year to two years

18.	EN-55605	Jaya Laskhmi FERTILIZERS	Pyriproxifen-10% + Bifenthrin-10% EC	One and half years to two years
19.	EN-55810	Sai Ram Agritech pvt. Ltd.	Emamectin Benzoate 5% SG	From one year to two years
20.	EN-55663	Shri Ram Solvent Extractions pvt. Ltd.	Neem Kernel Based EC Containing Azadirachtin 0.15% EC	One and half years to two years
21.	EN-57572	Nabadurga Pesticides Pvt. Ltd	Neem Kernel Based EC Containing Azadirachtin 0.15% EC (1500ppm)	From one year to two years
22.	EN-57138	LAKSHMI PESTICIDES	Emamectin benzoate- 5%SG	One and half years to two years
23.	EN-56570	Indogulf Crop Sciences Limited	Dimethoate 30% EC	One and half years to two years
24.	EN-57043	Shivshakti Agritech Ltd.	Emamectin Benzoate- 5% SG	One and half years to two years
25.	EN-57053	JAYALAKSHMI FERTILISERS	Neem Seed Kernel Based EC containing AZADIRACHTIN 0.15% EC (1500 ppm) min	From one year to two years
26.	EN-57018	BIOS CROPCARE PVT LTD.	Pendimethalin 38.7% CS	From one year to two years
27.	EN-57044	Shivashakti Agritech Limited	Fipronil 4% W/W + Thiamethoxam 4% W/W SC	One and half years to two years
28.	EN-57046	SHIVASHAKTI AGRITEC LIMITED	Fipronil 0.3% GR	From one year to two years
29.	EN-57049	SHIVASHAKTI AGRITEC LIMITED	Acephate 50% +Imidacloprid 1.8% SP	from One year to two years
30.	EN-57587	Nabadurga Pesticides Pvt. Ltd.	Dimehtoate-30% EC	One and half years to two years
31.	EN-57588	Nabadurga Pesticides Pvt. Ltd.	Phenthoate-50% EC	From one year to two years
32.	EN-57583	Nabadurga Pesticides Pvt. Ltd.	Pyriproxifen-10% + Bifenthrin-10% EC	One and half years to two years
33.	EN-57586	Nabadurga Pesticides Private Limited	Diuron-80% WP	From one year to two years
34.	EN-57581	Nabadurga Pesticides Private Limited	Pyraclostrobin-20% WG	From one year to two years
35.	EN-57507	Jai Farm Chemicals Pvt. Ltd.	Acephate 50% + Imidacloprid 1.8% SP	from One year to two years
36.	EN-57408	CRESCENT AGRO CHEMICALS	EMAMECTINE BENZOATE-5% SG	One and half years to two years
37.	EN-57580	Nabadurga Pesticides Private Limited	Temephos-1% Granules	One and half years to two years

38.	EN-57500	Kemicides Crop Protection Private Limited	Neem extract concentrate containing Azadirachtin-5% w/w min	From one year to two years
39.	EN-57501	Kemicides Crop Protection Private Limited	Phenthoate-50% EC	From one year to two years
40.	EN-48740	GNP Agrosience Pvt. Ltd	ZIRAM-27% SC	From one year to two years

A: Applications for Import Permit of Dual Use Insecticides

S. No	Application Details	Name of the Chemical, Quantity approved, use and source of Import
1	IM-1746 Dr. Reddys Laboratories Limited	Approved import of 10 kgs of Boric Acid to be used in the manufacturing of Brimonidine Tartrate Ophthalmic Solution 0.025%, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: Merck KGaA, Frankfurter Str. 250 64293 Darmstadt – Germany
2	IM-1740 RAGHAV PRODUCTIVITY SOLUTIONS PRIVATE LIMITED	Approved import of 450 MT of Boric Acid to be used as a binder to make ramming mass which is a refractory material used in Lining of Induction furnaces making steel/castings. Source of Import: 1. Eti Maden Operations, Kizilirmak Mahallesi 1443. Cadde No.5 06530 Cukurambar Cankaya/Ankara, Turkey 2. Borax Europe Ltd., 6 St. James's Square London SW1Y 4AD UK 3. U.S. BORAX INC., 14486 BORAX ROAD BORON, CA 93516 USA 4. RARE MINES FZCO, Unit No: 30-01-5309, Plot No: DMCC-PH2-J, Jewellery & Gemplex 3, Dubai, United Arab Emirates 5. Inkabor S.A.C., Av. Italia 101 Parque Industrial Rio Seco, Cerro Colorado- Arequipa - Peru
3	IM-1768 Dr. Reddys Laboratories Limited	Approved import of 25 kgs of Boric Acid for Manufacturing of Difluprednate Ophthalmic Emulsion Bulk Solution 0.5mg/ml, Ciprofloxacin 0.3% and Dexamethasone 0.1% Otic Suspension USP and Brimonidine Tartrate Ophthalmic Solution 0.025%, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1. Kirsch Pharma Shanghai Co., Ltd., Unit 733, Tower 2, 88 Keyuan Road Shanghai 201203 PR China

		2. Avantor Performance Materials, LLC 100 Matsonford Rd, Suite 200, Radnor, PA,19087. U.S.A
4	IM-1793 SHRI BALAJI IMPEX	Approved import of 500 MT of Boric Acid for use in manufacturing of ALBENDAZOLE and FENBENDAZOLE, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1) M/s. Borax Europe Ltd, 6 St. James's Square London SW1Y 4AD United Kingdom 2) M/s. U.S. BORAX INC., 14486 BORAX ROAD BORON, CA 93516 USA 3) M/s. Rare Mines FZCO, (Agent of ETI MADEN ISLETMELERI GENEL MUDURLUGU), 1707, Indigo Icon, Plot No: JLT-PH1-F3A, Jumeirah Lakes Towers, Dubai, UAE 4) M/s. ETI MADEN ISLETMELERI GENEL MUDURLUGU. KIZILIRMAK MAHALLESİ, 1443 CADDE NO. 5, 06530 CUKURAMBAR, CANKAYA, ANKARA, TURKIYE 5) M/s. INKABOR S.A.C.. AV. ITALIA 101, P.I. RIO SECO, CERRO COLORADO, AREQUIPA-04017, PERU
5	IM-1749 Sunrise Chemicals	Approved import of 300 MT of Camphor for use in manufacturing of Camphor Tablets and Fragrance, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1. Ventos Essential Oil & Aromatics (Shanghai) Co., Ltd., Bldg. 6, No 630 Xingbang RD, Jiading Ind. Zone, Shanghai, China 2. Jiaxing Barton Chemicals Inc., No. 162, Fu Ming Road, Hong He Town, Jiaxing, Zhejiang, China – 314023 3. Chongqing Transdream Technology Co. Ltd., Group 4/5, Ronggui village Fuling 408000 Chongqing, China

		4. Shanghai Luckysea Chemical Co. Ltd., Room 118, Building 20, Hongxiang North RD Wanxiang Town Pudong, Shanghai, China 5. Fujian Nanping Green Pine Chemical Co. Ltd., No. 85, Taqian Road, Huiyao Industrial Park Jianyang, Fujian, China 354200
6	IM-1751 PUNJAB CHEMICALS AND CROP PROTECTION LIMITED	Approved import of 795 MT of Yellow Phosphorous 99.5% Min. for use in manufacturing of Phosphoric Acid & Phosphorous Pentoxide for use in Industrial, Pharmaceutical, food grade, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1. Manufacturer: M/s VIETNAM APATITE PHOSPHORUS JOINT STOCK COMPANY Tang Loong Industrial Zone, Tang Loong Commune, Lao Cai Province, Vietnam. <i>Supplier: M/s K.S. INTERNATIONAL FZE, RAK Free Trade Zone, BC2, Business Park, Office No.327, Ras Al. Khaima, United Arab Emirates.</i> 2. Manufacturer: M/s DUC GIANG LAO CAI CHEMICALS LIMITED COMPANY, Tang Loong Industrial Zone, Tang Loong Commune, Lao Cai Province, Vietnam. <i>Supplier: M/s K.S. INTERNATIONAL FZE, RAK Free Trade Zone, BC2, Business Park, Office No.327, Ras Al. Khaima, United Arab Emirates.</i> 3. <i>Manufacturer and supplier: LAO CAI YELLOW PHOSPHORUS JOINT STOCK COMPANY, Tang Loong Industrial Zone, Tang Loong Commune, Lao Cai Province, Vietnam.</i> 3. Manufacturer: Zhambyl Branch of "NDPP" Limited Liability Partnership "Phosphorus Plant", 126, Abay Av., Taraz, Zhambyl region, 080000, Republic of Kazakhstan <i>Supplier: "NDPP" Limited Liability Partnership Dostyk Avenue, Building 85A, Block 1, Office 429, Medeu District, Almaty 050000, Republic of Kazakhstan</i> 4. Manufacturer: ESACO LAO CAI CORPORATION, Tang Loong Industrial Zone, Tang Loong Commune, Lao Cai Province, Vietnam <i>Supplier: ITOCHU CHEMICAL FRONTIER Corporation, 1-3, Umeda 3-chome, Kita-ku, Osaka 530-0001, Japan.</i>
7	IM-1761 Grauer & Weil (India) Ltd	Approved import of 130 MT of Copper Cyanide to be used in the manufacturing of Copper Salts Source of Import: BEECOM INC CORPORATION, 14F, 340, OLYMPIC-RO, SONGPA-GU, SEOUL, REPUBLIC OF KOREA

8	IM-1752 NISHANT AROMAS PRIVATE LIMITED	Approved import of 20 MT of 1.8 CINEOL, (EUCALYPTOL) to be used in the manufacturing of Perfumery Compounds and Fragrance Chemicals, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. <i>Source of Import:</i> 1. Jiangxi Huayu Aromatic Technology Inc., Huayu Road, Industrial Park A, Jinxi County, Jiangxi Province, China 2. Jinxi Cathay Aroma Co. Ltd., Bio Hightec Industry Park, Western Jinxi, Fuzhou City, Jiangxi, China 3. Jiangxi Origin Aromatics Co. Ltd., Huasheng Road, Hedong Economic Development Zone, Qingyuan District, Ji'An City, Jiangxi Province, China 4. YunNan Lorraine Aromatic Products Co., Ltd., 4th Floor, No.2 Building, Xingwang Industrial Park, Economic Development Zone, Kunming Area, China 5. Hangzhou Alpha Technology Co. Limited, Room 2015, HZ3058, Trend Centre, 29-31 Cheung Lee Street, Chai Wan, Hong Kong
9	IM-1733 Darshan Finechem Private Limited	Approved import of 100 MT of Yellow Phosphorus for manufacturing of Phosphorous Trichloride, Phosphorous Penta Chloride, and Phosphorous Oxy Chloride, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1. Vietnam Phosphorus Joint Stock Company, Tang Loong Industrial Zone, Tang Loong Commune District- Lao Cai Province Vietnam. 2. Victory Joint Stock Company, Lot F21, Phung Hung Str., Dong Pho Moi Industrial Zone, Van Hoa Commune, Lao Cai City, Lao Cai province, Vietnam. 3. Viet Nam Yellow Phosphorus Co Ltd Tang Loong Industrial Zone, Tang Loong, Lao Cai, Viet Nam. 4. Itochu Chemical Frontier Corporation, 1-3 Umeda 3-Chome Kita-KU Osaka-530- 0001, Japan. 5. Duc Giang Chemicals Group Joint Stock Company, 44 Due Giang Thuong Thanh Long Bien, Ha Noi Vietnam.
10	IM-1748 Sunrise Chemicals	Approved import of 500 MT Thiourea for manufacturing of Albendazole & Melbendazole, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-

		tagging of premises where the insecticide is intended to be stored and utilized for manufacturing of Albendazole & Melbendazole as submitted in Form I to be done. Source of Import: 1. Fortune Group Co. Ltd., West of Northwest Xin River, Louzi Village, Qidu Town, Linzi, Zibo, Shandong, China. 2. Zibo Haoyi Environmental Protection And Technology Co. Ltd., No. 6 Wantong Alley, Jinshan Town, Linzi, Zibo, Shandong, China 3. Farmasino Co. Ltd., Office: Building 5, No. 9 Weidi Road, Nanjing (210033) China R&D Center: No.9 Weidi Road, Nanjing, Jiangsu Province, China Plant: Wujiang Fine Chemical Base, Hexian Anhui, China 4. Zhejiang Chemicals Import & Export Corporation, No.37, Qingchun Road, Hangzhou, 310009, China 5. Efirm New Material Co. Ltd., Boxing Economic Development Zone, Binzhou, Shandong, China.
11	IM-1766 Sandhya Organic Chemicals Pvt. Ltd.	Approved import of 892 MT of Phosphorus 99.9% min to be used in the manufacturing of Aluminium Phosphide and Zinc Phosphide, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1. Manufacturer: ESACO LAO CAI CORPORATION Tang Loong Industrial Zone, Tang Loong, Lao Cai, Vietnam and Supplier: ITOCHU CHEMICAL FRONTIER CORPORATION 1-3, Umeda, 3-Chome Kita Ku, Osaka - 5300001, Japan. 2. Manufacturer & Supplier: VIET NAM YELLOW PHOSPHORUS CO., LTD. Tang Loong Industrial Zone, Tang Loong, Lao Cai, Viet Nam 3. Manufacturer & Supplier: M/s NDPP Limited Liability Partnership Dostyk Avenue, Building 85A, Block 1, Office 429, Medeu District, Almaty 050000, Republic of Kazakhstan 4. Manufacturer & Supplier: VIETNAM PHOSPHORUS JOINT STOCK COMPANY Tang Loong Industrial Zone, Tang Loong, Commune, Lao Cai Province, Vietnam. 5. Manufacturer: VIET NAM APATITE - PHOSPHORUS JOINT STOCK COMPANY Tang Loong Industrial Zone, Tang Loong, Commune, Lao Cai Province, Vietnam and Supplier: KS INTERNATIONAL FZE PO Box 66632, Deira, Dubai, UAE. Regd. Office - Rak Free Trade Zone, BC2, Business Park, Office No. 327, Ras Al-Khaima, UAE
12	IM-1753	Approved import of 5 MT of Eucalyptus Oil 60% to 80% for manufacturing of Perfumery Compounds and Fragrance Chemicals, subjected to on-site verification

	NISHANT AROMAS PRIVATE LIMITED	for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. <i>Source of Import:</i> 1. Jiangxi Huayu Aromatic Technology Inc., Huayu Road, Industrial Park A, Jinxi County, Jiangxi Province, China 2. Jinxi Cathay Aroma Co. Ltd., Bio Hightec Industry Park, Western Jinxi, Fuzhou City, Jiangxi, China 3. Jiangxi Origin Aromatics Co. Ltd., Huasheng Road, Hedong Economic Development Zone, Qingyuan District, Ji 'An City, Jiangxi Province, China 4. YunNan Lorraine Aromatic Products Co., Ltd., 4th Floor, No.2 Building, Xingwang Industrial Park, Economic Development Zone, Kunming Area, China 5. Hangzhou Alpha Technology Co. Limited, Room 2015, HZ3058, Trend Centre, 29-31 Cheung Lee Street, Chai Wan, Hong Kong
13	IM-1765 Sumitomo Chemical India Ltd	Approved import of 1500 MT of Yellow Phosphorous to be used in the manufacturing of Aluminium Phosphide Technical & its formulation and Zinc Phosphide & its formulations, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1. Manufacturer: ESACO LAO CAI CORPORATION, TANGLOONG INDUSTRIAL ZONE BAO THANG DIST, LAO CAI VIETNAM Supplier : ITOCHU CHEMICAL FRONTIER Corporation, 1-3, UMEDA 3- CHOME, KITA-KU, OSAKA 530-0001 JAPAN 2. Manufacturer: M/S. Vietnam Apatite Phosphorus Joint Stock Company, Address- Tang Loong Industrial Zone, Bao Thang Dist, Lao Cai Province, Vietnam. Supplier : M/S. K S International FZE., P O Box 66632, Deira, Dubai, UAE, Regd. Office – Rak Free Trade Zone, Bc2, Business Park, Office No. 327, Ras Al. Khaima, UAE 3. Manufacturer: VIET NAM YELLOW PHOSPHORUS CO.,LTD, Tang Loong Industrial Zone, Bao Thang, Lao Cai, Viet Nam Supplier : VIET NAM YELLOW PHOSPHORUS CO.,LTD, Tang Loong Industrial Zone, Bao Thang, Lao Cai, Viet Nam 4. Manufacturer: M/S Duc Giang Lao Cai Chemicals Limited Company, AddressTang Loong Industrial Zone, Bao Thang Dist., Lao Cai Province, Vietnam. Supplier : M/S. K S International FZE., P O Box 66632, Deira, Dubai, UAE, Regd. Office – Rak Free Trade Zone, Bc2, Business Park, Office No. 327, Ras Al. Khaima, UAE 5. Manufacturer: NDPP Limited Liability Partnership, Address: 126, Abaya Ave, Taraz 080000, Zhambyl region, Republic of

		Kazakhstan. Supplier : M/S. K S International FZE., P O Box 66632, Deira, Dubai, UAE, Regd. Office – Rak Free Trade Zone, Bc2, Business Park, Office No. 327, Ras Al. Khaima, UAE
14	IM-1770 Tagros Chemicals India Private Limited	Approved import of 930 MT (for 3 years) Carbon disulphide to manufacture Fipronil Technical, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1. M/s. Thai Rayon Public Company Ltd., 888/160-1 MAHATUN PLAZA BULDING, 16TH FLOOR, POLENCHIT ROAD, LUMPINI, PATUMWAN, BANGKOK 10330, Thailand 2. M/s. MITSUI AND CO PLASTICS LTD., 3-1 OHEMACHI 1-CHOME CHIYODA-KU TOKYO 100-6808 JAPAN TOKYO JAPAN
15	IM-1811 Divis Laboratories Limited	Approved import of 78 MT Sodium Cyanide to be used in the manufacturing of SIGMA-I with ISA & ISB (Dextromethorphan HBR Intermediates) & Dextromethorphan HBR, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1. Imperial Chemical Corporation, No.3, Hsing Kung Road, Ta-She, Industrial Par, Dist. Kaohsiung Hsiang, Taiwan, R.O.C. 2. Nippon Soda Co. Ltd., 2767-12, Kojima-Shionasu, Kurashiki-City Okayama Japan. 3. Hebei Chengxin Co., Ltd., Yuanzhao RD, Yuanshi Country, Shijiazhuang City, Hebei Province, 051130, P.R. China. 4. Sojitz Corporation, 1 - 1, Uchisaiwaicho 2 – chome Chiyoda - ku, Tokyo 1008691, Japan.
16	IM-1775 BHILOSA INDUSTRIES PRIVATE LIMITED	Approved import of 2 MT of Antiseptic Oil Afrotin TN-X (containing Bronopol) for manufacturing of Partially Oriented Yarn (POY) & Fully Drawn Yarn (FDY), subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: M/s SCHILL+SEILACHER GMBH Address: SCHOENAICHER STRASSE 205 71032, BOEBLINGEN, GERMANY

17	IM-1774 BHILOSA INDUSTRIES PRIVATE LIMITED	Approved import of 10 MT of Antiseptic Oil Afrotin FT-X (containing Bronopol) for manufacturing of Partially Oriented Yarn (POY) & Fully Drawn Yarn (FDY), subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: M/s SCHILL+SEILACHER GMBH Address: SCHOENAICHER STRASSE 205 71032, BOEBLINGEN, GERMANY
18	IM-1807 BHILOSA INDUSTRIES PRIVATE LIMITED	Approved import of 5 MT of Antiseptic KHH (containing Bronopol) for manufacturing of Knitting and Crocheted synthetic, Partially Oriented Yarn (POY), Fully Drawn Yarn (FDY), Polyester Staple fibre (PSF), subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: SOJITZ CORPORATION, 1-1, UCHISAIWALCHO 2-CHOME, CHIYODA-KU, TOKYO 100-8691 JAPAN
19	IM-1806 BHILOSA INDUSTRIES PRIVATE LIMITED	Approved import of 15 MT of Antiseptic KBB (containing Bronopol) for manufacturing of Knitting and Crocheted synthetic, Partially Oriented Yarn (POY), Fully Drawn Yarn (FDY), Polyester Staple fibre (PSF), subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: SOJITZ CORPORATION, 1-1, UCHISAIWALCHO 2-CHOME, CHIYODA-KU, TOKYO 100-8691 JAPAN
20	IM-1779 M/s. R3 Crop Care Pvt. Ltd.	Approved import of 440 MT of Ethylene Di Chloride (EDC) for use in manufacturing of Chlorpyrriphos Technical, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import:

		1. M/s. Qatar Energy Marketing, Podium Level, Building No. 4, Street No. 951, Zone 63, P.O. Box No. 3212, Doha, State of Qatar. 2. Muntajat (Qatar Chemical and Petrochemical Marketing and Distribution company), Amwal Tower, Omar Al Mukhtar St, Al Dafna, Doha, Qatar PO Box 24646. 3. MA'ADEN, P.O. Box 68861 Riyadh 11537 Kingdom of Saudi Arabia. 4. M/s. TRICON ENERGY LTD., 777 POST OAK BLVD, SUITE 550, HOUSTON TEXAS 77056 USA. 5. Sabic Asia Pacific PTE. Ltd., One Temasek Avenue, # 06-01 Millenia Tower, Singapore 039192.
21	IM-1780 M/s. R3 Crop Care Pvt. Ltd.	Approved import of 750 MT Acrylonitrile (ACN) – 99% Min. for use in manufacturing of Chlorpyrifos Technical, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1. Vinmar International, 16825 Northchase Drive, Suite 1400 Houston, Texas 77060, USA 2. ICC Chemical Corporation, 725 Fifth Avenue 14th Floor New York, NY 10022, USA 3. Integra Petrochemicals Pte Ltd., 2 Battery Road #22-01 Maybank Tower Singapore 049907, Singapore
22	IM-1784 Yamuna Meta chem	Approved import of 20 MT of Potassium cyanide for use in manufacturing of Brass Salt, Copper cyanide, Zinc Salt, Electroplating Salt, Heat Treatment Salt, Metal Cleaner, Zinc Cyanide, Copper Salt, Nickel Sulphate and Copper Sulphate, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1. LUCEBNi ZAVODY DRASLOVKA AS, HAVLICKOVA 605, 280 02 KOLIN IV, CZECH REPUBLIC, Czech Republic 2. Nippon Soda Co. Ltd., Shin Ohtemachi Blg., 2-2-1, -Chome Ohtemachi, Chiyoda-ku, Tokyo 100- 8165, Japan 3. Cyplus GMBH, Deuts, Telekom- Alle 9, 64295 Darmstadt, Germany , Rodenbacher Chaussee 4 Hanau, Germany.
23	IM-1781 Bharat Jyoti Impex	Approved import of 500 MT of Thiourea for trading purpose for manufacturing of Albendazole and Melbendazole, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be

		stored and utilized for manufacturing of Albendazole and Melbendazole as submitted in Form I to be done. Source of Import: 1. <i>Manufacturer: Shandong Super Energy Industrial Company Address: Guangrao, Shandong, China Supplier: Levachem Co., Ltd. Unit-1: 21st Fl, Universal Mansion 188 Guang Zhou Road, Nanjing-210024, China Unit-2: LG 1, Mirror Tower, 61 Mody Road TSIM SHA TSUI, KL, Hongkong</i> 2. <i>Fortune Group Co. Ltd., West of Northwest Xin River, Louzi Village, Qidu Town, Linzi, Zibo, Shandong, China</i> 3. <i>Zibo Haoyi Environmental Protection and Technology Co. Ltd No 6 Wantong Alley, Jinshan Town, Linzi, Zibo, Shandong, China</i> 4. <i>Zhejiang Chemicals Import & Export Corporation No. 37, Qingchun Road, Hangzhou, 310009, China</i> 5. <i>Efirm New Material Co. Ltd., Boxing Economic Development Zone, Binzhou, Shandong, China</i>
24	IM-1812 Chemster India Pvt Ltd	Approved import of 15 MT of Yellow Phosphorous for manufacturing of Aluminium Phosphide, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: 1) M/S VIETNAM YELLOW PHOSPHORUS CO. LTD Address: Tang Loong Industrial Zone, Bao Thang, Lao cai Vietnam. 2) M/S VIET NAM APATITE PHOSPHORUS JOINT STOCK COMPANY Address: Tang Loong Industrial Zone, Bao Thang Dist., Lao Cai Province, Vietnam. 3) M/S VICTORY JOINT STOCK COMPANY Address: Lot F21, Phung Hung Str., Dong Pho Moi Industrial Zone, Van Hoa Commune, Lao Cai City, Lao Cai province, Vietnam 4) M/S VIETNAM PHOSPHORUS JOINT STOCK COMPANY Address: Tang Loong Industrial Zone, Bao Thang, Dist. Lao Cai Province, Vietnam. 5) MANUFACTURER NAME: (a) M/S CAHYA MATA PHOSPHATES INDUSTRIES SDN BHD Address: Lot 148, Block 1, Kemena Land District, Samalaju Industrial Park, 97300 Bintulu, Sarawak. Malaysia (b) M/S DUC GIANG LAO CAI CHEMICALS LIMITED COMPANY, Address: Tang Loong Industrial Zone, Tang Loong Commune, Lao Cai Province, Vietnam and SUPPLIER: M/S K. S. INTERNATIONAL FZE Address: RAK Free Trade Zone, BC2, Business Park, Office No. 327, Ras Al. Khaima, UAE.

25	IM-1782 Meghmani Organics Limited, Ahmedabad	This application pertains to endorsement in existing Import permit. To be applied in endorsement category. To be closed from here.
26	IM-1783 Meghmani Organics Limited, Ahmedabad	This application pertains to endorsement in existing Import permit. To be applied in endorsement category. To be closed from here.
27	IM-1785 Yamuna Meta chem	Approved import of 200 MT Sodium cyanide for use in manufacturing of Copper cyanide , Zinc Cyanide , Zinc Salt, Copper Salt, Brass Salt , Electroplating Salt, Heat Treatment Salt, Metal Cleaner, Nickel Sulphate and Copper Sulphate, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: <i>1. Manufacturer & Supplier: Ms LUCEBNI ZAVODY DRASLOVKA A.S., Kolin, Havlikova 605, 280 02 Kolin IV, Czech Republic.</i> <i>2. Manufacturer: Ms TAEKWANG INDUSTRIAL Co. Ltd., Taekwang Building 162-1, Jangchung – Dong, 2 GA Chung Ku, Seoul, Korea and Supplier: Ms UNID GLOBAL CORPORATION, 16th Fl, Ferum Tower, 19 Eulji-Ro 5 Gil (Suha – Dong) Jung-Gu, Seoul, Korea</i> <i>3. Manufacturer & Supplier: Ms Imperial Chemical Corporation, No.3 HSING KUNG ROAD, TA-SHE DISTRICT, KAOHSIUNG 811, TAIWAN</i> <i>4. Manufacturer: Nippon Soda Co. Ltd., Shin-Ohtemachi Blg., 2-1-2 Chome Ohtcmachi Chiyoda- ku, Tokyo 100-8691, Japan & Supplier: M/s Sojitz Corporation, 1-1, Uchisaiwaicha 2- Chome Chiyoda-Ku, Tokyo 100-8691, Japan</i> <i>5. Manufacturer & Supplier: M/s CyPlus GmbH, Rodenbacher Chaussee 4, Hanau, Germany</i>
28	IM-1772 LUCKY CHEMICAL INDUSTRIES	Approved import of 600 MT Yellow Phosphorus 99.95% min. to manufacture Phosphorus Trichloride, Phosphorus Oxychloride, Phosphorus Pentoxide, subjected to on-site verification for stock, consumption and end use of the insecticide as claimed to be used to be done by a team of Officers. Geo-tagging of premises where the insecticide is intended to be stored and utilized as submitted in Form I to be done. Source of Import: <i>1. Manufacturer: DUC GIANG LAO CAI CHEMICALS LIMITED COMPANY, Tang Loong Industrial Zone, Tang Loong Commune, Lao Cai Province, Vietnam</i> <i>Supplier: K S International FZE. Regd. Office – Rak Free Trade Zone, Bc2, Business Park, Office No. 327, Ras Al. Khaima, UAE</i>

		2. Manufacturer and Supplier: LAO CAI YELLOW PHOSPHORUS JOINT STOCK COMPANY, TANG LOONG INDUSTRIAL ZONE, TANG LOONG COMMUNE, LAO CAI PROVINCE, VIETNAM 3. Manufacturer: VIET NAM APATITE –PHOSPHORUS JOINT STOCK COMPANY, TANG LOONG, INDUSTRIAL ZONE, BAO THANG, DIST. LAO CAI PROVINCE, VIETNAM Supplier: K S International FZE. Regd. Office – Rak Free Trade Zone, Bc2, Business Park, Office No. 327, Ras Al. Khaima, UAE 4. Manufacturer and Supplier: VIET NAM YELLOW PHOSPHORUS CO. LTD., TANG LOONG INDUSTRIAL ZONE, BAO THANG, LAO CAI, VIETNAM 5. Manufacturer and Supplier: VIETNAM PHOSPHORUS JOINT STOCK COMPANY, TANG LOONG INDUSTRIAL ZONE, TANG LOONG TOWN BAO THANG DISTRICT, LAO CAI PROVINCE, 31216- VIETNAM,
29	IM-1804 EPIGRAL LIMITED	This application pertains to endorsement in existing Import permit. To be applied in endorsement category. To be closed from here.
30	IM-1778 M/s Aquapharm Chemical Limited	Approved import of 7000 MT Yellow Phosphorus 99.99% for manufacturing Phosphorous Trichloride Source of Import: 1. Manufacturer & Supplier: NDPP Limited Liability Partnership Address: Dostyk Avenue, Building 85A, Block 1, Office 429, Medeu District, Almaty – 050000, Republic of Kazakhstan 2. Manufacturers a. Duc Giang Lao Cai Chemicals Limited Company Tang Loong Industrial Zone, Tang Loong Commune, Lao Cai, Vietnam b. Viet Nam Apatite – Phosphorus Joint Stock Company Tang Loong Industrial Zone, Tang Loong Commune, Lao Cai, Vietnam Supplier: M/s K.S International Address: RAK Free Trade Zone, BC2, Business Park, Office No. 327, Ras Al Khaimah, UAE 3. Manufacturer & Supplier: Viet Nam Yellow Phosphorus Co. Ltd. Address: Tang Loong Industrial Zone, Tang Loong, Lao Cai, Vietnam 4. Manufacturer: Lao Cai Yellow Phosphorus Joint Stock Company:

		Address: Tang Loong Industrial Zone, Tang Loong Commune, Lao Cai Province, Vietnam Supplier: Victory Joint Stock Company Address: Lot F21, Phung Hung Street, Dong Pho Moi Industrial Zone, Lao Cai Ward, Lao Cai Province, Vietnam 5. Manufacturer: ESACO LAO CAI CORPORATION Address: Tang Loong Industrial Zone, Tang Loong Commune, Lao Cai Province, Vietnam Supplier: ITOCHU CHEMICAL FRONTIER Corporation Address: 1-3, Umeda 3-chome, Kita-ku, Osaka 530-0001, Japan
31	IM-1747 M/s Aquapharm Chemical Limited	Approved import of 4391 MT Phosphorus Acid for manufacturing of Industrial Product Manufacture ATMP – Amino Trimethylene Phosphonic Acid, DETMP – Diethylene Triamine Pentamethylene Phosphonic Acid, EDTMP – Ethylene Diamine Tetra Methylene Phosphonic Acid Source of Import: 1. <u>Manufacturer:</u> a. Shandong Haiyou Furuida Pharmaceutical Co., Ltd Address: Linshu development zone, Linshu, Shandong b. Zhenfeng Yiyang Chemical Co., Ltd Address: Chemical zone of Rudong development zone, Rudong city, Jiangsu <u>Supplier:</u> M/S. Jiangsu Zeri Chemical Co., Ltd., Address- 9f, World Trade Plaza, New North District, Changzhou, Jiangsu, China 2. <u>Manufacturer and Supplier:</u> M/s. Shandong Taihe Technologies Co., Ltd. Address - No.1, Shiliquan East Road, Shizhong District, Zaozhuang City, Shandong Province, P.R.China 3. <u>Manufacturer:</u> M/S. Zibo Tiandan Chemical Co., Ltd., Address - No.2 Of Weiqi Road, Qilu Chemical Industrial Park, Linzi District, Zibo City, China <u>Supplier:</u> M/S. Zibo Fengliang Trade Co., Ltd., Address- R-802, Qidu International Building B, Renmin Road Linzi District, Zibo, China 255400

		4. <u>Manufacturer:</u> M/s. Nantong Tendenci Chemical Co., Ltd. Address: Fine Chemical Industry Park, Rugao Port Economic Development Zone, Rugao City, Jiangsu Province <u>Supplier:</u> M/s. Wechem Company Limited, Address: Room 2107,21/F., Cc Wu Building,302-308 Hennessy Road, Wanchai, Hong Kong 5. <u>Manufacturer:</u> a. Hebei Jiaao Glycerol Chemical Co Ltd, Address- Longyao County Industrial Park, Hebei Province China b. Linshu Huasheng Chemical Co. Ltd. Address- West Xingfu Street, Linshu Economic Development Zone, Linyi City, Shandong, China <u>Supplier:</u> M/S. Microchem Specialities Trade Limited, Address: 14A Unionway Commercial Centre 283 Queen's Road Central Hongkong

B: Applications for Import of Biocides

S. No	Application Details	Name of the Chemical, Quantity approved, use and source of Import
1	IM-1745 Thor Chemicals India Private Limited	Approved 200 MT THOR LA 1209 (Containing Bronopol) to be used as a preservative in paints. Source of Import: Thor Specialities (UK) Ltd., Wincham Avenue, Wincham, Northwich, Cheshire, CW9 6GB, United Kingdom
2	IM-1756 BUCKMAN LABORATORIES INDIA PRIVATE LIMITED	Approved 200 MT BLX-14684 FUNGICIDE (Containing TCMTB-DMSC - Liquid Biocide to be used for tanning purpose in Leather industry. Source of Import:

		Manufacturer: M/s Buckman Laboratórios Ltda., Via Anhanguera, Km 107,5 - CEP13181-901 Sumaré – Brazil Supplier: 1. M/s Buckman Laboratories Inc., 1256, North Mclean Blvd, Memphis, TN38108, USA 2. Buckman Laboratórios Ltda Via Anhanguera, Km 107,5 - CEP 13181-901 Sumaré – Brazil 3. Buckman Laboratories (Asia) Pte Ltd Vision Exchange, 2 Venture drive#16-27, Singapore 608526
3	IM-1755 BUCKMAN LABORATORIES INDIA PRIVATE LIMITED	Approved 50 MT BLX-14686 FUNGICIDE (Containing TCMTB-DMSC Liquid Biocide) to be used for tanning purpose in Leather industry. Source of Import: Manufacturer: Buckman Laboratórios Ltda [TCMTB-DMSC] Via Anhanguera, Km 107,5 - CEP 13181-901 Sumaré – Brazil Supplier: Buckman Laboratories Inc 1256, North Mclean Blvd, Memphis, TN38108, USA Buckman Laboratórios Ltda Via Anhanguera, Km 107,5 - CEP 13181-901 Sumaré – Brazil Buckman Laboratories (Asia) Pte Ltd Vision Exchange, 2 Venture drive#16-27, Singapore 608526
4	IM-1754 BUCKMAN LABORATORIES INDIA PRIVATE LIMITED	Approved 60 MT BLX-14687 PRESERVATIVE (Containing TCMTB-DMSC - Liquid Biocide) to be used for tanning purpose in Leather industry. Source of Import: Manufacturer: Buckman Laboratórios Ltda [TCMTB-DMSC] Via Anhanguera, Km 107,5 - CEP 13181-901 Sumaré – Brazil Supplier: Buckman Laboratories Inc 1256, North Mclean Blvd, Memphis, TN38108, USA Buckman Laboratórios Ltda Via Anhanguera, Km 107,5 - CEP 13181-901 Sumaré – Brazil

		Buckman Laboratories (Asia) Pte Ltd Vision Exchange, 2 Venture drive#16-27, Singapore 608526
5	IM-1760 LANXESS INDIA PVT LTD	Approved 50 MT Preventol U tec G (containing 2-phenylphenol) to be used as a Preservative for leather segment, paints, coatings Source of Import: LANXESS Deutschland GmbH, BU: Material Protection Products 50569 Cologne, Germany
6	IM-1758 LANXESS INDIA PVT LTD	Approved 50 MT Intace B 350 (containing Carbendazim) to be used as a Preservative for Paper board & Packaging, Paper, Paints and Coatings Source of Import: LANXESS Pte. Ltd., 3A, International Business Park, #07-10/18, Icon @IBP Tower B, Singapore 609935
7	IM-1757 BUCKMAN LABORATORIES INDIA PRIVATE LIMITED	Approved 90 MT BLX-14683 PRESERVATIVE (Containing TCMTB-DMSC - Liquid Biocide) to be used for tanning purpose in Leather industry. Source of Import: Manufacturer: Buckman Laboratórios Ltda [TCMTB-DMSC] Via Anhanguera, Km 107,5 - CEP 13181-901 Sumaré – Brazil Supplier: Buckman Laboratories Inc 1256, North Mclean Blvd, Memphis, TN38108, USA Buckman Laboratórios Ltda Via Anhanguera, Km 107,5 - CEP 13181-901 Sumaré – Brazil Buckman Laboratories (Asia) Pte Ltd Vision Exchange, 2 Venture drive#16-27, Singapore 608526
8	IM-1763 LANXESS INDIA PVT LTD	Approved 50 MT Sea Nine 211 Antifouling agent (containing DCOIT) to be used in Marine Antifouling Paints

		Source of Import: Microbial Control (Switzerland)- GmbH, c/o ADPO Kallo LLH Haven 1931 9130 KALLO-GESLECHT BELGIUM Lanxess Chemical (China) Co. Ltd., 3-018-OF, Floor 3, Building 2, No. 3, Lin Hong Road, Changning District 200335 SHANGHAI CHINA
9	IM-1762 LANXESS INDIA PVT LTD	Approved 100 MT BIOX AM 146 (containing Diuron and Carbendazim) to be used as a Film Preservative in Water Based Decorative/Architectural Paints Source of Import: LANXESS Pte. Ltd., 3A, International Business Park, #07- 10/18, Icon @IBP Tower B, Singapore 609935
10	IM-1759 LANXESS INDIA PVT LTD	Approved 50 MT Intace B 350 E (containing Carbendazim) to be used as a Preservative for paper board, packaging, Paper, paints and coatings Source of Import: LANXESS Pte. Ltd., 3A, International Business Park, #07- 10/18, Icon @IBP Tower B, Singapore 609935 LANXESS SAS, 11, avenue Dubonnet Smart Parc Est 92407 Courbevoie cedex France
11	IM-1767 SalusZen Additives India Pvt Ltd	Approved 100 MT ProtecZen ZB (containing Zineb) to be used as preservative for paints. Source of Import: Agria S.A., Asenovgradsko shoes 4009, Plovdiv, Bulgaria
12	IM-1777 AKZO NOBEL INDIA LIMITED	Approved 90 MT Perozin Marine (containing Zineb Technical 95%) to be used as preservative in Antifouling paints. Source of Import: M/s Agria S.A., Asenovgradsko shose, 4009 Plovdiv, Bulgaria.
13	IM-1805 DASSAULT RELIANCE AEROSPACE LIMITED	Approved 0.052 MT Sealant (PR 1829 B1/2N ACCELERATOR PR1829B2N-F ACCELERATOR) (containing Ferbam/ dimethyldithiocarbamate) to be used as a sealant used in manufacture of aircraft assemblies

		Source of Import: 1. Gaches Chimie Specialites, 8 Rue Labouche,31084 Toulouse , France 2. PPG Industries Europe SarL, Darlington Road ,Site Location , 3883EU Co, Durham DL4 2QP Shildon United Kingdom
14	IM-1809 SRIVILAS HYDROTECH PVT LTD	Approved 100 MT Onnotech 3OZZ,Onnotech 83TPZ (Containing Zinc Pyrithione) to be used in paints and Coatings. Source of Import: 1. Cotek Specialties (Taicang) Co., Ltd., No.77 Beijing East Road, Taicang, Jiangsu, China, 215400 2. XI'AN FOREIGN TRADE AND ECONOMIC DEVELOPMENT CO., LTD., NO. 68, MIDDLE HUAN CHENG NAN ROAD, XI'AN - 710054, CHINA
15	IM-1788 SRIVILAS HYDROTECH PVT LTD	Approved 100 MT Onnotech 92SZ,Onnotech 94SZ,PROTEK DTH, PROTEK DHT (Containing TERBUTHYLAZINE) to be used in Decorative paints (non-agricultural use). Source of Import: 1. M/s Hangzhou Tianlong Biotechnology Co., Ltd., Room 1906, Fengqi Times Tower, No.338 Fengqi East Road, Hangzhou City, Zhejiang Province, China, 310020. 2. M/s Shandong Binnong Technology Co., Ltd, No.518, Yongxin Road, Binbei Town, Binzhou, Shandong, China.
16	IM-1789 SRIVILAS HYDROTECH PVT LTD	Approved 100 MT Onnotech 266Z, PROTEK DFT 30, PROTEK DTT,PROTEK DFT (Containing TERBUTRYN) to be used in Decorative paints (non-agricultural use). Source of Import: 1. M/s Hangzhou Tianlong Biotechnology Co., Ltd., Room 1906, Fengqi Times Tower, No.338 Fengqi East Road, Hangzhou City, Zhejiang Province, China, 310020. 2. M/s Shandong Binnong Technology Co., Ltd, No.518, Yongxin Road, Binbei Town, Binzhou, Shandong, China.

17	IM-1790 SRIVILAS HYDROTECH PVT LTD	Approved 100 MT Onnoplast DCO10, Onnoplast DCI10, Onnotech OD520, Onnotech OD910 (Containing DCOIT) to be used in Decorative paints (non-agricultural use). Source of Import: 1. M/s Dalian Sinobio Chemistry Co., Ltd, No. 166, Middle Guangyin Avenue, Fubei Industrial Park, Fuzhou, Jiangxi, China. 2. Heze Runxin Bio-technology Co.,Ltd., South Section of East Outer Ring Road, Dingtao County, Shandong, China
18	IM-1791 SRIVILAS HYDROTECH PVT LTD	Approved 100 MT ONNOTECH 7612Z,ONNOTECH 9207Z,ONNOTECH 629Z,ONNOTECH 3DBZ,ONNOTECH 3FAZ,ONNOTECH 6207Z,ONNOTECH OI20S,ONNOTECH 146Z,ONNOTECH P99SZ,ONNOTECH 4WPZ,ONNOTECH 876Z,ONNOTECH T02PZ (Containing IPBC) to be used in Decorative paints (non-agricultural use). Source of Import: 1. M/s Dalian Sinobio Chemistry Co., Ltd, No. 166, Middle Guangyin Avenue, Fubei Industrial Park, Fuzhou, Jiangxi, China. 2. Heze Runxin Bio-technology Co.,Ltd., South Section of East Outer Ring Road, Dingtao County, Shandong, China
19	IM- 1776 Troy Chemical (India) Private Limited	Approved 1 MT Cinon OI (containing IPBC) to be used as a Preservative in the paints formulation by the paints industry. Source of Import: Troy Rheinland GmbH, Industriepark 23, DE 56593, Horhausen, Germany
20	IM-1797 Arch Protection Chemicals Pvt Ltd	Approved 0.5 MT Glycakil 2000 (Containing IPBC) to be used as a Preservative in Cosmetics formulations. Source of Import: Arxada LLC., 3500 Trenton Ave, Williamsport, Pennsylvania (PA), 17701, USA
21	IM-1794 Arch Protection Chemicals Pvt Ltd	Approved 50 MT Proxel BZ Plus (Containing Zinc Pyrithione) to be used as a Preservative in paints by the paints industry. Source of Import: Arch UK Biocides Ltd., Hexagon Tower, Crumpsall Vale, Blackley, Manchester, M9 8GQ,

22	IM-1796 Arch Protection Chemicals Pvt Ltd	Approved 20 MT Glycakil-L (Containing IPBC) to be used as a Preservative in Cosmetics formulations. Source of Import: Arxada LLC., 3500 Trenton Ave, Williamsport, Pennsylvania (PA), 17701, USA

C: Applications for Indigenous Manufacture

S. No	Application Details	Name of the Chemical, Quantity approved, use and source of Import
1	IM-1764 LANXESS INDIA PVT LTD	Approved 1500 MT Bioban 363 B (Containing Diuron + Carbendazim) as a film preservative in water based decorative/architectural paints. Source of Technical: Source of Diuron technical: (1) Hikal Limited, Mumbai. (2) Meghmani Industries Ltd. (3) Bharat Rasayan Limited Source of Carbendazim technical (1) Parijat Industries Pvt. Ltd. (2) KR Life science Private Limited (3) Globex Agri Sciences Private Limited (supplied by B R Agrotech Limited) (4) Anhui Huaxing Chemical Industry Co. Ltd. (Source approved by CIBRC)
2	IM-1697 M/s Jubilant Agro Sciences Limited	Approved 40 MT Jubithione ZPB (Containing Zinc as a preservative for paints. Source of Technical: Jubilant Ingrevia Limited
3	IM-1769 SalusZen Additives India Pvt Ltd	ProtecZen ZB (containing Zineb) Deferred for want of clarification whether the applicant holds valid permit for import of Technical from declared source in Bulgaria.

4	IM-1800 Cerigo Additives Private Limited	Approved 1300 MT TROYSAN 107 (containing Carbendazim) as a preservative for paints. Source of Technical: Carbendazim: Globex Agriscience Pvt Ltd., PARIJAT INDUSTRIES (INDIA) LIMITED
5	IM-1801 Cerigo Additives Private Limited	Approved 650 MT TROYSAN S89 (containing Diuron and Carbendazim) as a preservative for paints. Source of Technical: Diuron: Hikal Limited, Bharat Rasayan Ltd., Megmani Industries Ltd. Carbendazim: Globex Agriscience Pvt Ltd., PARIJAT INDUSTRIES (INDIA) LIMITED
6	IM-1802 Cerigo Additives Private Limited	Approved 1400 MT TROYSAN S89B (containing Diuron) as a preservative for paints. Source of Technical: Diuron: Hikal Limited, Bharat Rasayan Ltd., Megmani Industries Ltd.
7	IM-1799 Cerigo Additives Private Limited	Approved 350 MT DENSIL DF (containing Diuron and Carbendazim) as a preservative for paints. Source of Technical: Diuron: Hikal Limited, Bharat Rasayan Ltd., Megmani Industries Ltd. Carbendazim: Globex Agriscience Pvt Ltd., PARIJAT INDUSTRIES (INDIA) LIMITED
8	IM-1803 M/s Jubilant Agro Sciences Limited	Approved 40 MT Jubithione ZPT 48 (Containing Zinc Pyrithione-40%) for Manufacturing Jubithione ZPT 48, which offer microbial protection to product like Scrub sponge, Non-scratch Scrub Sponge, Jet Scrubber, Heavy Duty Jet Scrubber Source of Technical: Manufactured in-house at Jubilant Ingrevia Limited, Bhartiagram, Gajraula, District Amroha, Uttar Pradesh

9	IM-1792 M/s Jubilant Agro Sciences Limited	Approved 1500 MT Jubithione ZPT 40 (Containing Zinc Pyrethione-40%) as a preservative for paints. Source of Technical: Manufactured in-house at Jubilant Ingrevia Limited, Bhartiagram, Gajraula, District Amroha, Uttar Pradesh

D: Applications for Amendment in Import Permits

Sr . No.	Application Details	Nature of Amendment requested in Import permit		
1.	EN-58600 Emnar Pharma Private Limited	Request for Extension of validity of Import Permit of Sodium Cyanide Permit No. 706/464/2025 dated 26.06.2025 valid till 25.06.2026. Approved extension of validity for six months.		
2	EN-58727 SYNERGY EARTH RESOURCES PVT LTD	Request for endorsement of change of name of source of Import of Sodium Fluorosilicate for Non-insecticidal use Ref. Import Permit No. 948/469/2026 dated 15.04.2026 valid till 01.04.2027. Approved Change of name of source of import as follows:		
		S. No. in Import permit	Sources in Present Import permit	Changes approved
		1	M/s VNT Trading Import Export JSC, locates Hanoi Office: Room 1304, Ct2 Vimenco Building, Nguyen Chanh Str, Trung Hoa, Cau Giay Dist, Hanoi 10000, Vietnam.	Phu Thuong Import Export Company Limited, No. 29, Alley 144 An Duong Vuong Street, Phu Thuong Ward, Ha Noi, Vietnam

		2	M/s Vnt Tradimex., Jsc, locates Hamlet 3, Hai Boi Village, Hai Boi Village, Hai Boi Commune Dong Anh District, Ha Noi, Vietnam	Hoa Thanh Joint Stock Company, 47C Le Lieu Street, Tan Son Nhi Ward, Ho Chi Minh City, Vietnam
		3	M/s Viet Nam Fareast Trading Company Limited, locates No. 29, Alley 144 An Duong Vuong Street, Phu Thuong Ward, Tay Ho District, Ha Noi, Vietnam.	Gia Loc TN Import Export Company Limited, No. 16, C22 Street, K300 Cong Hoa, Bay Hien Ward, Ho Chi Minh City, Vietnam
		4	M/s Gia Lam Import Export Service Trading Joint Stock Company, locates in No.16, C22 Street, K300 Cong Hoa, Ward 12, Tan Binh District, Ho Chi Minh City, Vietnam	Gia Lam Import Export Service Trading Joint Stock Company, No. 16, C22 Street, K300 Cong Hoa, Bay Hien Ward, Ho Chi Minh City, Vietnam
		5		Phan Bon Lam Thao Joint Stock Company, Area 8 , Hong Son, Lam Thao Commune, Phu Tho Province Vietnam
3	EN-56842 AVON TRADING COMPANY	Request for Addition of Sources for Import of Camphor in the Import Permit No. 818/467/2025 dated 23.10.2025 Approved addition of supplier name as follows: 1. Jiangxi Spice Chemical Industrial Co Ltd Industrail Area C Jinxi Country Fuzhou City Jiangxi Province China 2. Summit Biotechnology (XIAMEN) LTD Room 303, No 52 Guanri Road Software Park II Xiamen China Approved deletion of the following source name: M/s Fengchen Group Co Ltd. Room 1101 5th Building No 168 Shenzhen Road Qingdao China.		

4	EN-58567 Honour Lab Limited	Request for Extension of validity of Import Permit of Sodium Cyanide Permit No. 795/447/2023 dated 14.06.2023 valid till 13.06.2024. Import permit expired on 13.06.2024 and application submitted on 08.04.2026, after the expiry of the permit. Rejected. Applicant may apply for a fresh Import permit.
5	EN-58808 Jaggo Overseas	Request for Extension of validity of Import Permit of Potassium Cyanide Permit No. 713/464/2025 dated 26.06.2025 valid till 25.06.2026. Approved extension of validity for six months.

E: Applications for Amendment in Export Certificates

S. No	Application Details	Nature of Amendment requested in Import permit					
1	EN-58091 M/s Sumitomo Chemical India Ltd.	Request for Issuance of Corrigendum for Correction in Supplier Address in Registration Certificate of Glyphosate Technical 95% Min issued under 9(3) Export category. Registration Certificate of Glyphosate Technical 95% Min [Regn No: CIR 25133/2026-Glyphosate Technical -(469-FTE)] registered u/s 9(3) of the Insecticide Act 1968 <table><tr><th>Present name on the Export certificate</th><th>Correct name required on the Certificate</th></tr><tr><td>M/s Hebei Bestar Industry Co., Ltd., 6-3-203 No.66 Dianda Street, Xinhua District, Shijiazhuang, Hebei, China.</td><td>M/s Hebei Bestar Commerce and Trade Co., Ltd., 6-3-203 No.66 Dianda Street, Xinhua District, Shijiazhuang, Hebei, China.</td></tr></table> Approved issuance of Corrigendum.		Present name on the Export certificate	Correct name required on the Certificate	M/s Hebei Bestar Industry Co., Ltd., 6-3-203 No.66 Dianda Street, Xinhua District, Shijiazhuang, Hebei, China.	M/s Hebei Bestar Commerce and Trade Co., Ltd., 6-3-203 No.66 Dianda Street, Xinhua District, Shijiazhuang, Hebei, China.
Present name on the Export certificate	Correct name required on the Certificate						
M/s Hebei Bestar Industry Co., Ltd., 6-3-203 No.66 Dianda Street, Xinhua District, Shijiazhuang, Hebei, China.	M/s Hebei Bestar Commerce and Trade Co., Ltd., 6-3-203 No.66 Dianda Street, Xinhua District, Shijiazhuang, Hebei, China.						
2	EN-57658 Sumitomo Chemical India Ltd	Request for Issuance of Corrigendum for Correction in Factory Address and inclusion of another factory address in Registration Certificate of Glyphosate Technical 95% Min issued under 9(3) Export category.					

		The RC is of the view that the factory address as submitted by the applicant during the submission of the application is automatically taken by the software to generate the Certificate of Registration. Hence rejected the case.
3	EN-58723 Corteva Crop India Private Limited	To be closed as per the request of the applicant.
4	EN-58722 Corteva Crop India Private Limited	To be closed as per the request of the applicant.

**GUIDELINES FOR ISSUANCE OF EXPORT PERMITS FOR NON-
INSECTICIDAL/DUAL-USE/MULTI-USE INSECTICIDES**

1. Applications for obtaining Export Permit for products containing insecticides for non-insecticidal/dual-use/multi-use shall be submitted by the applicants online on the CROP portal under the EXPORT PERMIT category.
2. A detailed scrutiny of all applications for grant of Export Permit for export of an indigenously manufactured product containing insecticide(s) for non-insecticidal/dual-use/multi-use shall be done by the relevant Expert on the basis of the checklist and as per the proforma approved, along with the relevant documents as mentioned in the checklist and application proforma.
3. All such cases shall then be presented to the Registration Committee (RC) for deliberation.
4. Permission for export of products containing insecticides for uses other than insecticidal use, i.e. for multi-use/dual-use/non-insecticidal use shall be given by the RC for all the cases.
5. A list of all such cases, whether approved or rejected or deferred shall be recorded in the minutes of the RC meeting thereof.
6. The validity of the export permit shall be two (02) years.
7. Documents required for seeking Export Permit:
 - a. Complete Application Form
 - b. Copy of valid industrial license/manufacturing license/Consent to operate a factory
 - c. Clearance / consent from Pollution Control Board
 - d. Application fee of Rs. 5000/-.

CHECKLIST FOR ISSUANCE OF EXPORT PERMIT OF NON-INSECTICIDAL/DUAL-
USE/MULTI-USE INSECTICIDES

1. Application in the attached proforma.
2. Copy of valid industrial license/manufacturing license/Consent to operate a factory.
3. Clearance / consent from Pollution Control Board.
4. An application fee of Rs. 5000 is to be submitted by the applicant during submission of application on the CROP portal.

Application proforma for grant of permission for issuance of export permit for multi-use/ dual-use/ non-insecticidal insecticides:

1.	Name of the applicant along with complete address.	
2.	Name of the product containing the insecticide	
3.	(a) Name of the insecticide present in the product long with the minimum purity. (b) IUPAC Name (c) CAS Number (d) Serial Number in the Schedule to the Insecticides Act, 1968.	
4.	Source of supply of the insecticide to be used in the manufacturing of the product Attach copy of valid Certificate of Registration/Import permit of the source	
5.	Address of premises, where the product containing the insecticide shall be manufactured. Mention and attach Geo tagging details like Longitude and Latitude alongwith complete address alongwith Pin code.	
6.	Address of premises, where the product containing the insecticide shall be stocked/stored. Mention and attach Geo tagging details like Longitude and Latitude alongwith complete address alongwith Pin code.	
7.	a. Licensed Capacity of the product to be manufactured: b. Installed Capacity of the product to be manufactured: c. Function of the insecticide in the process of manufacture of the item & the % required.	

8.	Copy of valid industrial license /approval (enclose a copy of factory license / EM issued by Department of industrial Policy & Promotion / State Director of Industry certificated / District Industry Centre/concerned competent authority) Attach a notarized copy (along with English Version, if not in English Language)																													
9.	Copy of valid Clearance / consent from Pollution Control Board (PCB): Attach a notarized copy (along with English Version, if not in English Language)																													
10..	Year-wise quantity of the product containing insecticide manufactured and consumed (exported and domestic use) during the last three years along with corresponding production of end-product, if industry is not new.																													
11.	Whether the manufactured material is for Domestic consumption/sale or export or both:																													
12.	Details of purchase & consumption <table border="1"> <thead> <tr> <th rowspan="2">Year (Financial)</th> <th colspan="4">Quantity of the product containing the insecticide manufacturing (in MT)</th> <th rowspan="2">Quantity of total Sale of the product (Domestic+ Export)</th> </tr> <tr> <th>Quantity of insecticide consumed in manufacturing of final product</th> <th>Quantity of final product manufactured</th> <th>Quantity of Domestic Sale of the final product</th> <th>Quantity of Export of the final product</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Year (Financial)	Quantity of the product containing the insecticide manufacturing (in MT)				Quantity of total Sale of the product (Domestic+ Export)	Quantity of insecticide consumed in manufacturing of final product	Quantity of final product manufactured	Quantity of Domestic Sale of the final product	Quantity of Export of the final product																		
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	Total Quantity					
	Average production of final product in last three years					
	Average sale of final product in last three years					
	Average domestic sale of final product in last three years					
	Average export of final product in last three years					
13	Attach a relevant Technical Bulletin/Information Booklet of the product containing the insecticide					
14	Any other relevant information					

Place:

Date:

Signature of the applicant with seal

Verification

I,..... S/o. in my capacity as.....do hereby solemnly verify that I am competent to make this application and that the information given in the application and the annexure(s) and statements, accompanying it, are correct and complete. I clearly understand that in the event of any information, or part thereof, being found incorrect, the export permit shall be liable to be cancelled without any notice and the whole losses/responsibility shall be ours.

Place:

Date:

Signature of the applicant with seal

Important Note

- a. Copy of all the relevant documents attached to this application should be notarized.
- b. Fill up each column even if the information is 'Nil' or 'Not Applicable/NA'.
- c. Incomplete application is liable to be rejected, without prior notice.

List of Free Sale Certificates

S. No.	Application No.	Category	Name of Applicant	Name of product
1	EN-58165	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	UPL Limited	Mandipropamid 75 g/L + Propamocarb hydrochloride 500 g/L SC
2	EN-57680	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	UNITED ALACRITY INDIA PRIVATE LIMITED	Neem Oil Based E.C. Containing Azadirachtin 0.15% (Min.) EC (1500 PPM) PUBLIC HEALTH INSECTICIDE
3	EN-57660	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	UNITED ALACRITY INDIA PRIVATE LIMITED	Neem Oil Based EC containing Azadirachtin 0.03% (300 PPM) Min.
4	EN-57681	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	UNITED ALACRITY INDIA PRIVATE LIMITED	Neem Kernel Based EC Containing Azadirachtin 0.3% w/w min.(3000 PPM)
5	EN-57682	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	UNITED ALACRITY INDIA PRIVATE LIMITED	Neem Seed Kernel Based EC containing AZADIRACHTIN 0.15% EC (1500 ppm) min
6	EN-58515	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	Tagros Chemicals India Private Limited	DELTAMETHRIN 5 % EC
7	EN-58500	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	Tagros Chemicals India Private Limited	Chlorantraniliprole 62.5% FS w/v
8	EN-58499	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	Tagros Chemicals India Private Limited	Chlorantraniliprole 20% SC w/v
9	EN-58501	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	Tagros Chemicals India Private Limited	Methoxyfenozide 24% w/v SC
10	EN-58511	FREE SALE CERTIFICATE FOR	Tagros Chemicals India Private Limited	ALPHA-CYPERMETHRIN 7.5% ULV

		SOLE PURPOSE OF EXPORT		
11	EN-58516	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	Tagros Chemicals India Private Limited	DELTAMETHRIN 4.5% ULV
12	EN-58841	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	UPL Limited	Chlorantraniliprole 100 g/L + Acetamiprid 200 g/L SC
13	EN-58843	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	Superform Chemistries Limited	Propineb Technical
14	EN-58887	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	SML Limited	Acetamiprid 25% + Bifenthrin 25% WG
15	EN-58889	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	SML Limited	Glufosinate Ammonium 88% SG
16	EN-58893	FREE SALE CERTIFICATE FOR SOLE PURPOSE OF EXPORT	SML Limited	Metribuzin 480 g/L SC
17	EN-58055	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Willowood Chemicals Ltd.	Paraquat Dichloride 7.50% + Glyphosate 30% SC
18	EN-58043	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Willowood Chemicals Ltd.	Hexaconazole 5% + Validamycin 2.5% SC
19	EN-58207	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Syngenta India Private Limited	Thiamethoxam 20% + Chlorantraniliprole 20% WG
20	EN-58257	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Sumitomo Chemical India Ltd	Paclobutrazole 40% SC

21	EN-58258	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Sumitomo Chemical India Ltd	Profenofos 50% + Fenpropathrin 5% EC
22	EN-58313	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	JU AGRI SCIENCES PRIVATE LIMITED	Fluopyram 17.7% + Tebuconazole 17.7% SC
23	EN-58306	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Hemani Industries Ltd.,	Imidacloprid 70% WG
24	EN-58512	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Indogulf Cropsciences Limited	Penconazole 10% E.C.
25	EN-58514	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Indogulf Cropsciences Limited	Sulphur 80% WDG
26	EN-58527	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Umiya Agroes	Pyriproxyfen 10% EC
27	EN-58539	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	THE SCIENTIFIC FERTILISER COMPANY PRIVATE LIMITED	NOVALURON 5.25% + EMAMECTIN BENZOATE 0.9% W/W SC
28	EN-58540	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	THE SCIENTIFIC FERTILISER COMPANY PRIVATE LIMITED	AZOXYSTROBIN 7.1% + PROPICONAZOLE 11.9 % W/W SE
29	EN-58577	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Anu Products Limited	Imidacloprid 2.15% Gel

30	EN-58594	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	BETRUST INDUSTRIES PRIVATE LIMITED	Picoxystrobin 22.52% SC
31	EN-58627	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	GSP Crop Science Limited	Thiamethoxam Technical 97.00%Min.
32	EN-58493	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Saflufenacil Technical 95.00% w/w Min.
33	EN-58495	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Spirotetramat Technical 96.50% w/w Min.
34	EN-58496	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Methoxyfenozide Technical 97.50% w/w Min.
35	EN-58497	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Cyantraniliprole Technical 95.00% w/w Min.
36	EN-58502	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Cyantraniliprole 10.26% w/w OD
37	EN-58504	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	SPIROTETRAMAT 15.31% OD
38	EN-58507	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Cypermethrin 25% EC

39	EN-58508	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Deltamethrin 2% w/w EW
40	EN-58509	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Thiamethoxam 25% WG
41	EN-58510	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Propiconazole 25 % EC
42	EN-58513	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Deltamethrin 2.5 % FLOW
43	EN-58639	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Indogulf Cropsciences Limited	Clothianidin 50% WG
44	EN-58658	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Agrico Organics Limited	Lambda Cyhalothrin 2.5% EC
45	EN-58498	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Chlorantraniliprole 35% WG
46	EN-58718	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Bharat Rasayan Ltd	Alphamethrin Technical
47	EN-58844	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Superform Chemistries Limited	Propineb Technical

48	EN-58866	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	PRABHAT FERTILIZER AND CHEMICAL WORKS	Verticillium Chlamydosporium
49	EN-58865	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	PRABHAT FERTILIZER AND CHEMICAL WORKS	Trichoderma Viride
50	EN-58864	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	PRABHAT FERTILIZER AND CHEMICAL WORKS	Pseudomonas Fluorescens
51	EN-58862	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	PRABHAT FERTILIZER AND CHEMICAL WORKS	Verticillium lecani
52	EN-58861	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	PRABHAT FERTILIZER AND CHEMICAL WORKS	Beauveria bassiana
53	EN-58753	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Hemani Industries Ltd.,	Deltamethrin technical 98% w/w min
54	EN-58687	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Hemani Industries Ltd.,	ermethrin Technical 92% w/w Min
55	EN-58875	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	GSP Crop Science Limited	Diafenthuron 47.8% SC
56	EN-58888	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	SML Limited	Chlorantraniliprole 9.3% + Lambdacyhalothrin 4.6% ZC

57	EN-58894	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	SML Limited	Sulphur 58.5% w/w (84% w/v) + Azoxystrobin 4.2% w/w (6% w/v) SC
58	EN-58896	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	Tagros Chemicals India Private Limited	Pyriproxyfen 0.5% GR
59	EN-58852	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	MAHAMAYA LIFESCIENCES LTD.	FLUOPICOLIDE 5.56% + PROPAMOCARB HYDROCHLORIDE 55.6% SC
60	EN-58851	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	MAHAMAYA LIFESCIENCES LTD.	CHLORANTRANILIPROLE 4.3% w/w + ABAMECTIN 1.7% w/w SC
61	EN-58853	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	MAHAMAYA LIFESCIENCES LTD.	Fluxapyroxad 250 g/l + Pyraclostrobin 250 g/l SC
62	EN-58850	FREE SALE CERTIFICATE FOR USE IN INDIA AS WELL AS FOR EXPORT	MAHAMAYA LIFESCIENCES LTD.	Captan 50% W.P.

Annexure-10.46.1

Consideration for closer of endorsement applications for registration u/s 9(3b)/9(3)/9(4) as per applicant's request

Sr. no.	Application no.	Category	Endorsement type	Company Name	Remarks
1	EN-58522	9(4) - Chemistry Discipline	ENDORSEMENT OF NAME OF SUPPLIER OF ALREADY APPROVED SOURCE OF IMPORT IN THE CERTIFICATE OF REGISTRATION	BARRIX AGRO SCIENCES PRIVATE	As per applicant's request, application closed
2	EN-54079	9(4) - Chemistry Discipline	OTHERS (If please specify)	BARRIX AGRO SCIENCES PRIVATE	As per applicant's request, application closed
3.	EN-57342	9(4) - Chemistry Discipline	ENDORSEMENT OF NAME OF SUPPLIER OF ALREADY APPROVED SOURCE OF IMPORT IN THE CERTIFICATE OF REGISTRATION	TROPICAL AGROSYSTEM (INDIA) PVT. LTD.	As per applicant's request, application closed
4.	EN-57818	9(3) - Chemistry Discipline	Endorsement of change in manufacturing site of office address	NACL Industries Limited	As per applicant's request, application closed

10.48.1

List of Bio-pesticides applications are rejected as ATR received from Central Insecticides Laboratory and found non-satisfactory report.

Sr. no.	Application No.	Company name	Product name	Remarks
1.	471819-B/F/9(3)2025	ARIHANT BIO SCIENCE INDIA PVT LTD	Beauveria Bassiana 1.15%WP	ATR non-satisfactory
2.	481163-B/F/9(3)2026	BHUMIJA ORGANIC FERTILIZERS PRIVATE LIMITED	Metarhizium anisopliae 1.0% WP	ATR non-satisfactory

Annexure-10.52.1

Health Monitoring Study Protocol for Household Insecticide Products

1. GENERAL INFORMATION:

S. No.	Test Product Details	Details
1.	Name of Product	
2.	Type of Formulation (in case of new formulation type, please give brief details)	
3.	Batch No.	
4.	Date of Manufacturing	
5.	Date of Expiry	

2. TOXICOLOGICAL INFORMATION OF THE PRODUCT:

2.1 Summary of GLP Studies

Name of Laboratory:

S. No.	Test	Animal	GLP Study No.	Result	GHS classification
1.	Acute Oral toxicity				
2.	Acute Dermal toxicity				
3.	Acute Inhalation toxicity				
4.	Eye Irritation				
5.	Skin Irritation				
6.	Skin Sensitization				

2.2 Handling of product or attach MSDS of product

S. No.	Parameter	Details
1.	Precautions	
2.	First Aid	
2.1	Eye Contact	

2.2	Skin Contact	
2.3	Ingestion	
2.4	Inhalation	
3.	Symptoms	
4.	Note to Physician	

3. STUDY DETAILS

3.1 Objective

The objective of the study is to assess the safety of household insecticide product (Name) on household inhabitants for a period of 30.

The study should be conducted under the supervision of a Registered Medical Practitioner. An individual informed consent must be obtained in writing for participation in the study.

3.2 Ethical Committee Approval

The study should be initiated after obtaining approval from the Institutional Ethics Committee of Laboratory.

3.3 Protocol

S. No.	Parameters	Details
1.	Location	
2.	No. of inhabitants*	30 inhabitants, selected randomly
3.	Inhabitants age	adults (both males and females)
4.	Age Group	18-60
5.	Exposure duration/day (frequency, quantity used, room size, ventilation, re- entry time)	
5.	Direction for Use	As per label & leaflet

*Only healthy individuals should be allowed to participate in study. Persons who have severe respiratory illness, allergy, children, elderly (>60), and pregnant/lactating women may be excluded from the study as per decision of clinician. Details of each volunteer to be recorded as per Medical Case History Form (**Annexure I**)

3.4 Clinical Observation & Methods

The below mentioned parameter to be carried out on each volunteer during the study:

Observation	Annexure No.	Frequency/Time point
Clinical observation	Annexure II	Pre-exposure (Day -1or 0)
Eye examination	Annexure III	Exposure Days: Days 2, 5, 30
Clinical Pathology Haematology	Annexure ²¹ IV	Post-exposure: Day 30+6 (6 days after the completion of exposure)

Biochemistry	Annexure V	
Urinalysis	Annexure VI	
Nerve conduction tests*	Annexure VII	
		Pre-exposure (Day 0) Exposure Days: Days 5, 30 Post-exposure: Day 30+6 (6 days after the completion of exposure)

*Conducted on at least ten volunteers of both sexes, selected randomly

4. REPORTING

The clinical findings of all the individual should be reported. The post-exposure values of individual volunteers should be compared with their respective pre-exposure values to assess the effect of the test item.

The report should include below details:

- i. Study details, objectives, study design and exposure conditions
- ii. Certificate of authenticity signed by the scientists involved and supervising the Registered Medical Practitioner
- iii. Ethics Committee approval details and informed consent documentation
- iv. Description of exposure characterization (quantity of product used, frequency of application, environmental conditions and duration of exposure)
- v. Summary of findings including statistical evaluation, interpretation and conclusion by the supervising physician
- vi. Clinical Case History recordings of the Registered Medical Practitioner on the health of each volunteer as per respective formats
- vii. Ophthalmological examination record, Haematology, biochemistry, urinalysis and nerve conduction test results
- viii. Adverse event and serious adverse event reports if any, including medical management provided.
- ix. Documentation of any study deviations and study stopping criteria, if applicable.
- x. Statement of compliance with Good Clinical Practice (GCP) and data confidentiality requirements.

ANNEXURE I: MEDICAL CASE HISTORY FORM

Medical history of all volunteers should be recorded before participation in study.

Study No. : Volunteer No. :

Name : Age :

Gender : Occupation :

Present Address :

Past History

I	Illness*	No/Yes
II	Poisoning	No/Yes
III	Allergy	No/Yes

*If under any medication details should be provided

Family History

1	Allergy	No/Yes
2	Psychological Disorders 21	No/Yes

3	Haemorrhagic Disorders	No/Yes

PERSONAL HISTORY

Ablutions (Washing/Bathing/Cloth changing)	Good	
	Fair	
	Poor	
Personal Habits	Smoking	
	Alcohol	
	Other addictions	

HISTORY OF RECENT EXPOSURE (IF ANY)

Product	Method of use	Date(s) of exposure	Exposure duration

ANNEXURE II:CLINICAL OBSERVATIONS

A clinician will examine all the participants on scheduled days and record the data.

Study No. : Volunteer No. :

Name : Age :

Gender : Occupation :

Observations	Pre-exposure day	Exposure days			Post-exposure day
	0	2	5	30	30+6
A. VITAL SIGNS					
Pulse rate					
Respiratory rate/minute					
Depth of respiration					
Temperature (□F)					
Chest tightness					
B. GENERAL					
Weakness					
Fatigue					
Sleep					
Urination					
Sweating					
C.GASTROINTESTINAL					
Nausea					
Vomiting					
Appetite					
Taste					
Abdomen pain					
Diarrhoea					
Sialorrhoea					
D. NEUROMUSCULAR					
Headache					
Dizziness					
Irritability					
Neuro Muscular Pains					
Twitchings					
Tremors					
Convulsions					
Paraesthesia					
Hallucinations					
Unconsciousness					
E. CARDIORESPIRATORY					
Nasal discharge					
Wheeze					
Cough					
Expectoration					

Tightness of chest					
Dyspnoea					
Palpitation					
Heart conservation					

Cyanosis					
Tachycardia					
F. PSYCHOLOGICAL					
Temperament					
Judgement					
Nervousness/Restlessness					
Insomnia					
G. SKIN					
Dermal reaction/ irritation/allergic reaction					
H. OTHER CONDITIONS					
Any other Clinical /Medical conditions					
Signature of Medical Officer/Physician with Date					

ANNEXURE III: OPHTHALMOLOGICAL EXAMINATION

Study No. : Volunteer No. :

Name : Age :

Gender : Occupation :

Observations	Pre-Exposure Day	Exposure Days			Post Exposure Day
	0	2	5	30	30+6
DV – Right Eye					
DV – Left Eye					
NV – Right Eye					
NV – Left Eye					
Colour Vision – BE					
Fields – BE					
Fundus – BE					
Myosis					
Lacrimation					
Double vision					
Blurred vision					
Signature of Medical Practitioner with Date					

ANNEXURE IV: HAEMATOLOGY EXAMINATION*

Below mentioned parameters will be analysed

Days	WBC	RBC	Hb	HCT	MCV	MCH	MCHC	PLT	N	L	M	E	Bas	RC	PT	APTT	ESR
	(10 ³ /μL)	(10 ⁶ /μL)	(g/dL)	(%)	(fL)	(pg)	(g/dL)	(10 ³ /μL)	(%)	(%)	(%)	(%)	(%)	(%)	(Sec)	(Sec)	(mm/hour)
0																	
2																	
5																	
30																	
30+6																	

*Detailed methodology and instruments used must be provided

WBC - White Blood Corpuscles, RBC - Red Blood Corpuscles, Hb - Haemoglobin, HCT - Hematocrit, MCV - Mean Corpuscular volume, MCH - Mean Corpuscular Hemoglobin, MCHC - Mean Corpuscular Hemoglobin Concentration, PLT - Platelet, N- Neutrophils, L - Lymphocytes, M - Monocytes, E - Eosinophils, Bas - Basophils, RC - Reticulocyte Count, PT - Prothrombin Time, APTT - Activated Partial Thromboplastin Time, ESR - Erythrocyte Sedimentation Rate.

ANNEXURE V: BIOCHEMISTRY EXAMINATION*

The plasma to be separated and below mentioned parameters to be analyzed

Days	GLU	BU	CRE	CHOL	TBI	TGL	TP	ALB	GLOB	ALB/GLOB ratio	ALP	AST	ALT	CA	PHOS	Na	K	Cl
	(mg/dL)	(mg/dL)	(mg/dL)	(mg/dL)	(mg/dL)	(mg/dL)	(g/dL)	(g/dL)	(g/dL)	calculated	(U/L)	(U/L)	(U/L)	(mg/dL)	(mg/dL)	(mmol/L)	(mmol/L)	(mmol/L)
0																		
2																		
5																		
30																		
30+6																		

*Detailed methodology and instruments used must be provided

GLU - Glucose, BU - Blood urea, CRE - Creatinine, CHOL - Total Cholesterol, TBI - Total bilirubin, TGL - Triglycerides, TP - Total protein, ALB - Albumin, GLOB – Globulin (calculated), ALB/GLO
- Albumin- Globulin ratio (calculated), ALP - Alkaline phosphatase, AST - Aspartate aminotransferase, ALT - Alanine aminotransferase, CA - Calcium, PHOS - Phosphorous, Na - Sodium, K - Potassium, Cl – Chloride.

ANNEXURE VI: URINE ANALYSIS*

Urine (random) samples to be collected in labeled, clean and sterile containers with wide mouth, protected by tightly fitting lids and subjected to qualitative analysis and microscopic examination.

Days	Physical							Chemical										Microscopic					
	Volume (mL)	Colour	Appearance	SG	pH	Sediment		Protein (mg/dL)	Glucose (mg/dL)	Serum CRE (mg/dL)	Bilirubin	Bile Salts	Bile Pigments	Uro-bilinogen	Ketone (mg/dL)	Blood	Nitrite	Leucocytes	WBC	RBC	E	Casts	Crystals
0																							
2																							
5																							
30																							
30 + 6																							

*Detailed methodology and instruments used must

be provided SG-specific gravity;

WBC - White Blood

Corpuscles; RBC - Red

Blood Corpuscles;

E – Epithelial cells

CRE- Creatinine

ANNEXURE VII: NERVE CONDUCTION TEST

Detailed methodology and instruments used must be provided.

Study No. : Volunteer No. :
Name : Age :
Gender : Occupation :

1. Right/Left Median (Motor): Thenar Muscles: Surf. Ele.

Wrist..... Elbow.....Supraclavicular.....Amp.....
Latency..... msec..... msec..... msec m.v.
Distancy cm cm cm
Conduction velocity metres/sec. (Wrist to elbow)
Conduction velocity metres/sec. (Elbow to supraclavicular region)

2. Right/Left Ulnar (Motor): Hypothenar muscles: Surf. Ele.

Wrist..... Elbow..... Supraclavicular.....Amp.....
Latency..... msec.....msec..... msec m.v.
Distancy cm cm...cm
Conduction velocity metres/sec (Wrist to elbow)
Conduction velocity metres/sec (Elbow to supraclavicular region)

3. Right/Left Lateral Popliteal: Ext. Dig. BR.: Surf. Ele.

Ankle..... Knee.....Amp.....
Latency..... msec.....msec..... msec m.v.
Distance cm cm cm
Conduction velocity metres/sec.

4. Right/Left Sural nerve (Antidromic-Sensory): Needle Ele.

Amplitude.....uv
Latency.....msec
Distance.....cm

Conduction velocity m/sec

5. Right/Left Median (Orthodromic Sensory)

Stimulation- digital nerves-index
finger Recording at wrist: Needle
Ele./Surf. Ele. Amplitude
..... μ V.
Latency..... msec

6. Right/Left Ulnar (Orthodromic Sensory)

Stimulation-digital nerves-
index finger Recording at
wrist: Needle Ele./Surf. Ele.
Amplitude uv.
Latency msec

7. Right/Left Facial nerve

Muscles	Latency.	Amplitude
Distance Orb. oris	msec	
mv/uv	cm	
Frontails	 msec	 mv/uv
	cm	
Orb. oculi	msec	 mv/uv..... cm

8. Needle Electromyography

(i). Fibrillations.....	Fasciculations	Insertional activity
Myotonic	Interference pattern	Amplitude of motor units
(ii). Fibrillations	Fasciculations	Insertional activity.....
Myotonic	Interference pattern	Amplitude of motor units
(iii). Fibrillations	Fasciculations	Insertional activity.....
Myotonic	Interference pattern.....	Amplitude of motor units

9. Blink response study

Needle electrode (Conc.): Right Orb. Occuli.
Stimulation.....
Latency.....
Early Response..... msec.
Late Response msec.

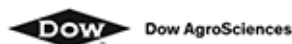
10. Conclusion and interpretation of results by clinician

NOTE:

The following requirements shall be read as integral to the Health Monitoring Study Protocol:

1. A structured Adverse Event Monitoring and Reporting system shall be implemented. All adverse events shall be recorded, and any Serious Adverse Event (SAE) shall be reported immediately and within 24 hours to the Ethics Committee and the competent authority.
2. Study stopping/termination criteria shall be predefined. The study shall be halted if moderate or severe toxicity is observed or if continuation is deemed unsafe by the supervising clinician.
3. The study shall be conducted under the supervision of a Registered Medical Practitioner, and all clinical observations and interpretation of medical investigations shall be carried out and authenticated by the physician.
4. The study shall comply with Good Clinical Practice (GCP) principles.
5. Confidentiality of participant data and record retention shall be ensured as per applicable ethical and regulatory requirements.

This Health Monitoring Study Protocol for household insecticide products is intended to serve as a general guiding framework. Based on the specific characteristics of the product and the study context, appropriate refinements or modifications may be considered on a case-to-case basis, as deemed necessary.



Material Safety Data Sheet

DOW AGROSCIENCES INDIA PVT. LTD.

Product name: GALLANT™ 10.5 EC Herbicide

Issue Date: 02.05.2016

Print Date: 03.05.2016

DOW AGROSCIENCES INDIA PVT. LTD. encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: GALLANT™ 10.5 EC Herbicide

Recommended use of the chemical and restrictions on use

Identified uses: Plant Protection Product

COMPANY IDENTIFICATION

DOW AGROSCIENCES INDIA PVT. LTD.
1ST FLOOR, BLOCK B, 02, GODREJ IT PARK
GODREJ BUSINESS DISTRICT
PIROJSHANAGAR, L.B.S MARG.,
400079 VIKHROLI, MUMBAI
INDIA

Customer Information Number:

(91) 22-6674-1500
SDSQuestion@dow.com

EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Contact: (91-2356-272046)

Local Emergency Contact: 22-6674-1800

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

CASRN / EC-No. / Index-No.	Concentration	Component	Classification
CASRN 72619-32-0 EC-No. 406-250-0 Index-No. 607-335-00-7	10.5%	methyl (R)-2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy) propionate	Xn - R22 N - R50 - R53
CASRN 69029-39-6 EC-No. Not available Index-No. —	> 40.0 - < 50.0 %	Alkylphenol alkoxylate	N - R51/53

CASRN 64742-94-5 EC-No. 265-198-5 Index-No. 649-424-00-3	> 20.0 - < 30.0 %	solvent naphtha (petroleum), heavy arom.	Xn - R65 R66 R67 N - R51/53
CASRN 95-63-6 EC-No. 202-436-9 Index-No. 601-043-00-3	< 5.0 %	1,2,4-trimethylbenzene	R10 Xn - R20 - R65 Xi - R36/37/38 N - R51 - R53
CASRN 108-67-8 EC-No. 203-604-4 Index-No. 601-025-00-5	< 1.0 %	Mesitylene; 1,3,5-trimethylbenzene	R10 Xi - R37 Xn - R65 N - R51 - R53
CASRN 91-20-3 EC-No. 202-049-5 Index-No. 601-052-00-2	< 1.0 %	Naphthalene	Carc.Cat.3 - R40 Xn - R22 N - R50 - R53

The full text of each R phrase is listed in section 16.

3. HAZARDS IDENTIFICATION

Hazard classification

Classified as hazardous according to regulatory criteria.

Irritating to eyes and skin.

May cause sensitisation by skin contact.

Vapours may cause drowsiness and dizziness.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other hazards

No data available

4. FIRST AID MEASURES

Description of first aid measures

General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice. If breathing is difficult, oxygen should be administered by qualified personnel.

Skin contact: Take off contaminated clothing. Wash skin with soap and plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Wash clothing before reuse. Shoes and other leather items which cannot be decontaminated should be disposed of properly. Suitable emergency safety shower facility should be available in work area.

Eye contact: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice. Suitable emergency eye wash facility should be immediately available.

Ingestion: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Maintain adequate ventilation and oxygenation of the patient. May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Repeated excessive exposure may aggravate preexisting lung disease. Skin contact may aggravate preexisting dermatitis.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. General purpose synthetic foams (including AFFF type) or protein foams are preferred if available. Alcohol resistant foams (ATC type) may function.

Unsuitable extinguishing media: No data available

Special hazards arising from the substance or mixture

Hazardous combustion products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Hydrogen fluoride. Hydrogen chloride. Carbon monoxide. Carbon dioxide.

Unusual Fire and Explosion Hazards: Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is produced when product burns.

Advice for firefighters

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Consider feasibility of a controlled burn to minimize environment damage. Foam fire extinguishing system is preferred because uncontrolled water can spread possible contamination. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor

nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this (M)SDS.

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Keep upwind of spill. Ventilate area of leak or spill. No smoking in area. Refer to section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Small spills: Absorb with materials such as: Clay. Dirt. Sand. Sweep up. Collect in suitable and properly labeled containers. Large spills: Contact Dow AgroSciences for clean-up assistance. See Section 13, Disposal Considerations, for additional information.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep out of reach of children. Keep away from heat, sparks and flame. Do not swallow. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Conditions for safe storage: Store in a dry place. Store in original container. Keep container tightly closed when not in use. Do not store near food, foodstuffs, drugs or potable water supplies.

Storage stability

To maintain product quality, recommended storage temperature is > -10 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value/Notation
Alkylphenol alkoxylate	Dow IHG	TWA	2 mg/m3
solvent naphtha (petroleum), heavy arom.	Dow IHG	TWA	100 mg/m3
1,2,4-trimethylbenzene	Dow IHG	STEL	300 mg/m3
	ACGIH	TWA	25 ppm
	ACGIH	TWA	25 ppm
Mesitylene; 1,3,5-trimethylbenzene	ACGIH	TWA	25 ppm
Naphthalene	ACGIH	TWA	10 ppm
	ACGIH	TWA	SKIN
	Dow IHG	TWA	10 ppm
	Dow IHG	TWA	SKIN
	Dow IHG	STEL	15 ppm
	Dow IHG	STEL	SKIN
	IN OEL	TWA	50 mg/m3 10 ppm
	IN OEL	STEL	75 mg/m3 15 ppm

RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.

Exposure controls

Engineering controls: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection: Use chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent.

Skin protection

Hand protection: Use chemical resistant gloves classified under Standard EN374: Protective gloves against chemicals and micro-organisms. Examples of preferred glove barrier materials include: Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Styrene/butadiene rubber. Viton. Examples of acceptable glove barrier materials include: Butyl rubber. Chlorinated polyethylene. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374) is recommended. Glove thickness alone is not a good indicator of the level of protection a glove provides against a chemical substance as this level of protection is also highly dependent on the specific composition of the material that the glove is fabricated from. The thickness of the glove must, depending on model and type of material, generally be more than 0.35 mm to offer sufficient protection for prolonged and frequent contact with the substance. As an exception to this general rule it is known that multilayer laminate gloves may offer prolonged protection at thicknesses

less than 0.35 mm. Other glove materials with a thickness of less than 0.35 mm may offer sufficient protection when only brief contact is expected. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Other protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Respiratory protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

Use the following CE approved air-purifying respirator: Organic vapor cartridge with a particulate pre-filter, type AP2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	Liquid.
Color	Brown
Odor	Aromatic
Odor Threshold	No test data available
pH	4.45 1% pH Electrode
Melting point/range	Not applicable
Freezing point	No test data available
Boiling point (760 mmHg)	No test data available
Flash point	closed cup >76 °C EC Method A9
Evaporation Rate (Butyl Acetate = 1)	No data available
Flammability (solid, gas)	No
Lower explosion limit	No test data available
Upper explosion limit	No test data available
Vapor Pressure	No test data available
Relative Vapor Density (air = 1)	No test data available
Relative Density (water = 1)	No test data available
Water solubility	emulsifiable
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	> 400 °C
Decomposition temperature	No test data available
Dynamic Viscosity	85 mPa.s
Kinematic Viscosity	No data available
Explosive properties	No

Oxidizing properties	No data available
Liquid Density	1.028 g/cm ³ at 20 °C EU-AM-91-33
Molecular weight	No data available
Surface tension	29 mN/m at 25 °C EC Method A5

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Thermally stable at typical use temperatures.

Possibility of hazardous reactions: Polymerization will not occur.

Conditions to avoid: Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems. Avoid static discharge.

Incompatible materials: Avoid contact with: Acids. Bases. Oxidizers.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon monoxide. Carbon dioxide. Hydrogen chloride. Hydrogen fluoride. Nitrogen oxides. Toxic gases are released during decomposition.

11. TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available.

Acute toxicity

Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product:

LD₅₀, Rat, female, > 5,000 mg/kg

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product:

LD₅₀, Rat, male and female, > 5,000 mg/kg

Acute inhalation toxicity

Prolonged excessive exposure to mist may cause adverse effects. May cause central nervous system effects. Symptoms may include headache, dizziness and drowsiness, progressing to incoordination and unconsciousness. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs.

As product:

LC50, Rat, male and female, 4 Hour, > 5.36 mg/l No deaths occurred at this concentration.

Skin corrosion/irritation

Brief contact may cause slight skin irritation with local redness.

May cause drying and flaking of the skin.

Serious eye damage/eye irritation

May cause moderate eye irritation.

Corneal injury is unlikely.

Sensitization

Has caused allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:

No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

May cause drowsiness or dizziness.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

In animals, effects have been reported on the following organs:

Liver.

Carcinogenicity

For the active ingredient(s): Haloxyfop did not cause cancer in laboratory rats; however, there was a slightly increased incidence of malignant liver tumors in female mice in a lifetime dietary feeding study.

Not Classified

Teratogenicity

For similar active ingredient(s). Haloxyfop did not cause cancer in laboratory rats; however, there was a slightly increased incidence of malignant liver tumors in female mice in a lifetime dietary feeding study.

Not Classified

Reproductive toxicity

For similar active ingredient(s). Haloxyfop did not cause cancer in laboratory rats; however, there was a slightly increased incidence of malignant liver tumors in female mice in a lifetime dietary feeding study.

Not Classified

Mutagenicity

For the active ingredient(s): In vitro genetic toxicity studies were negative.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard. No aspiration toxicity classification

12. ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

Ecotoxicity**Acute toxicity to fish**

Material is toxic to aquatic organisms (LC50/EC50/IC50 between 1 and 10 mg/L in the most sensitive species).

LC50, Oncorhynchus mykiss (rainbow trout), flow-through test, 96 Hour, 3.85 mg/l

Acute toxicity to aquatic invertebrates

EC50, Daphnia magna (Water flea), static test, 48 Hour, 12.6 mg/l

Acute toxicity to algae/aquatic plants

ErC50, Pseudokirchneriella subcapitata (green algae), 96 Hour, Growth rate inhibition, > 100 mg/l

Chronic aquatic toxicity**Chronic toxicity to aquatic invertebrates**

NOEC, Daphnia magna (Water flea), semi-static test, 21 d, growth, 4 mg/l

Toxicity to Above Ground Organisms

Material is practically non-toxic to birds on an acute basis (LD50 > 2000 mg/kg).

oral LD50, Colinus virginianus (Bobwhite quail), mortality, > 2000mg/kg bodyweight.

oral LD50, Apis mellifera (bees), 48 Hour, mortality, 894micrograms/bee

contact LD50, Apis mellifera (bees), 48 Hour, mortality, 524micrograms/bee

Toxicity to soil-dwelling organisms

LC50, Eisenia fetida (earthworms), 14 d, survival, 369.8 mg/kg

Persistence and degradability**methyl (R)-2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy) propionate**

Biodegradability: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

10-day Window: Fail

Biodegradation: 8 - 11 %

Exposure time: 28 d

Method: OECD Test Guideline 301D or Equivalent

Stability in Water (1/2-life)

Hydrolysis, half-life, < 24 Hour, pH 9

Alkylphenol alkoxylate

Biodegradability: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

solvent naphtha (petroleum), heavy arom.

Biodegradability: Material is inherently biodegradable (reaches > 20% biodegradation in OECD test(s) for inherent biodegradability).

1,2,4-trimethylbenzene

Biodegradability: Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.

10-day Window: Not applicable

Biodegradation: 4 - 18 %

Exposure time: 28 d

Method: OECD Test Guideline 301C or Equivalent

Mesitylene; 1,3,5-trimethylbenzene

Biodegradability: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

10-day Window: Not applicable

Biodegradation: 0 %

Exposure time: 28 d

Method: OECD Test Guideline 301C or Equivalent

10-day Window: Not applicable

Biodegradation: 50 %

Exposure time: 4.4 d

Method: Calculated.

Naphthalene

Biodegradability: Material is expected to be readily biodegradable.

Bioaccumulative potential**methyl (R)-2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy) propionate**

Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

Partition coefficient: n-octanol/water(log Pow): 0.63 - 4.6 Measured

Bioconcentration factor (BCF): 262 Estimated.

Alkylphenol alkoxylate

Bioaccumulation: No bioconcentration is expected because of the relatively high water solubility. May foam in water.

solvent naphtha (petroleum), heavy arom.

Bioaccumulation: For similar material(s): Bioconcentration potential is high (BCF > 3000 or Log Pow between 5 and 7).

1,2,4-trimethylbenzene

Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

Partition coefficient: n-octanol/water(log Pow): 3.63 Measured

Bioconcentration factor (BCF): 33 - 275 Cyprinus carpio (Carp) 56 d Measured

Mesitylene; 1,3,5-trimethylbenzene

Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

Partition coefficient: n-octanol/water(log Pow): 3.42 Measured

Bioconcentration factor (BCF): 161 Pimephales promelas (fathead minnow) Measured

Naphthalene

Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

Partition coefficient: n-octanol/water(log Pow): 3.3 Measured

Bioconcentration factor (BCF): 40 - 300 Fish 28 d Measured

Mobility in Soil

methyl (R)-2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy) propionate

Potential for mobility in soil is medium (Koc between 150 and 500).

Partition coefficient (Koc): 17800 Estimated.

Alkylphenol alkoxyate

No data available.

solvent naphtha (petroleum), heavy arom.

No relevant data found.

1,2,4-trimethylbenzene

Potential for mobility in soil is low (Koc between 500 and 2000).

Partition coefficient (Koc): 720 Estimated.

Mesitylene; 1,3,5-trimethylbenzene

Potential for mobility in soil is low (Koc between 500 and 2000).

Partition coefficient (Koc): 741.65 Estimated.

Naphthalene

Potential for mobility in soil is medium (Koc between 150 and 500).

Partition coefficient (Koc): 240 - 1300 Measured

Results of PBT and vPvB assessment

methyl (R)-2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy) propionate

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Alkylphenol alkoxyate

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

solvent naphtha (petroleum), heavy arom.

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

1,2,4-trimethylbenzene

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Mesitylene; 1,3,5-trimethylbenzene

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Naphthalene

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Other adverse effects

methyl (R)-2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy) propionate

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

Alkylphenol alkoxylate

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

solvent naphtha (petroleum), heavy arom.

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

1,2,4-trimethylbenzene

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

Mesitylene; 1,3,5-trimethylbenzene

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

Naphthalene

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

13. DISPOSAL CONSIDERATIONS

Disposal methods: If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

14. TRANSPORT INFORMATION

Classification for ROAD and Rail transport:

Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Haloxyfop-R methyl)
UN number	UN 3082
Class	9
Packing group	III
Environmental hazards	Haloxyfop-R methyl

Classification for SEA transport (IMO-IMDG):

Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Haloxyfop-R methyl)
UN number	UN 3082
Class	9
Packing group	III
Marine pollutant	Haloxyfop-R methyl
Transport in bulk	Consult IMO regulations before transporting ocean bulk

according to Annex I or II
of MARPOL 73/78 and the
IBC or IGC Code

Classification for AIR transport (IATA/ICAO):

Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.(Haloxyfop-R methyl)
UN number	UN 3082
Class	9
Packing group	III

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

Label

Classification and labeling have been performed according to regulations.

Hazard symbol and Indication of danger

Xi	Irritant
N	Dangerous for the environment

R-phrases(s)

R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R67	Vapours may cause drowsiness and dizziness.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35	This material and its container must be disposed of in a safe way.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S57	Use appropriate containment to avoid environmental contamination.

To avoid risks to man and the environment, comply with the instructions for use.

16. OTHER INFORMATION

Full text of the R-phrases given in Section 2

R10	Flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R40	Limited evidence of a carcinogenic effect.
R50	Very toxic to aquatic organisms.
R51	Toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Revision

Identification Number: 101187866 / A147 / Issue Date: 02.05.2016 / Version: 3.0

DAS Code: EF-1400

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

Legend

ACGIH	USA. ACGIH Threshold Limit Values (TLV)
Dow IHG	Dow Industrial Hygiene Guideline
IN OEL	India. Permissible levels of certain chemical substances in work environment.
SKIN	Absorbed via skin
STEL	Short term exposure limit
TWA	Time weighted average

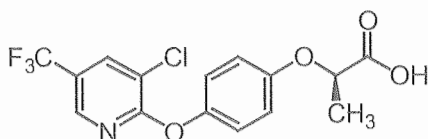
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410 haloxyfop-P

Herbicide

Target Site ACCase inhibition (acetyl CoA carboxylase)

HRAC A WSSA 1 aryloxyphenoxypropionate



NOMENCLATURE:

haloxyfop-P

Common name haloxyfop-P (BSI, E-ISO, (m) F-ISO)

IUPAC name (R)-2-[4-(3-chloro-5-(trifluoromethyl)-2-pyridyloxy)phenoxy]propionic acid

Chemical Abstracts name (2R)-2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid

CAS RN [95977-29-0]

Other names haloxyfop-R

haloxyfop-P-methyl

IUPAC name methyl (R)-2-[4-(3-chloro-5-(trifluoromethyl)-2-pyridyloxy)phenoxy]propionate

Chemical Abstracts name methyl (2R)-2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoate

CAS RN [72619-32-0] **EC no.** 406-250-0 **Development codes** DE-535 (DowElanco)

PHYSICAL CHEMISTRY:

haloxyfop-P

M.f. $C_{15}H_{11}ClF_3NO_4$ **Mol. wt.** 361.7 **Physical form** Off-white powder. **M.p. (°C)** 70.5–74.5

V.p. (mPa) 0.004 (25 °C) **Henry (Pa m³ mol⁻¹, calc.)** 5.1×10^{-9} (pH 7) **log K_{ow}** 0.21

(pH 10); 0.27 (pH 7); 2.82 (pH 5) **pKa (20–25 °C)** 4.27

Water solubility (mg/l, 20–25 °C) 28.2 (pH 5); 375.0 (distilled); $>2.5 \times 10^5$ (pH 7, pH 9)

Organic solubility (g/l, 20–25 °C) Soluble in acetone (>2000), acetonitrile (>2000), dichloromethane (>1300), ethyl acetate (>2000), *n*-heptane (3.93), methanol (>2000), *n*-octanol (1510), xylene (639) **S.g./Bulk density (20–25 °C)** 1.46 **Stability** Stable in natural water, and at pH 7 and 9 (20 °C).

haloxyfop-P-methyl

Composition Tech. is $\geq 94\%$. **M.f.** $C_{16}H_{13}ClF_3NO_4$ **Mol. wt.** 375.7 **Physical form** Light amber, viscous liquid. **M.p. (°C)** –12.4 **V.p. (mPa)** 0.055 (25 °C)

Henry (Pa m³ mol⁻¹, calc.) 0.0012 **log K_{ow}** 4.0 **Water solubility (mg/l, 20–25 °C)** 6.9

(pH 5); 7.9 (pH 7); 9.1 (unbuffered) **Organic solubility (g/l, 20–25 °C)** Miscible in acetone, acetonitrile, dichloromethane, ethanol, ethyl acetate, hexane, isopropanol, methanol, xylene

B.p. >280 °C/760 mmHg **F.p.** 186 °C **S.g./Bulk density (20–25 °C)** 1.37 **Stability** In water, DT₅₀ 3 d (natural), stable (pH 4), 43 d (pH 7), 0.63 d (pH 9) (all 20 °C).

COMMERCIALISATION: **History** Reported by M. C. Botte *et al.* (Proc. 15th Columa Conf., 1992, 1, 397). Introduced by DowElanco (now Dow AgroSciences).

Manufacturers AGROFINA; Anhui Huaxing; Dow AgroSciences; Fengle; Fengshan; Hebei Kaidi; Jiamusi; Jiangsu Inter-China Group Corporation; Jiangsu Ruidong; Red Sun; Shandong Qiaochang; Sunjoy; Tide; Yongnong



انجلو جلف المحدودة ANGLO GULF LIMITED

Material Safety Data Sheet

HALOXYFOP-R-METHYL 108 EC

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product Name : HALOXYFOP-R-METHYL 108 EC
Product Type : Herbicide
Company Name : ANGLO GULF LIMITED
Address : P.O.Box 16887
Jebel Ali Free Zone,
DUBAI, United Arab Emirates
Tele : 00971 4 8835039
Fax : 00971 4 8835853
E-mail : agadxbme@emirates.net.ae
Web Site : www.anglogulf.ae

2. HAZARDS IDENTIFICATION

Irritating to eyes.
Toxic to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Proportion (g/l)
Haloxypop-R-methyl ester	072619-32-0	108
N-butyl alcohol	71-36-3	30
Other inert non hazards ingredients -		100
Aromatic hydrocarbon solvent		Q.S

4. FIRST AID MEASURES

Inhalation

Remove affected person to fresh air until recovered.

Skin Contact

Wash affected areas thoroughly with soap and water. If irritation persists, seek medical advice.

Eye Contact

If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.

Seek medical advice immediately.

Ingestion

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

Note to Physician

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Dubai, United Arab Emirates
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Website: www.anglogulf.com

Registered Address: P.O. Box 3136, Tortola, British Virgin Islands

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E-mail: agadxbme@emirates.net.ae



انجلو جلف المحدودة

ANGLO GULF LIMITED

No specific antidote. This material contains a solvent. If lavage is performed, suggest end tracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Supportive care. Treatment based on judgment of physician in response to symptoms of patient.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, foam, carbon dioxide or dry chemical.

Hazardous from Combustion Products

Not combustible. May emit toxic fumes of hydrogen chloride or phosgene if involved in fires or Exposed to extreme heat.

Special Protective Equipment for Fire Fighters

Breathable air apparatus must be worn when fighting a fire in which this product is involved.

6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal

Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite).

Collect spilled material and waste in sealable open-top type containers for disposal.

Dispose of at landfill in accordance with local regulations.

Environmental Precautions

Prevent from entering drains, waterways or sewers.

7. HANDLING AND STORAGE

Handling

Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work. Avoid eye contact.

Storage

Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. Protect from excessive heat and cold. Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilizers. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

None established for the Active Ingredient(s). Supplier recommendation for solvent is 100 ppm

Engineering Controls

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Respiratory Protection

For most conditions, no respiratory protection should be needed. However, when airborne exposure guidelines and/or comfort levels may be exceeded use an approved air-purifying respirator.

For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

Hand/Skin Protection

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For brief contact, no precautions other than clean body-covering clothing and impervious gloves should be needed. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

For emergency conditions: Use protective clothing impervious to this material. Selection of specific items will depend on operation.

Eye/Face Protection

Use chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear light brown liquid
Density	: 1.000 ± 0.05 g/ml at 20 °C
pH	: 7 – 10
Solubility in Water	: Emulsifiable with water
Freezing Point/range	: $<-10^{\circ}\text{C}$
Flammability	: highly flammable
Flash Point	: 70°C
Oxidizing properties	: Not oxidizing

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions of warehouse storage.

Incompatible Material

Strong acids, strong bases and strong oxidising agents.

Conditions to Avoid

Avoid extremes of temperature.

Hazardous Polymerization

Hazardous polymerization is not possible.

11. TOXICOLOGICAL INFORMATION

Ingestion	Single dose oral toxicity is considered to be low. The oral LD50 for rats is >5000 mg/kg.
Skin Contact	The dermal LD50 for rats is >2000 mg/kg. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Prolonged or repeated exposure may cause slight skin irritation.
Sensitization	Non-sensitizing to guinea pig skin.
Eye Contact	May cause severe eye irritation.
Inhalation	No adverse effects anticipated by this route of exposure incidental to proper handling. LC50 $>4, 7$ mg/l/4hours.

12. ECOLOGICAL INFORMATION

Persistence and Degradability

Assessment largely or completely based on data for similar material(s). Rapidly hydrolysed in soil and water (with a half-life of less than 1 day) to the parent acid, this undergoes further degradation. Half-life of the parent acid in soil and water is dependent on conditions and is approximately 21 days.

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Aquatic Toxicity

Assessment largely or completely based on data for similar material(s).

Material is moderately toxic to fish on an acute basis (1mg/L <LC50 <10mg/L).

Material is moderately toxic to aquatic invertebrates on a static acute basis (1mg/L <LC50 <10mg/L).

Material is harmful to algae (10mg/l < IC50 <100mg/l).

Avian Toxicity

Assessment largely or completely based on data for similar material(s).

Material is practically non-toxic to birds on an acute basis (LD50 >2000mg/kg).

Other Information

Non-toxic to bees.

13. DISPOSAL CONSIDERATIONS

Product Disposal

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals.

Container Disposal

Do not use this container for any other purpose. Triple rinse containers; add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for the refill or storage. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree root. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

UN NO: 3082

Remarks: Sample shipment not allowed by mail.

Road & Rail

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Haloxypop)
Truck/Rail ADR/RID : 9
Label : 9
Classification Code : M6
Packing Group : III
Kemler Code : 90
UN Number : 3082
Tremcard Nr. CEFIC : 90GM6-III

Sea

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Haloxypop)
Sea - IMO/IMDG Class : 9
UN Nr : 3082
Label : 9
Packing Group : III
EMS : -

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Marine Pollutant	: Y (Y/N)
Air	
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Haloxypop)
Air-ICAO/IATA Class	: 9
UN Nr	: 3082
Label	: 9
Packing Group	: III
Pack Instr. Passenger	: 914
Pack Instr. Cargo	: 914

15. REGULATORY INFORMATION

Hazard Symbol	: Xi - Irritant
Risk Phrases	: Irritating to eyes.(R36)
Safety Phrases	: Keep out of reach of children. (S2) Keep away from food, drink and animal feeding stuffs. (S13) When using do not eat, drink or smoke. (S20/21) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S26)
National legislation	: In accordance with the South African National Road Traffic Act, 1996 (Act 93 of 1996), the Fire Brigade Act, 1987 (Act 99 of 1987) and the Occupational Health and Safety Act, 1993 (Act. No. 85 of 1993)

16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this information in the specific context of the intended application. ANGLO GULF LIMITED will not be responsible for damages of any nature resulting from use of or reliance upon this information.

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**GUIDELINES FOR THE REGISTRATION OF PESTICIDES UNDER
VARIOUS CATEGORIES AS PER THE
INSECTICIDE ACT, 1968 AND RULES 1971**

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INTRODUCTION

Pesticides are inherently toxic in nature as they are designed to develop to kill or combat the insects, diseases and weeds. Pesticides are being used worldwide with regulation. In India pesticides are being regulated through the Insecticide Act, 1968 and Rule 1971. The registration of pesticides is mandatory. The Act provides for use of only registered pesticides as per the label claim. Guidelines are considered as a key and fundamental document for the registration of pesticides and these guidelines are encompassing the scientific requirements and procedural aspects designed to ensure the safety, efficacy and quality of pesticides before they are marketed.

Stakeholders generating data and submitting the application for registration should ensure that the tests are conducted and data generated in accordance with established scientific procedures following the test guidelines and the principles of Good Laboratory Practices, wherever applicable. The data should be authentic, replicable, utilizable and of good quality. The complete study reports should be submitted. The requirement for registration usually includes data and information on proposed application; data on identity of the insecticide (identity, composition, analysis and quality); data to assess risk to humans and the environment; data to assess efficacy of the product; and the packaging and labelling requirements.

The data requirement for registration of insecticides varies with the type of insecticides to be registered (i.e. chemical or bio-pesticide and also type of bio-pesticide i.e. Microbial Pest Control Agent (MCPA) or Botanical or Semio-chemical/Pheromone); the type of material to be registered i.e. Technical or Formulation or Manufacturing Use Product (MUP); the type of formulation; solid (WP, granules, powder) etc. liquid (EC, EW, SC etc.) or Vapor (vaporizer, fumigants etc.); the category of registration – i.e. provisional [u/s 9(3B)]; regular [u/s 9(3)] or subsequent “Me-too” [u/s 9(4)] as per the provisions (Please refer section (9) of the Insecticides Act, 1968); and purpose of registration – domestic use or export or for both (domestic use and export); the intended use of the pesticide to be registered or its label claims etc. Hence, before starting data generation or submitting application for registration, the applicant should ensure that the requirements are being complied correctly for the type of pesticide to be registered under the desired category and for the intended purpose.

The registration of Technical Grade Pesticide is mandatory before or simultaneously in case of all registrations including Formulation Import and Formulation Indigenous Manufacturing. The data submitted by the applicant at the time of seeking registration under section 9(3b) shall not be

required to resubmit again at the time of submission of application for regular registration under section 9(3) by the same applicant, if chemical composition and other claims remain unchanged.

The registration committee has constituted an expert committee in its 466th and 468th RC meeting and committee conducted five different meetings and compiled all the guidelines approved by the registration committee in its various meetings. The overall guidelines were categorized in to five different sub categories viz.,

- i. General guidelines
- ii. Guidelines for the export and import of pesticides
- iii. Guidelines for the registration of chemical pesticides for agricultural purposes
- iv. Guidelines for the registration of biopesticides for agricultural purposes
- v. Guidelines for the registration of pheromones, house old insecticides, public health purposes, air craft disinfectant, insecticides for the control of ectoparasites

CATEGORY: 1: GENERAL GUIDELINES

**Sub category 1.1: Implementation of KYC on CROP Portal for Registration of Pesticides
as per the Insecticide Act, 1968 and Rule 1971**

KYC PREVIEW				
GOVERNMENT OF INDIA MINISTRY OF AGRICULTURE (DEPARTMENT OF AGRICULTURE & FARMERS WELFARE) DIRECTORATE OF PLANT PROTECTION QUARANTINE AND STORAGE NH IV, FARIDABAD (HARYANA)-121001				
1. Name of the Company/Firm/Person				
2.Full address of Registered Office				
3.PAN number & date				
4.Full address for correspondence with email & phone number				
5.GST Numbers	Location		Number	
(Full address of each manufacturing site (including the one if located at same premises as the Registered office.)	1.			
	2.			
	3.			
6.Name of the authorized person/s submitting this Information	i) Full name			
	ii) Designation			
	iii) Email i.d.			
	iv) Landline no.			
	v) Mobile no.			
7.IEC Code Number				
8.SSI Certificate Number				
9.Company URL /Website				

Information to be furnished under the following 8 headings: -

1. Policy & Practices Information.
2. Plant & Machinery Information.
3. Quality Control Equipment Information.
4. Land & Buildings Information.
5. Financial Information.
6. Compliance Information.
7. Registration Information.
8. Production Information.
 - a. Submit each information manufacturing site wise where applicable.
 - b. No question should be left blank.
 - c. Mark reply as Y for yes, and N for No.
 - d. Do mark the number indicated for each document that is attached and as indicated in the Format.
 - e. Do mention name of Company site on each page.
 - f. The KYC Form is to be updated by 30th Sept every year or earlier, based on the completion of the Company's audit and its approval by Board of Directors/Partners/Proprietary Owner. Certain information has to be uploaded periodically, and as indicated in this performa. (SRS) for linking with CIB & RC update.
 - g. Each information given herein must be factual and accurate: any misleading/fake information given would be liable for prosecution.

Verification:

1. Policy & Practices Information

1.1. Quality Policy	Reply Y(yes)/ N (no)
1.1.1. Do you have a documented Quality Policy of the company? <i>If yes, then please attach a copy marked 1.1.1.</i>	
1.1.2. Has the Policy been communicated to all employees of the organization in the language that everyone understands? If yes, then describe	
When, How? (e.g. holding employee meeting, Notice Board)	
1.1.3. Whether the Policy has been displayed at prominent locations in the factory? If yes, where?	
Locations	
1.1.4. Do you have a clearly defined policy for handling consumer Complaints and returned product from the market? <i>attach a copy marked 1.1.4</i>	
1.2. Safety Policy	
1.2.1. Do you have a documented Safety and Environment Policy of the company? <i>If yes, please attach a copy marked 1.2.1.</i>	
1.2.2. Has the Policy been communicated to all the employees of the organization in the language(s) that everyone understands? If yes, then please specify:	
I When, How?	
1.2.3. Whether the policy has been displayed at prominent location. If yes, then please specify:	
Where, How?	

1.3. Organization	

1.3.1. Is the clearly defined organization chart available? <i>If yes, please attach a copy marked</i> 1.3.2. Whether the organization chart clearly defines personnel responsible for each key area? 1.3.3. Does the responsibility chart also pinpoint the person responsible for market complaints? 1.4. Training programme 1.4.1. Whether employees are trained about the safety norms framed by the organization? 1.4.2. Does the company hold regular/ refresher training classes for the Personnel in the following area? a. Safety & fire fighting b. Occupational health hazards c. Spillage control d. Manufacturing operations e. On site emergency f. Offsite emergency g. Quality consciousness h. Samples handling i. Use of personal protective equipment 1.5. Amenities Employee/workers Whether following amenities are available 1.5.1. Change room 15.2. Lockers for keeping personal items 1.6. Dispensary	

	KEY MAN POWER/EMPLOYEE Name/s of Factory Incharge..... Designation..... Production Incharge..... Designation..... Quality Control/Assurance Incharge..... Designation.....

	Safety & Environment Incharge Designation.....

2. Method**2.1. Raw material and Product storage**

2.1.1. Do you have a written **Standard Operating Procedures (SOP)** for Handling the following raw materials?

a. Technical

b. Solvents

c. Additives

d. Adjuvants/Inert Materials

If yes, attach a copy-marked 2.1.1.

2.1.1. Whether SOP is displayed near the workstation?

2.1.2. Whether calibration charts of storage tanks are available?

2.1.3. Whether measuring devices are calibrated at regular intervals to counter check their reliability?

2.1.4. Do you have written SOP for handling finished and packed formulations?

2.1.5. Whether the SOP for handling Packed Product is displayed near the working station? ***If yes, please attach a copy marked 2.1.6***

2.2. Manufacturing

2.2.1. Whether equipment layout and flow diagram of the plant displayed at proper place in the plant?

2.2.2. Whether each equipment/storage tank/pipeline/instrument are identified and clearly labelled?

2.2.3. Do you have written SOP for every formulation you make?

2.2.4. Check whether SOP for formulation includes Following:

- a. Optimum batch size
- b. Complete sequence and time of operation
- c. Formula of the process

d.	All the safety checks	
e.	Sampling procedure	
f.	Ventilation of the equipment involved in manufacturing/formulation	
g.	Decontamination after change in formulation product	
2.2.5. Do you have formats for daily production report?		
2.2.6. Do you have preventive maintenance plan?		
2.2.7. Whether calibration of all equipment and instrument is done and calibration on shop floor?		
2.2.8. Do you have SOP for reprocessing the rejected batch?		
2.2.9. Do you maintain batch wise log sheet of production is recorded.		
2.3. Quality Assurance		
2.3.1. Do you have clearly defined system for quality assurance?		
2.3.2 Do you keep records of tests done for raw materials, packaging Materials and finished products?		
2.3.3. Do you have standard samples for counter testing and are recorded for traceability?		
2.3.4. Do you preserve the samples till the expiry date of the batch, for testing to attend to customer complaints if received?		
2.3.5. Do you have preventive and periodic maintenance plans for analytical Instruments?		
2.3.6 Does reliability check plans and SOP for calibration of laboratory Equipment exist.		
<i>If yes, please attach a copy marked 2.3.12</i>		
2.4. Safety, Health & Environment		
2.4.1. Whether a documented system has been prepared for the precautions to be taken by workers before going to manufacturing area, lunch I dinner I tea and rest room etc. from manufacturing area?		
<i>If yes, please attach a copy marked 2.4.1</i>		

2.4.2. Whether this document necessarily consist of the following:	
a. Where and how to keep personal belongings and eatables?	
b. Where, when and how to wash hands, face etc.?	
c. Where, when and how to take bath after working?	
2.4.3. Whether the worker shave adequately been trained for the above?	
2.4.4. Do you have safety datasheets available for the following materials:	
a. For each a. i.(Technical)pesticide	
b. Chemicals and intermediates	
c. Solvents	
d. Each and every adjuvant/additive	
2.4.5. Do you have SOP for the following:	
a. Handling of hazardous material?	
b. Spillage control of hazardous material?	
c. Decontamination of equipment?	
d. Using air-breathing apparatus?	
<i>If yes, please attach a copy marked 2.4.5</i>	
2.4.6. Whether SOPs are displayed at prominent places in the plant for all the persons to view?	
2.4.7. Whether vents of all the equipment are connected to a suitable air treatment system?	
2.4.8. Do you have waste treatment and disposal system?	
Attach its flow diagram marked 2.4.8.1	
2.4.9. Have you developed a safety procedure for unloading and reprocessing the rejected batch?	
2.4.10 .Do you have a Manual for dealing for fire hazards?	

2.4.11. Does this Manual contain the following:	
a. List of Persons responsible to deal with emergency?	
b. Procedure on dealing with small and big fire?	
c. Use of fire extinguishers?	
d. Responsibilities of the persons during emergency?	
e. List of important Telephone nos. including that of Fire brigade Police, Senior Officers of the Company.	
f. List of fire extinguisher and document showing location of each fire extinguisher in the factory premises?	
g. Document showing location of fire alarm in the factory?	
h. SOP for operating fire hydrant system?	
i. Refilling fire-fighting equipment?	
2.4.12. Preventive maintenance schedule of fire extinguishers and fire hydrant system has been prepared?	
2.4.13. Are you keeping a record of the mock drills being done for fire fighting?	
3. Raw material storage facilities	
6.1. a. Do you have safe(safety against fire and exposure) area for Storage	
b. Do you have a covered, adequately sized and properly ventilated shed for storage?	
4. Storage	
a. Do you have safe unloading system for solvents received in tankers?	

b. Do you have safe (in terms of stacking heights), covered, adequately sized and properly ventilated shed for storage? c. Do you have a separate area for keeping rejected raw materials?	

5. Storage and finished goods	
5.1. Do you have covered and adequately sized storage area for keeping finished product?	
5.2. Whether the storage area is provided with adequate fire proof lights?	
5.3. Whether the area is properly ventilated?	
5.4. Whether the area is provided with fire fighting equipment?	
5.5. Whether separate storage area provided for herbicides?	
5.6. Whether separate quarantine space provided for rejected/returned goods?	
6. Safety, health and environment	
6.2. Whether the worker amenity and canteen are situated sufficiently far away, as per the norms, from the manufacturing unit and storage area for raw and finished goods?	
6.3. Does the plant building been provided with lightening arrestor?	
6.4. Does the building and plant & machinery in it meant for formulation of herbicides is used exclusively for this purpose only? Is it separately located and used exclusively to avoid cross contamination.	
6.5. Does the building has separate area for storing following materials	
a. Raw materials	
b. Packing materials	
c. Rejected materials	
d. Finished products	
6.5 .Do you have proper disposal system for following:	
a. Solid waste?	
b. Rejected packing components?	
c. Rejected product?(As per CIB/Excise guidelines)	
6.6. Do you have fire-fighting equipment on each floor of the plant	
6.7. Do you have fire hydrant system?	

6.8. Do you have sufficient quantity of following personnel protective equipment:	
a. Cotton hand gloves	
b. Hand gloves rubber	
c. Surgical hand gloves	
d. Nose filters	
e. Cotton masks	
f. Goggles	
g. Safety shoes	
h. Air breathing apparatus	
i. Face shields	
j. Helmets	
k. Cotton caps	
l. Workers Uniform for work area	
m. Firefighting kit	
n. Safety belt	
6.9. Are the workers being provided with fresh duly washed working uniform at the beginning of every shift?	
6.10. Do you have a collection area for used uniforms, where every employee can keep his used uniform at the end of the shift and then sent to decontamination plant for washing?	
6.11. Do you have in house clothes washing machine and decontamination facility? If not, describe how the uniforms are washed after use.	

6.12. Does the dispensary have following facility: a. First aid box b. Oxygen cylinder with its fixtures and regular c. Stretcher d. Wheelchair e. Eye wash station f. Adequate quantity of atropine injection and tablets g. Cholinesterase kit h. Ambulance i. In house Doctor/paramedic j. Doctor on call	
6.13. Whether arrangements have been made with nearby specialty hospital to treat cases in emergency?	
6.14. Whether plant/equipment for manufacture of herbicides/weedicides all together separate to avoid cross contamination?	
6.15. Health record of workers as specified in insecticide act.	
Any other remarks	

Verification

I.....S/D/o.....do hereby solemnly verify that to the best of my knowledge and belief, the information given in the application and the annexures attached to it are correct and complete. I clearly understand that the Certificate of Registration and Manufacturing License after issuance is liable to be cancelled, as well as any legal action against me, if any information or data submitted with the application is found incorrect or false at any stage or any condition of the Registration Certificate or Manufacturing Licence granted against this application is violated.

I hereby confirm that the equipment's installed are of the right specifications and materials of construction, and all necessary attention to safety, environmental precautions have been taken to and ensure consistent quality of the finished products manufactured by us.

I further declare that I am making this application in my capacity as.....and that I am competent to make this application and verify it by virtue of.....an attested copy of which is enclosed herewith.

Place.....

Date.....

Signature:
Name:
Designation:
Company:

2. Plant & Machinery Information

WHICH TYPES OF FORMULATIONS

YES/NO

1.	Emulsifiable Concentrate (EC)	
2.	Suspension Concentrate (SC)	
3.	Water Dispersible Granule (WDG)	
4.	Wettable Powder (WP)	
5.	Granules Formulation	
6.	Soluble concentrate (SL)	
7.	Micro emulsion (ME)	
8.	Oil dispersion (OD)	
9.	Water soluble powder (SP)	
10.	Water dispersible powder for slurry treatment (WS)	
11.	Flowable concentrate for seed treatment (FS)	
12.	Capsule Suspension (CS)	
13.	A mix formulation of CS and SC (ZC)	
14.	A mix formulation of CS and SE (ZE)	
15.	A mix formulation of CS and EW (ZW)	
16.	Emulsion oil in water (EW)	
17.	Suspo-emulsion (SE)	
18.	Water soluble granules (SG)	
19.	Technical Grade Manufacture	

Mark Formulation wise equipment installed**YES/NO**

1	Emulsion Concentrate (EC)
1.1	Manufacturing equipment for EC plant

- Bulk storage tank for solvent
- SS Mixing vessel with stirrer
- Charging pump
- Fume ducting with scrubber
- Filtration equipment
- SS Storage Vessel for finished product
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking ETC
- Vent Hoods

2	Suspension Concentrate (SC)
2.1	Manufacturing equipment for SC plant

- SS pre mixing vessel with stirrer
- SS storage vessel with stirrer
- Jacketed SS Vessel for Gum solution with Stirrer
- Charging pump
- Bead mill/Colloid mill
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Chilling plant with cooling tower

3	Water Dispersible granules (WDG)
3.1	Manufacturing equipment for Extruded Granules plant

- Grinding machine pulverize/ACM/Jet Mill
- SS Pre/post mixer or blender
- Extruder
- Sieving machine
- Fluid bed or Tray Dryer
- Hot air generator
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Air compressor with receiver tank

3	Water Dispersible granules (WDG)
3.2	Manufacturing equipment for Spray Dried Granules plant

- SS pre mixing vessel with stirrer

- SS storage vessel with stirrer
- Jacketed SS Vessel for Gum solution with Stirrer
- Charging pump
- Bead mill/Colloid mill

- Spray drying plant
- Hot air generator
- Sieving machine
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking ETC
- Air compressor with receiver tank
- Chilling plant with cooling tower

4	Wettable powder (WP)
4.1	Manufacturing equipment for WP plant

- Grinding machine pulverizer/ACM/Jet Mill
- SS Pre mixer or blender
- Blender mixer
- Formulated product storage silo
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Air compressor with receiver tank
- Chilling plant with cooling tower

5	Granules Formulation
5.1	Manufacturing equipment for Granule plant

- Vibro sifter/siever for blank carrier material
- Feeding channel/Chute/buclet elevator/Screw conveyer
- Raw material feed tank
- Blender/ Rotary mixer
- Siever
- Bag filler
- Weighing machine or platform balance
- Dryer
- Sprayer
- Packing machine
- Labelling/Batch Marking etc.

6	Soluble concentrate (SL)
6.1	Manufacturing equipment for SL plant

- Bulk storage tank for solvent
- SS Mixing vessel with stirrer
- Charging pump
- Fume ducting with scrubber
- Filtration equipment
- SS Storage Vessel for finished product
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Vent Hoods

7	Micro emulsion (ME)
7.1	Manufacturing equipment for ME plant

- Bulk storage tank for water/solvent
- SS Mixing vessel with stirrer
- Charging pump
- Fume ducting with scrubber
- Filtration equipment
- SS Storage Vessel for finished product
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Vent Hoods

8	Oil dispersion (OD)
8.1	Manufacturing equipment for OD plant

- Jacketed SS high shearing mixing vessel
- SS storage vessel with stirrer
- Charging pump
- Bead mill/Colloid mill
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Chilling plant with cooling tower

9	Water soluble powder (SP)
9.1	Manufacturing equipment for SP plant

- Grinding machine pulverizer/ACM/Jet Mill
- SS Pre mixer or blender
- Blender mixer
- Formulated product storage silo
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking ETC
- Air compressor with receiver tank
- Chilling plant with cooling tower

10	Water dispersible powder for slurry treatment (WS)
10.1	Manufacturing equipment for WS plant

- Grinding machine pulverizer/ACM/Jet Mill
- SS Pre mixer or blender
- Blender mixer
- Formulated product storage silo
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Air compressor with receiver tank
-
- Chilling plant with cooling tower

11	Flowable concentrate for seed treatment (FS)
11.1	Manufacturing equipment for FS plant

- Jacketed SS high shearing mixing vessel
- SS storage vessel with stirrer
- Jacketed SS Vessel for Gum solution with Stirrer
- Charging pump
- Bead mill/Colloid mill
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Chilling plant with cooling tower

12	Capsule Suspension (CS)
12.1	Manufacturing equipment for FS plant

- Jacketed SS high shearing mixing vessel
- SS storage vessel with stirrer
- Jacketed SS Vessel for Gum solution with Stirrer
- Charging pump

- Bead mill/Colloid mill
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Steam boiler or water bath

13	A mix formulation of CS and Sc (ZC)
13.1	Manufacturing equipment for ZC plant

- SS pre mixing vessel with stirrer
- Jacketed SS high shearing mixing vessel
- SS storage vessel with stirrer
- SS post mixing vessel with stirrer
- Jacketed SS Vessel for Gum solution with Stirrer
- Charging pump
- Bead mill/Colloid mill
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Chilling plant with cooling tower
- Steam boiler/ water bath

14	A mix formulation of CS and SE (ZE)
14.1	Manufacturing equipment for ZE plant

- SS pre mixing vessel with stirrer
- Jacketed SS high shearing mixing vessel
- SS storage vessel with stirrerSS post mixing vessel with stirrer
- Jacketed SS Vessel for Gum solution with Stirrer
- Charging pump
- Bead mill/Colloid mill
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Chilling plant with cooling tower
- Steam boiler/ water bath

15	A mix formulation of CS and EW (ZW)
15.1	Manufacturing equipment for ZW plant

- SS pre mixing vessel with stirrer
- Jacketed SS high shearing mixing vessel
- SS storage vessel with stirrer
- SS post mixing vessel with stirrer
- Jacketed SS Vessel for Gum solution with Stirrer
- Charging pump

- Bead mill/Colloid mill
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Steam boiler/ water bath

16	Emulsion oil in water (EW)
16.1	Manufacturing equipment for FS plant

- Jacketed SS high shearing mixing vessel
- SS storage vessel with stirrer
- Jacketed SS Vessel for Gum solution with Stirrer
- Charging pump
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Chilling plant with cooling tower

17	Suspo-emulsion (SE)
17.1	Manufacturing equipment for SE plant

- Jacketed SS high shearing mixing vessel
- SS storage vessel with stirrer
- Jacketed SS Vessel for Gum solution with Stirrer
- Charging pump
- Bead mill/Colloid mill
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Chilling plant with cooling tower

18	Water soluble granules (SG)
18.1	Manufacturing equipment for Extruded Granules plant

- Grinding machine pulverizer/ACM/Jet Mill
- SS Pre/post mixer or blender
- Extruder
- Sieving machine
- Fluid bed or Tray Dryer
- Hot air generator
- Dust collector with scrubber
- Weighing machine or platform balance
- Packing/filling machine line
- Labelling/Batch Marking etc.
- Air compressor with receiver tank

Mark if manufacturing technical grade Insecticides/Pesticides

19	Technical Grade Manufacture	
19.1	Plant and Machining Installed	
	▪ Control console	
	▪ Feed tank for material	
	▪ Reactors	
	▪ Distillation towers	
	▪ Evaporators	
	▪ Condensers/Heat exchangers	
	▪ Boiler/Steam Plant	
	▪ Chilling System	
	▪ Crystallizers	
	▪ Centrifuges	
	▪ Driers	
	▪ Phase Separators	
	▪ Extractors	
	▪ Storage Tanks	
	▪ Pollution Treatment equipment	
	▪ Fire Fighting Facilities	
	▪ Packing System	
	▪ Scrubber System	
	▪ Pumps	
	▪ Filters	
	▪ Powder Transfer System	
	▪ Local Exhaust Ventilation System	
	▪ Vacuum Systems (Ejectors/Vacuum Pumps)	
	▪ Utilities Facility (N ₂ , Air, Chilled Water/Brine)	
	▪ Cooling System	

3. Quality Control Equipment Information:

QC Equipment installed in Laboratory	Y/N
• Gas Chromatography (GC)	
• GC MS	
• LC MS	
• GC Headspace	
• High performance liquid Chromatography (HPLC)	
• Sonicator	
• UV-VIS Spectrophotometer	
• Flash point apparatus	
• Karl fisher Titrator	
• pH Meter	
• Electronic weighing Balance for Wet Lab	
• Analytical Weighing Balance	
• Heating Mantles	
• Hot Plates	
• Magnetics Stirrers	
• Wrist Shaker	
• Hot air Oven	
Analytical Instruments for Laboratory	
• Particals Size Analyzer	
• Viscometer	
• Mechanical Stirrer	
• Fume hood	
• BIS Test Sieves	
• Melting Point Apparatus	

Guidelines for the Registration of Pesticides

- Stop Watch
- Water Distillation Unit
- Solvent Distillation Unit
- Solvent Distillation apparatus
- Air Conditioner

4. Land & Buildings Information:

Add of the site

- a) Total land area at site:.....s.m.
- b) Area used for formulation:.....s.m.
- c) Area used for technical manufacturing.....s.m.
- d) Covered area for QC Laboratory.....s.m.
- e) Covered area for R&D Laboratory.....s.m.
- f) Covered area used for waste treatment.....s.m.
- g) Covered area used for worker facilities.....s.m.
- h) Covered area used for medical emergency.....s.m.
- i) Geo tagging (Log&Lot)East/West/North/South
- j) Covered area for QC lab/Tech/Worker facility

- **Mention what is on its:**
East.....
West.....
North.....
South.....

Other items for Laboratory

- Micro Syringe for GC and Micro Syringe for
- Internal Standards
- A Grade Glassware
- Refrigerator
- Required Laboratory reagents

1

7

10

1

7

- Gas Cylinders of Nitrogen, Hydrogen and Zero air
- Gas Generator (Air, N₂, H₂)
- Specification/BIS Standards of products to be tested/manufactured
- Proper Storage Facilities to store lab re agents, batch wie sample of finished products

5. FINANCIAL INFORMATION

Information on				
<u>S.No.</u>		<u>2020-2021</u>	<u>2021-22</u>	
1.	Net Sales Turnover of pesticides			
2.	Value of Plant and Machinery			
	Gross-			
	Net-			
3.	Value of QC Equipment			
	Gross-			
	Net-(After Depreciation)			
4.	Cost of Buildings			
5.	Annual Rent Paid for Building (if Rent Paid)			
<u>6.</u>	Annual Rent Paid for Exports			
<u>7.</u>	Net value of Exports			
<u>8.</u>	Net value of Imports			

- a) The above data is required for the business of pesticides and their intermediates manufacturing only.
- b) Do not include data of other products business in the above.
- c) All figures are to be given in lakhs in each column.

6. COMPLIANCE INFORMATION

(To be submitted separately for each manufacturing Site).

1. Approval received from the Chief Inspector of Factories valid up to.....(date)
Marked as 2A
2. Approval received to operate from the State Pollution Control Board valid up**Marked as 2B**
3. Approval received from the Petroleum and Explosives Safety Organisation for storage of solvents etc. valid upto.....**Marked as 2C**
4. Approval/NOC from the Fire Deptt valid upto.,.....(date) **Marked as 2D**
5. Copies of the electricity bills for immediate past 3 months. **Marked. as 2E,2F,2G**
6. Copy of insurance taken under the Public Liability Act 1961 valid up to.....**Marked as 2H**
7. Copy of Site plan prepared for emergency response duly approved by DISH Authorities.
(Factory Inspector)
8. A map of the Factory Land showing different buildings and marked for Raw Material Storage, Production Area, Quality Control Lab, Workers Amenities and Office Premises
It should be in A-4 size sheet. **Marked as 2I**

Accreditation:

Do you have any of the following accreditation, if yes give date of accreditation of validity

GLP	
NABL	
ISO 27000	

9. Site wise **option** of manufacturing license.

7. Registrations Information:**A.**

S.No.	Name of Product	Regn No.	Date of Registration	Section category	Type	Name of approved source of import	I/F/H/Bio	Yes/No	Manufacturing License

*e.g. TI vs TIM)

B. Export only Registration

S.No.	Name of Product	Regn No.	Date of Registration	Section category	Type	Name of approved source of import	I/F/H/Bio	Yes/No	Manufacturing License

*e.g. TI vs TIM)

C. Registration for imports against Exports

S.No.	Name of Product	Regn No.	Date of Registration	Section category	Type	Name of approved source of import	I/F/H/Bio	Yes/No	Manufacturing License

*e.g. TI vs TIM

D. Bio Pesticide Registrations

(Type in chronological order)

S.No.	Name of Product	Regn No.	Date of Registration	Section category	Type	Name of approved source of import	I/F/H/Bio	Yes/No	Manufacturing License

E. Name and designation of the Expert Staff as given in Form III 2(a).

S.No.	Name	Designation

F. Endorsements

Company Name change:

sub category: 1.1: Guidelines for the Inclusion of Pesticide in the Insecticide Schedule

(Approved by the Central Insecticide Board (CIB) meeting in its 22nd meeting held on 28th May 1992)

1. Common name of the proposed pesticides
2. Chemical name of the proposed pesticides
3. Literature support
 - I. Chemistry
 - II. Bio-efficacy
 - III. Toxicity
4. Registration status in other countries

Subcategory: 1.2: Guidelines for minimum infrastructure facilities to be created by the manufactures of botanical biopesticides (Pyrethrum, Azadiractin, Cymbopogon etc..)

(Approved by the registration committee in its 297th RC meeting held on 29.01.2009)

S. No. Manpower Requirement

1. Quality Control Biologist
2. Sufficient personnel to supervise production, maintenance, stores etc.

General Requirement

1. Extraction room
2. Production room
3. Formulation unit
4. Packing and storage room
5. Quality control laboratory
6. Protective clothing
7. Respiratory devices
8. First aid measures
9. Waste disposal arrangement in compliance with Pollution Control norms

Plant Equipment/Instrument Requirement

1. Phase separation vessels
2. Decanter
3. Mixing vessels with stirrer
4. Centrifuge
5. Soxhlet apparatus
6. Electric oven with thermometer
7. Chemical measuring cylinders

8. Chemical transfer pumps
9. Filter pressure pump
10. Measuring cans
11. Electric weighing machine
12. Counter scales
13. Filtration assembly
14. Water distillation unit
15. Wrist action shaker
16. Blender
17. Vortex
18. Large air tight containers
19. Material filling trays
20. Storage tank
21. Filling machine
22. Sealing machine
23. Packing accessories

Laboratory Equipment/Instrument Requirement

1. HPLC System
2. pH meter
3. Spectrophotometer
4. Refrigerator
5. Thermometer
6. Microscope
7. Autoclave

8. U. V. Lamp
9. Abel flash point Apparatus
10. Incubator
11. Glassware viz. Conical Flasks, Test tubes, Beaker, Separating funnel, Funnels, Glass tubes, etc.
12. Pipette fillers
13. Pipette
14. Burette
15. TLC apparatus & accessories
16. Micro-syringes

Note: These are the general requirements of minimum infrastructure to be created by the manufacturers. However, for specific botanical biopesticides formulation(s) and their quantum of production, requirement of manpower, space, equipment /instrument may be needed.

Subcategory: 1.3: Guidelines for minimum infrastructure facilities to be created by the manufactures of Baculoviruses (Nuclear polyhedrosis virus (NPV), Granulosis virus (GV))

(Approved by the registration committee in its 297th RC meeting held on 29.01.2009)

S. No. Manpower Requirement

- 1 Quality Control Biologist
2. Sufficient personnel to supervise production, maintenance, stores etc.

General Requirement

1. Post culture production room with temperature and humidity control
2. Moth ovi-position room with temperature and humidity control
3. Production room with temperature and humidity control
4. Diet preparation room
5. Virus processing lab.
6. Quality control lab.
7. Formulation unit
8. Cold storage
9. Washing and sterilization facility
10. Stores room
11. Protective clothing
12. Respiratory devices
13. First aid measures.
14. Waste disposal arrangement in compliance with Pollution Control norms

Equipment/Instrument Requirement

1. Diet preparation machine (mixer)
2. Diet dispenser.

- 3 Multi channel pipette
4. Vacuum pump with an aspirator
5. Blenders
6. Multipurpose centrifuges
7. B.O.D. incubator or an incubator room or an environmental chamber
- 8 Scale balance
- 9 Digital balance
9. Haemocytometer shallow depth Counting chamber
11. Hot air oven.
12. Compound research microscope.
13. Zoom microscope.
14. Vortex mixers
15. Tally counters
16. Electric stove.
17. Autoclave
18. Shaker.
19. Water distillation unit.
20. Air conditioners
21. Humidifiers
22. Oviposition iron cage
23. Washing machine
24. Racks and cabinet
25. Refrigerators

Note: These are the general requirements of minimum infrastructure to be created by the manufacturers. However, for specific baculovirus formulation(s) and their quantum of production, requirement of manpower, space, equipment/ instrument may be needed.

Subcategory: 1.4: Guidelines for minimum infrastructure facilities to be created by the manufactures of microbial biopesticides (Antagonistic fungi, Entomopathogenic fungi, Antagonistic bacteria and Entomopathogenic bacteria.

(Approved by the registration committee in its 297th RC meeting held on 29.01.2009)

S. No. Manpower Requirement

- 1 Quality Control Biologist
2. Sufficient personnel to supervise production, maintenance, stores etc.

General Requirement

1. Production, Mixing & Drying Room and Formulation Unit for Antagonistic fungi/ Entomopathogenic fungi
2. Inoculation, Fermentor, & Sterilization Room and Formulation unit for Antagonistic bacteria/ Entomotoxic bacteria.
3. Packaging and storage room
4. Quality Control laboratory
5. Protective clothing
6. Respiratory devices
- 7 First Aid Measure
8. Waste disposal arrangement in compliance with Pollution Control norms

Plant Equipment Requirement

1. Plant Fermentor with all accessories / Bioreactor / Shaker
2. Steam Boiler
3. Chilling plant
4. Air compressor
5. RO/ Softener (water treatment plant)
6. Distillation Unit

7. Micro centrifuge
8. Magnetic stirrer
9. 300 μ m and 160 μ m Sieves
10. Electronic Weighing Balance
11. Blender/Homogenizer
12. Vortex
13. Vibro-screen
14. Autoclavable bag
15. Large air tight container
16. Pouch sealing machine
17. Box strapping machine
18. Racks and cabinet

Laboratory Equipment/ Instrument Requirement

1. Autoclave
2. Water bath
3. Shaking incubator
4. Refrigerator
5. Thermo hygrometer
6. U. V. light
7. BOD Incubator
8. Hot Air oven
9. Laminar Flow
10. pH meter
11. Balance (2-3 decimal places)

12. Vacuum pump
13. Hot plate
14. Deep freezer
15. Spirit
16. Microscope and all accessories
17. Glassware viz. Conical Flasks, Test tubes, Beaker etc.
18. Petri dishes
19. Titanium inoculating needles
20. Pipette fillers
21. Pipettes (0.1 ml to 20 ml)
22. Haemocytometer
23. Colony counter

Note: These are the general requirements of minimum infrastructure to be created by the manufacturers. However, for specific microbial biopesticides formulation(s) and their quantum of production, requirement of manpower, space, equipment/ instrument may be needed.

Subcategory: 1.5: Guidelines for minimum infrastructure facilities to be created by the manufactures of pesticides and their formulations to meet the requirements for issue of license by respective state governments (Licensing Authority)

(Approved by the registration committee in its 261st RC meeting held on 15.02.2006)

These are the general requirements, However, for individual chemicals, specific requirements are to be installed and additional equipment are to be supplemented to suit the reactions involved in the manufacturing process. Further, other specifications as per the Insecticides Rules viz. medical facilities, protective clothing, respiratory devices, first aid measures, training towards safety precaution and handling safety equipment, safety disposal, etc. are required to be made.

1. The minimum infrastructure with respect to manpower shall be as under

S. No.	Manpower	For Technical plant	For formulation plant
1	Production Manager	R	R
2.	Supervisor	R	R
3.	Instrument and process control personnel	R	R*/NR
4.	Maintenance Personnel (Plant and utilities)	R	R
5.	Store Keeper (Raw material and finished products)	R	R
6.	Quality Control Chemist	R	R
7.	Security personnel	R	R

*** In case of automatic plant**

2. Minimum infrastructure with respect to machinery & equipment

A. For technical plant

S. No	Equipment	For Technical plant
1	Control console	R
2.	Feed tank for raw material	R
3.	Reactors	R
4.	Distillation towers	R
5.	Evaporators	R
6.	Condenser / heat exchanger / boiler/ extinguisher plant / chilling system / steam plant	R
7.	Crystallizer	R

8.	Centrifuge	R
9.	Drier	R
10.	Phase separator	R
11.	Extractor	R
12.	Storage tank	R
13.	Process water tank	R
14.	Pipelines with conventional colour code	R
15.	Gas plant	R

B. For Formulation plant

S. No.	Equipment	Solid, DP, WG, SP, etc	WG/G	Liquid (EC, EW, SL)
1.	Feeding channel / Chute	R	R	R
2.	Jaw Crusher	R	R	NR
3.	Raw material feed tank	R	R	R
4.	Pulveriser	R	R	NR
5.	Blender	R	R	R
6.	Siever	R	R	R
7.	Bag Filter	R	NR	NR
8.	Homogenizer	R	R	R
9.	Ball mill	R	NR	NR
10.	Weighing machine / platform balance	R	R	R
11.	Vessel with stirrer	R	R	R
12.	Drier	R	R	NR
13.	Cooling machine	NR	R	R
14.	Sprayer	NR	R	NR
15.	Water tank for liquid	NR	NR	R
16.	Filter	NR	NR	R

3. Equipment for quality control laboratory

1. Analytical weighing balance
2. Hot air oven

3. Refrigerator
4. pH meter
5. Spectro-photometer / colourimeter
6. GLC / HPLC depending on the products analytical process as in the specification.
7. Standard glassware, chemical and general requirements for laboratory
8. Pesticide Repository
9. Specification / BIS standard of the product to be manufactured / formulated
10. Sieve shaker.
11. Fume Hood
12. Distilled water still
13. Flash point apparatus
14. Melting point apparatus

4. Packaging plant and equipment

1. Packaging machinery.
2. Filling machine (automatic / semi-automatic).
3. Weighing machine
4. Bagging machine
5. Sealing machine
6. Labelling equipment.

Subcategory: 1.6: Guidelines for endorsement of additional manufacturing site

(Approved by the Registration Committee in its 325th RC meeting held on 04th January 2012)

1. The Committee decided that Toll Manufacturing and Additional Manufacturing Site are two different issues. The Committee recommends that as far Toll manufacturing is concerned, it should be regulated by the decision taken by the RC in its 296th meeting. However, endorsement of Additional manufacturing Site may be considered;
2. The Committee preliminarily recommends the following criteria/guidelines for accepting the requests for Additional Manufacturing Sites:-
 - (i) The site, proposed to be additional manufacturing site, should belong to the same registrant **(it is not allowed on anyone else's premises, whatsoever)**;
 - (ii) the registrant should have registration for manufacture of the same insecticide/product in the country where the additional site is located;
 - (iii) Letter of consent from already approved source and from new manufacturing site duly certified by the Designated National Authority (DNA), which shall be verifiable by the DNA of India;
 - (iv) Additional declaration from already approved source/principals as well as from new manufacturing site with respect to the formulation being made by using technical same raw material & process from the source which is already approved by the RC in India;
 - (v) all operations involved in the manufacturing of the insecticide for which the additional site is being considered should be fully operated by the same registrant and have the proof of manufacturing there by submitting an undertaking to this effect, duly certified by the DNA of that country;
 - (vi) the registrant shall be responsible for manufacturing the product having identical chemical composition and specifications as that of the original registered source of the product;
 - (vii) five batch analytical test report shall be submitted along with the application for the five batches manufactured at the source originally registered and the five batches manufactured at the proposed additional source;
 - (viii) samples of all the five-batch manufactured at the source originally registered and all the five batches manufactured at the proposed additional source shall be submitted along with the respective reference standards to the Secretariat of CIB & RC for testing at CIL for verification;
 - (ix) the samples and the reference standards should be valid at least for a period of six month from the date of delivery to the Secretariat of CIB & RC;

- (x) documents supporting the claim of the registrant about the additional manufacturing site, duly certified by the Designated National Authority (like, ICAMA for China), shall be submitted along with the application, which shall in turn be verified by the DNA of India before considering the endorsement;
- (xi) intimation about the import of every consignment, proposed to be imported from the additional manufacturing site, shall be given to the Sectt of CIB along with the name of the port of entry into India and expected date of arrival as soon as the consignment is dispatched from the additional manufacturing site for arranging the testing of sample(s), if so considered necessary;
- (xii) Justification for approval of additional manufacturing site; and
- (xiii) failure to meeting any of the above-mentioned criteria shall unconditionally empower the Registration Committee to reject application for such endorsement; or endorsement, if already granted.

Subcategory: 1.7: Guidelines for enhancement of shelf life of pesticides registered under section 9(4) of the Insecticide Act, 1968

(Approved by the registration committee in its 284th RC meeting held on 13.12.2007)

i. General Information

An applicant who is registered u/s 9(4) may apply in the prescribed Performa giving his/her name, addresses of office as well as manufacturing premises, the product, for which the shelf-life enhancement is applied and the registration status of the product along with the proof for each of them in the form of notarized copies of supporting documents.

ii. Proof of Shelf-Life Enhancement

The applicant while making an application may substantiate that the shelf life of the product has already been enhanced before his application giving the registration status of the registration in respect of which the shelf life has been enhanced.

iii. Chemical Equivalence

The applicant may submit chemical composition of his product and that of the product of the registrant who has already obtained shelf-life enhancement in a comparative form to prove that the two products are identical.

iv. Equivalence of Packaging

The applicant may submit a detail of primary packaging, approved in respect of his product and compare it with the primary packaging approved based on which the shelf life of the product of another registrant was enhanced before to prove that the primary packaging of the two is identical.

v. Verification

The applicant is required to verify (declare) that the information furnished by him is correct and if the same is found to be incorrect at any point of time, the enhancement shall be liable to be withdrawn.

**Application proforma for enhancement of shelf-life of pesticides,
registered under Section 9 (4) of the Insecticides Act, 1968**

1. Name and Address of the applicant :
2. Address(s) of Manufacturing Premises :
3. Name of the Product for which shelf life :
enhancement is applied for
4. Whether the product is registered u/s. 9(3) or 9(4) :
in respect of the applicant, if so enclose a notarized
copy of the Certificate of Registration
5. Name of the registrant who has got the shelf life :
enhanced, give particulars w.r.t Section [9(3) or
9(4) of Registration
6. Whether the Chemical Composition of the Product :
of the applicant and that of the Registrant, who got
enhancement earlier, is identical (give comparative
detailed chemical composition)
7. Whether the primary packaging of the product of :
the applicant and that of the Registrant, who got
the shelf life earlier is identical (give comparative
detailed Primary packaging)

Date :

Signature of the applicant with seal

Verification

I, _____, s/o _____ in my capacity as _____ do hereby solemnly verify that I am competent to make this application and that the information given in the application and the annexure(s) and statements, accompanying it, is correct and complete. I clearly understand that in the event of any information, or part thereof, being found incorrect, the enhancement shall be liable to be withdrawn without any notice.

Place :

Date :

Signature of the applicant with seal

**CATEGORY: 2. GUIDELINES FOR THE EXPORT AND IMPORT OF
PESTICIDES**

EXPORT AND IMPORT OF PESTICIDES

Report of the expert group constitutes by the Registration Committee in its 374th RC meeting under the chairmanship of Dr. Sandhya Kulshrestha, Consultant (Pharma) for review of export guidelines.

(Approved by the Registration Committee in its 380th RC meeting held on 16.11.2017).

General Remarks:

1. The registration for manufacture or imports of pesticides for export is required under the provisions of the Insecticides Act. The 'Certificate of Registration' is also a requirement by the companies/firms exporting pesticides because importing countries usually require this document to ensure that the pesticide proposed for import is legally permitted for manufacture/import in the country of export.
2. As per the provisions of the Act, the registration for manufacture or import of pesticides has to be granted after satisfying the efficacy of the product and its safety to human health and environment. However, considering the fact that the pesticide is exclusively for export, not going to be used in our country, no bio-efficacy information/data is asked from the applicant, but in order to ensure the identity of the product and prima facie its safety mainly w.r.t. the workers involved in various activities of manufacture including repacking, transport etc., minimum information on chemistry and on toxicity (only for those pesticides not registered for use in the country) is being asked so that the basic information about the pesticide to be manufactured/imported in our country for the purpose of export is available and prima facie its safety is assessed. Accordingly, precautions can be advised for safety of workers and environment. This is necessary for the Government in order to take precautions to avoid any disaster as happened in Bhopal and to act immediately in case of any untoward incidence happen.
3. Application for registration of pesticides for export usually fall under following categories:
Category (A) : The pesticides already registered for use in the country, their higher or lower purity / concentration, any other formulation
Category (B) : Pesticides not registered for use in the country.

Approximately 90% of applications are under category [A] for which only basic information from chemistry to know the identity of the pesticide to be manufactured/ imported for export is being asked for. No other data/information is being asked. Only for category [B] applications information on chemistry and toxicity to prima facie assess safety to workers is being asked.
4. Applications for registration of pesticides for export are processed on priority. However, to further facilitate the export and ensure that no exports should suffer for want of requirement of certificate of registration, besides 'Star Export House Applications', a new type, i.e. 'Fast Track Applications' is proposed. These are

the applications wherein applicants have ‘firm export order’. These applications will be processed on top priority with minimum information and certificate of registration will be issued in 5 working days to manufacture/import the quantity indicated in the export order. Thereafter, registrant can get the condition regarding ‘quantity restriction’ deleted on submission of requisite information as per the guidelines of export registration under relevant category of registration.

5. The following time frame for grant of registration has been suggested for the completion of export applications. (w.r.t all required parameters)

I Fast Track Applications : 05 working days

II Star Export House Applications

Category (A) : 07 working days

Category (B) : 10 working days

III All other applications for Export Only

Category (A) : RC to RC basis

Category (B) : 03 months

6. **No separate registration is required by the company for export, if the product is already registered in his favour for use in the country.** The company can also export the said product. In order to facilitate such registrants to comply with the export requirements, the following conditions may be incorporated in all certificates of registrations sought for domestic consumption and export.

“In case of the consignments of the product for export purpose, the primary packaging may be as per the requirement of the importing country.”

7. In view of Government, 'Make in India' initiative and to prevent the diversion of unregistered material (which has not been evaluated completely for its efficacy and safety) in domestic market, it is proposed that import of technical or formulation for export of the pesticides/products already registered for use in the country, be permitted only from the source registered for use in the country. Further, if import is from unregistered source, then it will be permitted only against 'Firm Export order' for quantity specified in the order. Further, 'Firm Export Order' should be accompanied by Certificate of registration in the country of import. In such cases, the quantity restriction will not be deleted (unlike 'fast Track Registration'), however, in case of receipt of repeat order, the additional quantity may be get endorsed after submitting the authentic documents from Government Authority regarding export of total quantity permitted earlier. Any other application for import from changed source of import/import from new source for export should comply with the data requirements under guidelines for registration for import from new source or formulation import for use in the country.

8. Thousands of Certificates of Registrations for export only have been issued till date. Further, exports can also be made against the registrations granted for manufacture/import for use in the country to several thousand registrants. As export registrations are being granted on highly relaxed guidelines, only prima-facie not completely ensuring safety, without ensuring efficacy or its quality, therefore, it is suggested that statistics regarding the licenses obtained for registrations issued exclusively for export and exports undertaken pesticide-wise, company-wise may be collected to decide future direction of the policy in this regard. It is important to analyse the use and misuse of pesticides in terms of quality, health, environment and economic security.

Guidance and Requirements for Applicants for Registration under Export only Category

General Guidelines

1. Types of Applications for Export

The export applications will be considered under following three types–(Based on priority and time frame for grant of registration)

- i. **Fast Track applications** with “FIRM EXPORT ORDER”. These are the applications wherein applicants have “firm export order”. These applications will be processed on top priority with minimum information and certificate of registration will be issued in 5 working days to manufacture / import the quantity indicated in the export order. Thereafter, registrant can get the condition regarding “quantity restriction” deleted on submission of requisite information as per the guidelines of export registration under general category.
- ii. **Star Export Houses Applications:** The accreditation of Star Export Houses shall be on the same basis as that of the Ministry of Commerce and the fee shall also be charged accordingly.
- iii. All other applications for export only.

2. Category of Applications

All above applications are categorized under following two categories.

- A. Applications for pesticides already registered for use in the country.
- B. Applications for pesticides not yet registered for use in the country.

These A and B categories are further classified into sub-categories based on whether application is for indigenous manufacture or import; for chemical pesticides or botanical pesticides or Microbial Pest Control Agents (MPCA) etc.

3. **Guidance for toxicity information:** For toxicity requirements, published information on the parameters shall be acceptable from any of the following sources:

- i) From the reviews undertaken by international organization/institutions like WHO, Joint bodies of FAO/WHO, International Registry for Potential Toxic Chemicals (IRPTC), International Agency on Research on Cancer (IARC), Pesticide Manual, Merck Index etc.
 - ii) Any evaluation / Fact Sheet by Registration authorities of USA or EU or Canada or Japan including Material Safety Data Sheet shall be accepted. Information from other reliable sources including TOXNET, EXTONET can be provided.
If published information is not available data are to be submitted.
4. **Information on Packaging:** For packaging, labelling an undertaking with respect to type of packaging and Label and Leaflet as per Insecticides Rules, 1971 are required to be submitted for all categories and types of registration.
5. **Bio-pesticides:** A condition in case of Biopesticides (Botanical and microbial) shall be incorporated in the certificates of registrations for export category: -
“The product being exported is in compliance of Biological Diversity Act, 2002.”
6. An Undertaking be obtained and condition on Certificate of Registration be incorporated w.r.t. compliance of provisions of PIC, CWC, WMD, and biological warfare
7. An undertaking shall be submitted by the applicant that the product manufactured / imported for export shall not be used in the country, if export could not be undertaken.

Subcategory: 2.1. Guidelines for the Registration under Indigenous Manufacture for export u/s 9(3) of the Insecticide Act, 1968.

I. For Fast Track Applications

- i. Firm Export Order from the importer.
- ii. The documents regarding the registration of product in the country of import.
- iii. Documents for registration in any developed country like EU, USA, Australia, Japan, and Canada etc with its Decision Guidance Document. [Required only for B II, B III & B IV categories]
- iv. Registration will be issued by Secretary CIB&RC for the production/import for the quantity of the export order, and subjected to ex post facto approval by the Registration Committee.**
- v. The applicant may then submit the requirements/ information as per the applicable category to get the condition deleted with reference to restriction on quantity.
- vi. If Technical has not been registered for use in the country either under TI or TIM category and further the applicant may be allowed to procure the Technical from company who has the CR for the manufacturing of technical for exclusively for export purpose under fast-track category (**Approved by the RC in its 425th RC meeting (Vide agenda item no. 10.6) held on 25.01.2021**)

II. Type II and III applications exclusively for export category

- 1. Category – A I:** Products registered for the use in the country by any registrant (including plant-based products, but not microbial pest control agents) for indigenous manufacture of technical with same and different impurity profile/formulations (including combination formulations) for indigenous manufacture made out of these technical and having same lower or higher concentrations, different adjuvants or new type of formulations.
 - i Data/ information on chemistry as per table 1 (parameter 1 & 2)
 - ii. An undertaking w.r.t. type of packaging & Label and leaflet as per Insecticides Rule, 1971.
- 2. Category – A III:** In case of Microbial Pest Control Agents if application is for export of already registered strain.
 - i. Information on chemistry as per table 2 (except 4, 5 and 6).
 - ii. An undertaking w.r.t. type of packaging & Label and leaflet as per I rule, 1971.
- 3. Category – B I:** The technical once registered exclusively for export (for indigenous manufacture or import), then subsequent registrants applying registrations for the same products (with different impurity profile their higher lower conc. or its formulations including combination formulations).
 - i. Information on chemistry on parameters 1, 2, 3, 4 and 6 in table 1.
 - ii. An undertaking w.r.t. type of packaging & Label and leaflet as per Insecticides Rule, 1971.

4. Category – B II: Indigenous manufacture/import of technical and its formulations for pesticides not registered for use in the country and is for sole purpose of export.

- i. Information on chemistry on parameters 1 to 6 for both technical and formulations.
- ii. Information for toxicity would be required on parameters 1 to 12 for technical and on 12 for formulation as per Table 3. In case of registration of formulation without registering technical, information on its technical is required on parameters 1 to 12 and on formulation on parameter 12.
- iii. An undertaking w.r.t. type of packaging & Label and leaflet as per I rule, 1971.

5. Category B III: Indigenous manufacture of Botanical (technical/formulation) Pesticides not registered for the use in the country.

- i. Information on Chemistry is required as per Table 2 (All parameters).
- ii. Information for toxicity would be required on parameters 1 to 6, 10 and 12 as per Table
- iii. An undertaking w.r.t. type of packaging & Label and leaflet as per I rule, 1971

6. Category B IV: If the Microbial Pest Control Agents (MPCA) or its strain is not registered for use in the country.

- iii. Information on Chemistry is required as per Table 2 (All parameters).
- iv. Information for toxicity would be required on parameters 1 to 6 and 12 as per Table 3.
- v. An undertaking w.r.t. type of packaging & Label and leaflet as per I rule, 1971.

Table 1: Data requirement from the Chemistry angle for the grant of registration of chemical / plant-based pesticides exclusively for export (Category AI, AII, BI and BII)

Sl. No	Parameter	Category		
		AI	BI	BII
1.*	Chemical composition OR Botanical/common name, Scientific name, common name, if any and place of origin in the country.	R	R	R
2.	Physico-chemical properties	R	R	R
3.*	Specification in BIS format along with undertaking for product quality OR Specification of the product along with undertaking that the product is naturally occurring and not genetically engineered.	NR	R	R
4.	Method of analysis	NR	R	R
5.	Outline of process of manufacture, raw materials used / process of extraction of active ingredient	NR	NR	R
6.	Source of import/supply	NR	R	R

* Whichever is applicable as per product

Table 2: Data requirement from the Chemistry angle for the grant of registration of Microbial Pest Control Agents (MPCA) or its strain not registered for domestic use in the country exclusively for export (Category BIII) and biopesticides for export, already registered strain (Category AIII) and indigenous manufacture of MPCA and its strain not registered for use in the country (Category BIV).

Sl. No.	Parameters	Category		
		AIII	BIII	BIV
1.	Botanical/common name, Scientific name, common name, if any, and place of origin in the country.	R	R	R
2.	Specify the microbial strain/plant part for the given biological activity and its location of existence in India.	R	NR	R
3.	Composition of the product with percentage of all ingredients/chemical composition and physicochemical properties	R	R	R
4.	Specification of the product along with undertaking that the product is naturally occurring and not genetically engineered.	NR	R	R
5.	Outline of process of manufacture, raw material used/process of extraction of active ingredient.	NR	R	R
6.	Method of analysis			
a.	Determination of active ingredient by appropriate method	NR	R	R
b.	Determination of toxin contents using the internationally recognized scientific methods & Standard Operating Procedures in accredited and recognized laboratories only for <i>Bacillus sphaericus</i> (B.s) & <i>Bacillus thuringiensis</i> / similar products.	NR	NR	R
c.	Determination of potency by bioassay Or Determination of Colony Forming Unit (CFU), Polyhedral Occlusion Bodies (POB) counts by appropriate method	NR NR	NR NR	R R
7.	Specification in BIS format* along with undertaking for the product quality	NR	R	R

* If no information on certain minor parameters is available the applicant should indicate so.

Table 3: Data requirement from the Toxicology angle for the grant of registration of pesticide exclusively for export.

Sl. No.	Parameter	CATEGORY		
		Chemical and Plant based pesticides		MPCA
		B II	B III	B IV
1.	Acute Oral rat	R	R	R*
2.	Acute dermal	R	R	R*
3.	Acute inhalation	R	R	R*
4.	Primary skin irritation	R	R	R
5.	Irritation to mucous membrane	R	R	R
6.	Allergy / Sensitization	R	R	R
7.	Effect on reproduction	R	NR	NR
8.	Developmental Toxicity	R	NR	NR
9.	Carcinogenicity	R	NR	NR
10.	Mutagenicity	R	R (Ames test)	NR
11.	Neurotoxicity	R	NR	NR
12.	Sign & Symptoms of poisoning/First Aid, treatment & other precautionary measures	R	R	R

* Single Exposure Studies.

Sub category: 2.2 Guidelines for the registration of pesticides under import for export u/s. 9(3)

I. For Fast Track Applications

- i. Firm Export Order from the importer.
- ii. The documents regarding the registration of product in the country of import.
- iii. Registration will be issued by Secretary CIB&RC for the production/import for the quantity of the export order, and subjected to ex post facto approval by the Registration Committee.**
- iv. The applicant may then submit the requirements/ information as per the applicable category to get the condition deleted with reference to restriction on quantity.
- v. Addition of details of product to be imported and exported and chemical composition of technical as well as formulation in certificate of registration for export certificates of import for export in Fast Track Export category u/s 9(3) export.

RC deliberated the agenda and approved the addition of following details in the Certificate of Registration and Label and Leaflet for export certificates of Import for Export in Fast Track Export category u/s 9(3) export:

1. Name and quantity of product to be imported
2. Name and quantity of product to be exported
3. Chemical composition of technical to be imported and chemical composition of formulation to be exported **(Approved by the RC in its 468th RC meeting (Vide agenda item no. 10.36) held on 12.01.2026).**

Specific requirements for different types of applications under import for export categories

Category – A II

Technical import or formulation import exclusively for export from already registered source of import for use in the country’.

- i. Information on chemistry is required on parameters 1, 2 and 6 on table
- ii. An undertaking w.r.t. type of packaging & Label and leaflets as per Insecticides Rules, 1971.
- iii. The Committee further decided that the applicants of import for export category except Star Export category should submit the details about the Import and Exports thereof against the Certificate of Registration issued during last three years under the Import for Export category from already registered sources for the pesticides registered for use in country along with relevant authentic custom documents and/or physical verification of manufacturing/ importing sites & material imported be undertaken by a team deputed by APPA & Secretary (CIB&RC). The Certificate of Registration (CR) under this category shall be issued only after verification of documents/sites as applicable. **(Minutes of 357th Meeting of RC held on 10th August, 2015 as per Agenda Item 4.1)**
- iv The Committee further decided that the applicants of import for export category shall be subjected to the decision taken by the Committee in its 357th meeting. **(Minutes of 359th Meeting of RC held on 02.11.2015, as per Agenda Item 4.1)**

Table 1: Data requirement from the Chemistry angle for the grant of registration of chemical/plant-based pesticides exclusively for export (Category All).

Sl. No	Parameter	Category
		AII
1.*	Chemical composition OR Botanical/common name, Scientific name, common name, if any and place of origin in the country.	R
2.	Physico-chemical properties	R
3.*	Specification in BIS format along with undertaking for product quality OR Specification of the product along with undertaking that the product is naturally occurring and not genetically engineered	NR
4.	Method of analysis	NR
5.	Outline of process of manufacture, raw materials used / process of extraction of active ingredient	NR
6.	Source of import/supply	R

Subcategory 2.3: Guidelines for The Import of Sample Quantity of Pesticides for Research, Trial and Test (RTT) Purposes

(Approved by the RC in its 380th RC meeting (Vide agenda item no. 3.3, 9.8 and Annexure I) held on dated 16/11/2017 and 20.11.2017)

1. Permission for import of sample quantity of pesticides may be given by the Secretary CIB&RC for all cases except the following
 - a. Pesticides falling under Red Colour toxicity triangle i.e. extremely toxic category (LD₅₀ value less than 50 mg/kg body weight)
 - b. Coded compounds which are not registered in any country and do not figure in pesticide manual
2. Permission issued by the Secretary CIB&RC should be brought to the RC for ex-post facto approval
3. Document requirements for seeking RTT import permit
 - i. Complete FORM – C (Copy attached)
 - ii. Technical bulletin from inventor / manufacturer
 - iii. Information on chemistry, toxicity, bio-efficacy, along with authentic reference copy (e.g Pesticide manual)
 - iv. Justification for quantity
 - v. Authenticated copy of the registration certificate for manufacture of particular molecule / pesticide in that country with validity if any, issued from the Registration Authority or valid manufacturing license / permission to manufacture from the Government Department
 - vi. Authorization from manufacture to the applicant to supply the product
 - vii. Authorization for supplier in case of sample quantity is not supplied by the manufacturer
 - viii. For Coded and non-registered pesticides authentic document from the Inventor
 - ix. For import of RTT sample of Technical for the purpose of registration in India, the applicant shall submit an affidavit regarding status of registration of that product in their name under indigenous manufacturing category.

FORM NO. – C**Application for permission to import small quantity of insecticide/chemicals for the purpose of examination, analysis, tests and trials etc.**

1. Name of importer with full address :
2. Name of overseas manufacturer and supplier :
3. Name of the chemical :
 - i. Code number :
 - ii. Common accepted name :
 - iii. Chemical name :
 - (iv) Whether included in the schedule to the Insecticides Act 1968 :
4. (a) Toxicity (LD-50 value) (Laboratory animals) :
 - i. Acute Oral :
 - ii. Acute Dermal :
 (b) Whether manufacture, sale, distribution or use is prohibited in the country of its manufacture or any restrictions have been imported thereon. If so, please give full details :
5. Main active group to which the chemical belongs :
6. Specific purpose for which the chemical is required :
7. Crops/pests against which this is proposed to be tested :
8. (a) Name of institutions it is to be tested in the country :
 (b) Name and Designation of the person under whose supervision tests etc. are to be conducted :
9. Quantity asked for and likely area to covered :
10. Type of packing :
11. Port of Landing/entry :
12. Whether being imported as free sample and if so, its nominal value :
13. Whether any examination, analysis or tests or trials are already being carried on in the country and if so please give details. :

Name of the applicant

Signature of the applicant

VERIFICATION

I, _____, S/o or D/o _____, resident of _____, do hereby verify in my capacity as _____, that the particulars given above are true and that I am competent to sign and verify the above application.

Place :**Date :****Name :****Signature:**

Sub category: 2.4. Guidelines for the Export of Small Quantity of Pesticides Samples for Research,

Trial and Test (RTT) Purposes

(Approved by the RC in its 455th RC meeting (Vide agenda item no. 10.53 A held on dated 05/12/2023; Public notice issued by the Secretariat of CIB&RC through File No. 26 26-10/2024-CIR-I(E-144492) dated 21.05.2024)

FORM C

APPLICATION FOR PERMISSION TO EXPORT SMALL QUANTITY OF INSECTICIDES FOR THE PURPOSE OF RESEARCH, TRIAL AND TEST PURPOSES

1. Name of the exporter with full address :
2. Name of the importing country :
3. Name and address of overseas importer(s) :
4. Name of the Insecticides (Active ingredient, formulation, etc.,) to be exported :
5. Name of the chemical :
 - i. Code number or common accepted name if available :
 - ii. Chemical name or chemical class :
 - iii. Whether included in the Schedule to the Insecticide Act, 1968 :
6. Specific purpose for which the chemical is required to be exported :
7. Quantity to be exported :
8. Type of packing :
9. Name and address of the manufacturer and manufacturing site in India :

Place :

Signature of the applicant

Date :

Name of the applicant

**CATEGORY: 3. GUIDELINES FOR THE GRANT OF REGISTRATION
OF CHEMICAL PESTICIDES UNDER VARIOUS CATEGORIES
FOR AGRICULTURAL PURPOSES**

Registration of Insecticides / Pesticides under Section 9(3B), 9(3) and 9(4) of the
Insecticides Act, 1968 and the Rules 1971.

Sub category: 3.1. Division wise data requirements for the registration of pesticides under Section 9(3B), 9(3) and 9(4) of the Insecticides Act, 1968 and the Rules 1971.

1. Legal division requirements

- i. Form – I duly signed/digitally signed
- ii. Copy of BOD Resolution/Affidavit/Partnership deed (**Notarized**)
- iii. Affidavit for Chemical composition on NJSP (**Notarized**)
- iv. Certificate as per category of Industry/ Manufacturing license (**Notarized**)
- v. PAN No. (**Notarized**)
- vi. Incorporation Certificate (**Notarized**) and other documents as per KYC requirement
- vii. Proof of ownership/lease agreement or other legal agreement of manufacturing site purported to be used as manufacturing site (**Notarized**)
- viii. Technical to be used in formulation should be duly registered in India or the registration application of the Technical should be submitted in parallel to formulation registration application with necessary references (In case of import - Reference of RC meeting in which it was approved). {Only deemed registration status without issuance of Certificate of Registration shall not be considered}.
- ix. Name of registrant of Formulation Import (Reference of Registration Committee Meeting in which formulation import was approved).
- x. Other mandatory documents for registration u/s. 9(4) FIM/FI/TI category (Approved by the Registration Committee in its 354th RC meeting vide agenda item no. 3.4 held on 31.03.2025)
 - ✓ Notarized and valid manufacturing license
 - ✓ Consent letter duly authorized by the source of import and authenticated by the Consulate General of India (Indian embassy) shall be required for the followings: (a) Applications for registration of technical import of pesticides and (b) Applications for import of pesticide formulations
 - ✓ List of products for which the registration has been given to the firm & Manufacturing License obtained and products actually manufactured during the previous 3 (three) years.
 - ✓ Geotagging along with photographs in case of 9(4) TI/FI applications: Geotagging details and duly legalized / apostilled by the competent authority of the respective country may be considered as a proof along with a location map indicating the place where the manufacturing activities are carried out in that country. (Approved by the Registration Committee in its 470th RC meeting vide agenda item no. 8.2 held on 23.03.2026)

Note: The RC has decided to implement the KYC as per decision taken in its 424th meeting. As per requirement the module has been brought to working condition. The applicant are supposed to feed their documents as per requirement.

If, the “KYC” is activated, then the applicant needs not to submit the following documents repeatedly:

1. Copy of BOD Resolution/Affidavit/Partnership deed (**Notarized**)
2. Certificate as per category of Industry/ Manufacturing license (**Notarized**)
3. PAN No. (**Notarized**)
4. Incorporation Certificate (**Notarized**) and other documents as per KYC requirement
5. Proof of ownership/lease agreement of manufacturing site purported to be used as manufacturing site(**Notarized**)
6. List of products for which the registration has been given to the firm and Manufacturing License obtained and products actually manufactured during the previous 3 (three) years.

2. Chemistry - Data requirement from for the registration of pesticides in various categories

Sl. No.	Parameter	9(3B)			9(3)				9(4)			
		TI	TIM	FIM	TI	TIM	FI	FIM	TI	TIM	FI	FIM
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Details of source of supply of Technical	R	NR	R	R	NR	R	R	R	NR	R	R
2.	Chemical Composition (clearly showing claims of purity of active ingredient, impurities or adjuvants, as the case may be) in Form-I and L/L	R	R	R	R	R	R	R	R	R	R	R
3.	Physical and Chemical Properties of the active ingredient in Technical and adjuvant in case of a formulation	R	R	R	R	R	R	R	NR	R	NR	NR
4.	Technical Bulletin	R	NR	NR	R	NR	R	NR	NR	NR	NR	NR
5.	Product Specification in BIS format/BIS No. if published	R	R	R	R	R	R	R	NR	R*	NR	NR
6.	Method of Analysis	R	R	R	R	R	R	R	NR	R*	NR	NR
7.	Analytical Test Report (ATR) from GLP/NABL accredited laboratory	R	R	R	R	R	R	R	NR	R	NR	NR
8.	Characterization (Identity Test) of active ingredient by UV-VIS, IR, MS and NMR spectra)	R	R	NR	R	R	NR	NR	NR	R	NR	NR
9.	Identification& Quantification of Impurities	R	R	NR	R	R	NR	NR	NR	R	NR	NR
10.	Shelf-life claim	R	R	R	R	R	R	R	R	R	R	R
11.	Storage Stability Data (samples stored in three varied agro-climatic conditions) for six months in excess of claimed shelf-life along with meteorological data for corresponding period	R	R	R	R	R	R	R	NR	NR	NR	NR
12.	Establishment of Chemical Equivalence	NR	NR	NR	NR	R*/NR*	R*/NR	R*/NR*	R	R	R	R

13.	Detailed stepwise manufacturing process (provide chemical reactions explained with structural formulae, all applicable reaction other conditions in case of technical grade insecticides including flow sheet diagram).	R	R	R	R	R	R	R	NR	R	NR	NR
14.	Information about Raw Materials Used along with their source of supply	R	R	R	R	R	R	R	NR	R	NR	NR
15.	Effluent Treatment method with complete details	R	R	R	R	R	R	R	NR	R	NR	NR
16.	Legalized letter of consent that the manufacturer is registered the Technical Grade Pesticide/Insecticide/Formulation and that the consents supplying the Technical Grade Pesticide/Insecticide/Formulation to the applicant.	R	NR	R	R	NR	R	R	R	NR	R	NR
17.	Registration Certificate from Designated National Authority (DNA) of the pesticides from source country.	R	NR	NR	R	NR	R	NR	R	NR	R	NR
18.	In case the supplies are to be made through a supplier, a duly legalized certificate from the exporting manufacturer that the supplier is his authorized agent and that the invoice would originate from the approved source of import (actual manufacturer). Or Principal company or Subsidiary of registrant of pesticide in India or the supplier authorized by manufacturer and mention the full details of the source of import in the invoice	R	NR	NR	R	NR	R	NR	R	NR	R	NR
19.	An In-Process sample to be drawn from the & D/manufacturing facility of applicant in case of technical indigenous manufacture of the insecticide/sample to be submitted in case of technical	R	R	R	R	R	R	R	NR	R	NR	NR

	import ⁵ ; along with certified reference material (CRM) and standard impurities along with purity certificate in case of technical grade insecticides for pre-registration verification in the Central Insecticides Laboratory, Faridabad (CIL). In case of FIM and FI category sample and CRM to be submitted in CIL Faridabad.											
20.	Methodology for residue estimation in BIS format.	R	R	R	R	R	R	R	NR	NR	NR	NR

Remarks on chemistry parameters:

1. S. No. (6) & (7) R* wherever If BIS published; than not required, if not, published Registered product specification is required.
2. S. No. 12. Not required (NR)- For first Registration, Required (R)- for subsequent registration after the first registration.
3. Adjuvant(s) shall be mentioned by their common names(s) and not by code names or numbers and their complete chemical identity shall be provided.
4. Sample shall be drawn in case of 9(3) TIM and 9(4) TIM as per approved procedure in 442nd RC or as and when amended by RC. In case of 9(3) TI5 batch GLP analysis report to be submitted.
5. In case of the insecticides for Seed Treatment, 'Adhesion to Seed Test' shall be invariably provided.
6. Same method of analysis should be used in generating ATR and shelf-life data.
7. Accelerated Storage Data can be considered for grant of provisional shelf-life. However, in such cases the Certificate of Registration (CR) shall be issued with a validity of two years. Shelf-life claim of up to 2-years or as the case may be (provisionally) be granted to the insecticides with a condition that applicant is required to submit real time / actual storage stability study data in the proposed construct and container of sale for duration of minimum 30 months, within two and half years of submission of application for granting the registration, failing which Registration Certificate shall stand invalid.
8. In reference to the sample drawn / submitted for pre-registration verification, another chance may be given to the willing applicant for re-analysis of the product. Further it was decided that a team of officers be constituted by APPA & Secretary (CIB&RC) from the officers of Secretariat of CIB&RC to draw the in-process sample, in case of indigenously manufacture of Technical/Formulation as per procedure and/or submission of a fresh sample to the Secretariat of CIB&RC, in case of import of Technical/Formulation (Approved by the RC in its 460th RC meeting vide agenda item no. 9.7)
9. 442nd RC minutes modality for the sample drawing for five batch analysis
10. Standard Operating Procedure (SOP) for pre-registration verification and sample drawl through crop portal enclosed as Annexure I. 11. In case of 9(3b) TI, 9(3) TI/FI & 9(4) TI/FI category, a condition in CR to be incorporated as an analytical test report by the manufacturer (exporting to India) about the quality of the insecticide/Pesticide from a NABL or ISO 17025:2017 compliance /GLP certified laboratory (Such analytical test report in respect of the batch(s) shall accompany each & every consignment exported to India)
12. In case of formulation of pre-mix combination product having three active ingredients, preferably a single method of analysis must be used, otherwise applicant should be submitted technical justification for using more than one method of analysis.

3. Bio-efficacy - Data requirement for the registration of pesticides under various categories

Sr. No.	Parameters	9(3b)			9(3)					9(4)
		TI	TIM	FIM	TI	TIM	FI	FIM	Label expansion	TI/TIM/FI/FIM or endorsement of already approved label expansion.
1.	Bio-effectiveness	R ^{\$}	R ^{\$}	R [*]	R ^{\$}	R ^{\$}	R ^{**}	R ^{**}	R ^{**}	No data requirement. The claim will be granted as per approved formulation u/s 9(3)/ approval claims of label expansion.
2.	Phytotoxicity	R ^{\$}	R ^{\$}	R [*]	R ^{\$}	R ^{\$}	R ^{**}	R ^{**}	R ^{**}	
3.	Effect on germination of Seed (in case of seed treatment of fungicide and insecticide)	R ^{\$}	R ^{\$}	R [*]	R ^{\$}	R ^{\$}	R ^{**}	R ^{**}	R ^{**}	
4.	Effect on natural enemies (parasitoids and/or predators) (Insecticides)	NR	NR	R [*]	NR	NR	R ^{**}	R ^{**}	R ^{**}	
5.	Effect on beneficial soil micro-organisms & physico-chemical properties (Herbicide only). Effect on beneficial soil micro-organisms in case of Seed treatment and on soil applied pesticides (Fungicides, Insecticide and PGRs).	NR	NR	R [*]	NR	NR	R ^{**}	R ^{**}	R ^{**}	
6.	Translocation in Plants	R	R	NR	R	R	NR	NR	NR	
7.	Metabolism in Soil	R	R	NR	R	R	NR	NR	NR	
8.	Metabolism in Water	R	R	NR	R	R	NR	NR	NR	
9.	Metabolism in Plant	R	R	NR	R	R	NR	NR	NR	
10.	Persistence in Soil	R	R	R	R	R	R	R	NR	
11.	Persistence in Water	R	R	R	R	R	R	R	NR	
12.	Persistence in Plant	NR	R	R	NR	R	R	R	R	
13.	Compatibility with other chemicals, if claimed	NR	NR	R	NR	NR	R	R	R	
14.	Residues in Plant	NR	NR	R [#]	NR	NR	R [#]	R [#]	R	
15.	Residues in Soil	NR	NR	R [#]	NR	NR	R [#]	R [#]	NR	

Sr. No.	Parameters	9(3b)			9(3)					9(4)
		TI	TIM	FIM	TI	TIM	FI	FIM	Label expansion	TI/TIM/FI/FIM or endorsement of already approved label expansion.
16.	Residue tolerance limits fixed by foreign countries	NR	NR	R	NR	NR	R	R	R	
17.	Cost Benefit Ratio or Per Rupee return (per ha)	NR	NR	NR	NR	NR	R	R	R	
18.	Registration status in foreign countries	NR	NR	R	R	NR	R	R	R	
19.	MRL Performa to submitted in the CROP portal at the time for submission of application.	NR	NR	R	NR	NR	R	R	R	
20.	Label and Leaflets (as per Insecticides Rule 18 and 19)	R	R	R	R	R	R	R	R	

Remarks on Bio-efficacy parameters:

- a. **At S. No. 5-** Applicant may submit position paper and published data related to toxicological effects on beneficial insects in case FI/FIM.
- b. **R*:** Two seasons/years data generated at minimum two different agro-climatic conditions.
- c. **R**:** Two seasons/years data generated at minimum three different agro-climatic conditions
- d. **R[#]:** One season/year data generated at minimum four different agro-climatic conditions for fungicides, insecticides and PGRs. **Whereas, in case of herbicides, two seasons/” two” year data generated at minimum two agro-climatic zones in case of 9(3b) and two seasons/two-year data generated at minimum three agro-climatic conditions in case of 9(3).** In case of seed treatment one season / year data generated at minimum three different agro-climatic conditions will be required. In case of soil applied Pesticides (Insecticide/ Fungicide/ Herbicide), if residue at harvest is above LOQ then 2nd season data will be required or else one season data will suffice.
- e. For commercial non-edible crops (like jute, jatropha, rubber, etc) only, the data on residue and persistent on plant is not required.
- f. **R^{\$}:** If Technical Import & Technical Indigenous Manufacture application which are submitted together with Formulation Import & Formulation Indigenous Manufacture applications, no bio-efficacy data required.

Note: In case of herbicides data on effect on soil Physico- chemical and biological properties and effect on normally cultivated three succeeding crops is required along with residue studies in the same plots of the field.

Example: for a herbicide intended to be registered for use in wheat crop data on effect on succeeding crops of maize at location one, green gram at location two and sesame at location three may be generated along with residue studies. However, this is only an example and data on any other normally cultivated succeeding crop may be generated.

1. For registration of Combination products of two / three registered pesticides (All sort of combination should be addressed in this):data is required as per the guidelines of Formulation Import / Formulation Indigenous Manufacture. However, data on Sr. No. 1, 2 (if any individual component is not registered as formulations, the two seasons comparable data are required to be generated against target insects/ diseases/ weeds using stable / viable formulations. Already registered formulations of individual component of the formulation at approved dosage shall also be included as check), 4, (required only for insecticides {Natural enemy data not applicable for PGRs})10, 11, 12, 13, 14, 15,16,17, 18 & 19 (Table – 1) if the a.i. content of either component of the combination product is higher than the already registered same formulations combinations, the applicant is required to submit the data.

Note: S. No. 14 & 15: Data on residue required for as many seasons and locations as required in case of existing FIM u/s 9(3) guidelines. In case of herbicides data on effect on succeeding crops and soil physico-chemical and biological properties are also required along with residue studies as detailed in existing FIM under section 9(3) bio-efficacy guidelines for herbicides.

S. No. 10,11,12,14 & 15: These data shall only be required when the concentration / a.i. dose are higher than already registered and/or in case new compound is formed (Waiver on residue/persistence studies can be accepted vide 313rd RC Meeting Decisions) and/or any adjuvants/diluents (other than water)/carrier is different that are in the registered formulations of the individual components. Data on 12, 14, & 15 are also required for the additional crop label claims to common of the individual registered.

2. **For use of Surfactant with registered pesticide Formulations**, data on two seasons Sr. No. 1 & 2 (Table – 1) from minimum three different agro-climatic zones are to be generated with surfactant (tank mix) and without surfactant. The data on Sr. No. 10, 11, 12, 14 & 15 (Table – 1) are to be generated with surfactant as per the requirement of the general guidelines u/s 9(3) of the Insecticides Act, 1968.

3. For registration of twin pack of two registered Herbicides and Surfactant, data on Sr. No. 1, 2 & 13 (Table – 1) if proposed to mix, Sr. No. 10, 11 & 12, 14, 15, 18 & 19 (Table – 1) is required.

Note: Two season data on Sr. No. 1 & 2 (Table – 1) are to be generated on combination of the two herbicides with & without surfactant and individual herbicide from minimum three different agro climatic conditions. The bio-efficacy data on other parameters are to be generated on the combination of the two herbicides with surfactant as per the requirement of general guidelines u/s 9(3) of the Insecticide Act, 1968.

4. MRL fixation may be required for seed treatment products on those crops (such as leafy vegetables, etc.) which are being consumed within one month of sowing.

Note: For Fungicides the efficacy trials should be conducted in areas where the claimed crop is the main crop of that particular area and the area should be hot spot of the claimed disease i.e disease pressure should be in the range of 15-20% (on disease basis) during the trial period and the fungicide should show minimum 60-70% control. This must be certified by the SAU/ICAR institute where the study has been done. In case of insecticide reduction over control should not be less than 70% and in case of herbicides Weed Control Efficiency (WCE) of individual weed species should be minimum 70%, which is duly authenticated by ICAR/SAUs.

4. Toxicity-Data requirement for the registration of pesticides under various categories

Sl. No.	Parameters	Technical		Formulation		Technical/ Formulation	
		9(3b)	9(3)	9(3b)	9(3)	9(4)	9(4)
		TI/TIM	TI/TIM	FIM	FIM/FI	TIM	TI/FIM/FI
1.	Acute oral Rat	R	R	R	R	NR	NR
2.	Acute Dermal- Rat / Rabbit	R	R	R	R	NR	NR
3.	Acute inhalation-Rat	R	R	R	R	NR	NR
4.	Primary Skin Irritation- Rabbit	R	R	R	R	NR	NR
5.	Acute Eye Irritation- Rabbit	R	R	R	R	NR	NR
6.	Skin Sensitization Test	R	R	R	R	NR	NR
7.	Repeated dose range finding oral toxicity study (28 days)*-Rat	R	R	NR	NR	NR	NR
8.	Repeated dose 90 days oral (Rat)	R	R	NR	NR	NR	NR
9.	Repeated dose 90 days oral toxicity-Dog***	R	R	NR	NR	NR	NR
10.	Repeated dose dermal toxicity-Rat/Rabbit	R	R	NR	NR	NR	NR
11.	Repeated dose inhalation toxicity*#- Rat	R	R	NR	NR	NR	NR
12.	Acute Neuro-toxicity- Rodent*	R	R	NR	NR	NR	NR
13.	Repeated dose Neurotoxicity- Rodent*	R	R	NR	NR	NR	NR
14.	Delayed Neurotoxicity- OP compound- Acute exposure- Laying Hen	R	R	NR	NR	NR	NR
15.	Delayed neurotoxicity- OP compound- Repeated Administration- Laying Hen	R	R	NR	NR	NR	NR
16.	Developmental Neurotoxicity*- Rodent	R	R	NR	NR	NR	NR
17.	Combined carcinogenicity & chronic toxicity-Rat	R	R	NR	NR	NR	NR
18.	Carcinogenicity-Mice	R	R	NR	NR	NR	NR
19.	Developmental toxicity study- a) Rat & b) Rabbit	NR	R	NR	NR	NR	NR

20.	Two generation reproduction toxicity in Rat*	NR	R	NR	NR	NR	NR
21.	Mutagenicity **	NR	R	NR	NR	R	NR
22.	Pharmacokinetics and Metabolism in Rat.	R	R	R NR	R NR	NR	NR
23.	Feeding study including Metabolism in Livestock (Goat, Cow) / Poultry (Hen)	R	R	NR	NR	NR	NR
24.	Pharmacokinetics and Metabolism in other mammals and its similarities or differences from humans.	NR	NR	NR	NR	NR	NR
25.	Immuno-toxicity study*	R	R	NR	NR	NR	NR
26.	Acute Avian toxicity *	R	R	R	R	NR	NR
27.	Repeated dose Avian toxicity (One species)	R	R	NR	NR	NR	NR
28.	Avian Reproduction toxicity (One species)	R	R	NR	NR	NR	NR
29.	Acute toxicity to Fresh Water Fish (One species)	R	R	R	R	NR	NR
30.	Acute Toxicity- Honey Bee (Oral & Contact)	R	R	R	R	NR	NR
31.	Acute Toxicity- Earthworm	R	R	R	R	NR	NR
32.	Medical data	R	R	R	R	R	NR
33.	Human toxicity information from foreign countries	NR	R	NR	R	NR	NR
34.	Health records of Industrial workers	NR	R	NR	R	NR	NR
35.	International report on Carcinogenicity & Genotoxicity	NR	R	NR	NR	NR	NR

* Refer to 'toxicity data requirements for chemical pesticides' of 'guidance document on toxicology for registration of chemical pesticides in India.

** In Mutagenicity test; an Ames test, any two *in-vitro* and one *in-vivo* Mutagenicity tests are required.

Repeated Dose Inhalation Toxicity Study for 90 days' exposure would be required if there is likelihood of significant repeated inhalation exposure as in case of gas, vapors, aerosols, fumigants or likely duration of human exposure via inhalation is long viz. Mosquito coils; sprays used repeatedly.

Footnote:

1. Health records of industry workers shall be submitted in accordance with the provisions of the Insecticides Rules, 1971, as specified in Form-12.
2. Foreign country toxicity records and International carcinogenic reports shall be submitted to provide robust and relevant information sourced from credible public and research domains.
3. Based on the toxicological profile, mode of action, and potential risks associated with the active ingredient, its metabolites, relevant impurities, adjuvants, or other formulation components, the regulatory authority may recommend submission of additional toxicological, Ecotoxicological, or mechanistic data to facilitate a comprehensive and science-based risk assessment.
4. Pharmacokinetics and Metabolism in other mammals and its similarities or differences from humans are required in case of new molecule on case-to-case basis.

1. Technical (TI and TIM) u/s 9(3b), 9(3) and 9(4):-

- In case of Technical (both TI and TIM), name and Percentage of relevant and toxic impurities and/or metabolites should be indicated. Also data/information from peer reviewed journals or fact sheet should be provided about their toxicity.
- **Toxicity study No. 9-** ***Repeated dose 90 days oral toxicity study (Dog): Studies, as per the guidelines, will be required for new molecules. However, peer reviewed internationally published data/ literature is also acceptable for such studies for applications of other categories.
- **Toxicity study no. 17,18**
 - i. The Combined Carcinogenicity and Chronic Toxicity study in Rat and
 - ii. Separately carcinogenicity study in mice is required.
- **Toxicity study no. 23-**Feeding and metabolism study can be done together.

Some metabolites can be more harmful than parent compound even in very small quantity due to bio- activation so it can be conditional requirement, depending on case to case basis.

A. TI u/s 9(3):-

- a. In case of Technical Import (NEW MOLECULE), data from Sl. No. 1 to 35 are required.
- b. In case of Technical Import (NEW SOURCE), data from Sl. No. 1 to 11; 21; 26; 27; 29-34 are required. (in alignment with the 470th RC decision)
- c. In case of Technical Import (NEW SOURCE), the name and percentage of relevant and toxic impurities and/or metabolites must be identical or lower compared to the registered source. Any deviation will require submission of supporting data. Additionally, toxicity information should be provided for adjuvants, impurities, or metabolites if identified as known toxicants.

B. TIM u/s 9(3):-

- a. In case of Technical Indigenous Manufacture (New molecule), data from Sl. No. 1 to 35 are required.
- b. In case same technical is registered for import (**TIM Vs TI**) or formulation made from the same technical is registered for import or indigenous manufacture (**TIM vs FI WRT/ TIM vs FIM WRT**):
 - I. If impurities are identified, quantified and impurities are within limits (i.e. within maximum of already registered technical), then data on parameters 1-6, 21 and 32 are required. Additionally, health records of industrial workers are to be submitted if manufacturing unit is already existing. (359th RC decision)
 - II. In case impurities which are not toxic and not relevant and are not within maximum limits of registered technical however are within +3%) and no new impurity is there, then same data as above (Parameters 1 to 6, 21 and 32) are required. Additionally, health records of industrial workers are to be submitted if manufacturing unit is already existing. (359th RC decision)
 - III. If impurities are identified, quantified and are not within limits of registered technical or if impurities are not within +3%) and/or any additional impurity is present then in addition to the tests as indicated in (4) above, additional tests based on the nature and quantity of impurity and QSAR alert will be taken on case-to-case basis.

c. Technical indigenous manufacture u/s 9(3) in case same technical is registered for import or formulation made from the same technical is registered for import by the same applicant with same composition, process of manufacture etc., (TIM vs FI Original Registrant), then data on Ames Test only is required. (389th RC decision)

C. TI u/s 9(4):-

- In case of technical import u/s 9(4), no studies are required.

D. TIM u/s 9(4):-

- In case of Technical Indigenous Manufacture u/s 9(4), data on Sl. No. 21 data only AMES test is required. In case found to be mutagenic then additional data on one *in vivo* and two *in vitro* are required.
- The Ames Test shall be generated using the technical grade active ingredient (TGAI) from the manufacturing source under consideration for registration.

2. Formulation (FI and FIM) u/s 9(3b) and 9(3) :-

- ✓ In case of formulation, name and properties of adjuvant, along with data/information should be provided about their toxicity and possible interaction with active ingredient (AI). Also, data/information from peer reviewed journals or fact sheet should be provided about their toxicity.
- ✓ Additional toxicological studies may be required in either of the following circumstances:
 - (i) Where the formulation exhibits greater toxicity than the corresponding technical grade active ingredient, additional studies on sub-acute oral, sub-acute dermal, sub-acute inhalation, neurotoxicity, and developmental toxicity shall be submitted on the formulation.
 - (ii) For applications under Section 9(3) and Section 9(3B) pertaining to FI/FIM products containing more than one active ingredient, studies to evaluate potential synergistic, potentiating, additive, or antagonistic effects among the active ingredients may be required, as deemed necessary.

A. FIM u/s 9(3):-

- a. In case of Formulation Indigenous Manufacture, data from Sl. No. 1 to 6, 26, 29-35 are required.

b. In case same formulation is registered for import (FIM vs FIT)

i. For indigenous manufacture of a pesticide formulation identical in composition to an already registered imported formulation under Section 9(3): No data required, provided the technical is duly registered and label claims remain unchanged.

ii. For indigenous manufacture of a pesticide formulation with a different composition than an already registered imported formulation under Section 9(3): Full data must be submitted as per existing FIM guidelines under Section 9(3), provided the technical is duly registered.

c. Herbicides in twin pack with no other herbicide or with surfactant: MSDS and Acute toxicity information on surfactant should be submitted along with data on herbicide formulation.

B. FI u/s 9(3):-

a. In case of Formulation Indigenous Manufacture, data from Sl. No. 1 to 6, 26, 29-35 are required.

C. FI/FIM u/s 9(4):-

In case of Technical import u/s 9(4), no studies are required.

Note: The general recommendations as mentioned in the Guidance Document on Toxicology for registration of Chemical Pesticides in India will be applicable on the basis of merit case to case basis.

‘Waiver would be considered when existing information provides robust and full scientifically sound weight of evidence approach and based on read across/bridging from structurally and /or biologically related similar pesticides, physico-chemical/biological properties and use and exposure patterns case to case basis.

The replacement alternatives not involving experiments on animals would be considered and accepted in those cases where data from valid 3Rs (Replacement, Reduction and Refinement) methods recognized by OECD and other renowned Regulatory Authorities is provided wherever applicable, case to case basis.

5. Packaging-Data requirement for the registration of pesticides under various categories

(Chapter V of the Insecticides Rules 1971 in the Insecticides Act, 1968, the rule 16 to 20 of the said chapter deals with the Packaging and Labelling)

Sl. No.	Parameter	Section 9(3B)			Section 9(3)				Section 9(4)			
		TIM	FIM	TI	TIM	FIM	TI	FI	TIM	FIM	TI	FI
1.	Labels and Leaflets per IR-1971, all fields (as applicable) and as amended from time to time	R	R	R	R	R	R	R	NR	NR	NR	NR
2.	Manner of labeling and Leaflet	R	R	R	R	R	R	R	R	NR	NR	NR
3.	Type of packaging (Ultra small, small or Bigb whichever is applicable)	R	R	R	R	R	R	R	R	NR	NR	NR
4.	Manner of packaging	R	R	R	R	R	R	R	R	NR	NR	NR
5.	Specification for primary, Secondary and Transport packages (whichever is applicable)	R	R	R	R	R	R	R	R	NR	NR	NR
6.	Details of packaging material and its compatibility with content	R	R	R	R	R	R	R	R	NR	NR	NR
7.	Performance of container with content during storage stability test(Shelf life Study)	R*	R*	R*	R	R	R	R	NR	NR	NR	NR
8.	Transport worthiness test	R*	R*	R*	R	R	R	R	NR	NR	NR	NR

R*- Before Commercialization the data will be required.

Note:

1. In case of additional packaging endorsement applications (already approved packaging), the data at Sl. No. 05, 06, 07 & 08, are not required if similar packaging (material) and manner of packaging is being sought by the applicant as has been granted to earlier 9(3) registrant.
2. Specification of Bureau of Indian Standard (BIS) must be followed for all the packaging requirements (Wherever available and applicable).
3. All Packaging tests must be carried out with the product of same batch and in its commercial package preferably in Indian condition.
4. The duration of the test and the conditions including geographical conditions must be mentioned.
5. Storage stability data should be generated keeping at least the following parameters in test protocol such as test temperature, test duration, test packaging material, content of active ingredient (a.i.) in the product during and after storage, test humidity, exposure to light, physical and chemical properties of the product during and after storage etc.
6. The testing protocols must have their basis in the WHO/FAO/ CIPAC/ASTM recommendations or other validated methodology of GLP/ NABL accredited laboratory having packaging testing (chemical / mechanical as applicable etc.) in the scope.
7. The Accelerated Storage Study (ASS) test must be conducted at $54^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (wherever applicable) containing corrosiveness study of the product in reference to packaging material for 14 days as per FAO/ WHO manual for claiming appropriate shelf life of the product which can be maximum two years, subject to the condition of providing the ambient storage stability study data of thirty months or as the case may be within thirty months from the date of application for the registration.

Sub category: 3.2. Guidelines for the registration of post-harvest treatment of crop produce

a) Data requirements for Registration of Technical

Note: The data should be submitted on Parameters for Bio-efficacy as per the guidelines approved by the RC from time to time for registration of Chemical pesticides under TIM / TI U/s 9(3) category, as the case may be. The specific data requirements / information for registration of technical (TC/TK) are as under: -

- i. Fate and behavior in treated crop produce
- ii. Fate and behavior in air (for gases and fumigants)
- iii. Fate and behavior in water (for solid and liquid pesticides)
- iv. Fate and behavior in soil (for solid and liquid pesticides) and data on Sr. No. 16 & 18 (Table – 1) is required.
- v. If the product technical is not in gas form and/or also to be used to make formulation(s) for use for other than fumigation of post-harvest crop produce (e.g. for use in field crops, household purposes etc.), the additional data requirements on technical to be submitted as per the guidelines approved by the 427th RC for registration under TIM, TI category U/s 9(3), as the case may be.

b) Date requirement for registration of MUP (Manufacturing Use Product) (Not for ripening agent)

Note: -

- 1) If technical grade of the pesticide is not registered, complete data with respect to product technical on Bio-efficacy as per above guidelines under I. above for technical indigenous manufacture (TIM) / technical Import (TI) U/S 9(3), as the case may be, to be submitted along with data on MUP as listed below.
- 2) If the technical grade and source for import is duly registered as per guidelines of the Registration Committee, data on MUP to be submitted as listed below:
 - i. Registration status of MUP in other countries.
 - ii. If the product MUP is not in gas form and/or also to be used to make formulation(s) for use other than fumigation of post-harvest crop produce (e.g. for use in field crops, household purposes etc.) the additional data requirements for registration of MUP to be submitted as per the guidelines approved by the RC from time to time for registration of Chemical Pesticides U/s 9(3).

c) Data requirements for Registration of formulation –**Note:**

1. For registration of a formulation under FIM / FI U/s 9(3) category, the technical (TC/TK) and / or MUP from which formulation to be manufactured, should be registered under the Insecticides Act, 1968.
2. An applicant seeking registration of a formulation without registering technical for import/indigenous manufacture U/s. 9(3), required to submit complete data as per the guidelines for registration of formulation listed below, along with complete data as per above guidelines for registration of technical for import. Indigenous manufacture U/s. 9(3) category, as the case may be.
3. The data parameters for Bio-efficacy shall be as per the guidelines approved by the RC from time to time for registration of Chemical Pesticides under FIM/ FI u/s 9(3) category, as the case may be.

The specific data requirements / information for registration of formulation on post-harvest crop produce (PGR) **(except for Ethephon (formulation) for use as ripening agent as per directions of Hon'ble Delhi High court in W.P. (C) No. 1987 of 2022)** are as under:

Table – 2

1.	Data on bio-effectiveness Adverse effects on postharvest crop produce, if any (phyto-toxicity, change in appearance and flavour etc.)	For label claim of controlled atmospheric conditions data on 1. And 2. To be submitted for three repeated trials (same temperature and relative humidity) (or) For label claim of ambient atmospheric conditions data to be submitted for minimum three repeated trials, regardless of season.
2.	Residue and persistence at different interval (immediately after treatment, start from 0 hours till BDL or acceptable level) in post-harvest crop produce.	For label claim of controlled atmospheric conditions (same temperature and relative humidity) data to be submitted for three repeated trials. (or) For label claim of ambient atmospheric conditions (same temperature and relative humidity) data to be submitted for minimum three repeated trials. (or) The requirement of one season four locations will be applicable as per insecticide, fungicide and PGR guidelines.
3.	Registration status of formulation in other countries	Required
4.	MRL Performa and label leaflets	Required
5.	Label claims as per product Bio-efficacy information as per gazette notifications issued by Govt. of India from time to time.	

Guidelines for import and indigenous manufacture of Ethephon (formulation) for use as ripening agent. (As approved in 447RC meeting vide agenda item no. 10.51)

Sl. No.	Parameter		9(3)	
			FI	FIM
1	2		3	4
A.	CHEMISTRY			
1	Chemical composition of formulation.		R	R
2	Chemical identity of technical and adjuvants		R	R
3	Physico-chemical properties of technical and adjuvants		R	R
4	Specification of the product and Method of analysis		R	R
5	Analytical Test report		R	R
6	Data on rate of release/application		R	R
7	Shelf life claim & data		R	R
8	Process of manufacture, Step-wise manufacturing process and flow sheet diagram of process of manufacture		R	R
9	Information about raw material used and their source of supply		R	R
10	The applicant should provide sample along with ref./analytical standard for pre-registration verification along with Specification, Method of analysis, Chromatograms etc.		R	R
11	Methodology for residue estimation as per BIS format		R	R
12	Source of supply of technical: The technical should be registered in India for use in country and proof of supply that the formulated product has been manufactured using the particular technical only for consent provided		R	R
13	Form-I, Labels/Leaflets and copy of RTT permit, if relevant.		R	R
14	ETP certificate, if applicable		R	R
B.	BIO-EFFICACY & RESIDUES		FI	FIM
1	Data on bio-effectiveness.	For label claim of controlled atmospheric conditions data on 1 and 2 to be submitted for three repeated trials (same temperature and relative humidity). Or For label claim of ambient atmospheric condition data to be submitted form three repeated trials Of different locations.	R	R
2	Adverse effect on post-harvest crop produce, if any(phytotoxicity, change in appearance and flavor etc.)		R	R

3	Residue and persistence at different interval (immediately after treatment start from 0 hours till BDL or acceptable level) in post-harvest crop produce	For label claim of Controlled atmospheric conditions (same temperature and relative humidity) data to be submitted for three repeated trails. Or For label claim of ambient atmospheric condition data to be submitted form three repeated trials of different locations.	R	R
4	Registration status of formulation in other countries		R	R
5	MRL Performa and label leaflets		R	R
6	Label claims as per product Bio-efficacy : Information as per latest Gazette Notification issued by the Government of India		R	R
C.	TOXICITY		FI	FIM
1	Acute Oral toxicity in rat		R	R
2	Acute dermal toxicity		R	R
3	Acute inhalation toxicity		R	R
4	Primary skin irritation in rabbit		R	R
5	Irritation to mucous membrane in Rabbit		R	R
6	Skin sensitization test		R	R
7	Observation in man if the concentration is lower and WP in place of EC etc., data may not be required (NR type of formulation is such i.e. as per decision of 318th RC held on 27.04.2011)		R	R
8	Toxicity to birds (One species only)		R	R
9	Medical data		R	R
	Note: If the formulation is more toxic than its technical, then the toxicity data on sub-acute oral rat, sub-acute dermal, sub-acute inhalation, neurotoxicity, sub-acute oral dog (Any peer reviewed published data/information for sub-acute oral dog only as approved in 343 and 344 RC meeting) will be acceptable.			
D.	PACKAGING		FI	FIM
1	Labels and leaflets as per-1971 existing norms			
a	For size 250 ml/gm & below		R	R
b	For 500 ml/gm & above		R	R
2	Label to contents			
a	Detailed Chemical composition		R	R
b	Purpose for import/manufacture		R	R
c	Antidote		R	R
d	Toxicity triangle		R	R
e	Cautionary statement		R	R
f	Brief direction concerning usages		R	R
g	Restriction if any		R	R
3	Leaflets to contain:			
a	Detailed chemical composition leaflets accompanying small labels (up to 250mg/ml size container)		R	R

b	Introductory para about the pesticide	R	R
c	Detailed directions concerning usages	R	R
d	Time of application	R	R
e	Application equipment	R	R
f	Waiting period	R	R
g	Symptoms of Poisoning	R	R
h	First-aid measures	R	R
i	Antidote and treatment	R	R
j	Restriction, if any	R	R
k	Instruction for storage	R	R
l	Information regarding disposal of used packages	R	R
4	Type of packaging (packing material + compatibility with content)	R	R
5	Manner of packing		
a	Specification for primary package	R	R
b	Specification for secondary packaging	R	R
c	Specification for transport packaging	R	R
d	Manner of labeling	R	R
e	Performance of container during storage stability test	R	R
f	Transport worthiness Test	R	R
E	LEGAL	FI	FIM
1	Copy of BOD Resolution/ Affidavit / partnership deed. {notarized}	R	R
2	Affidavit for Chemical composition on NJSP (Notarized)	R	R
3	Certificate as per category of industry/ Manufacturing license (notarized)	R	R
4	PAN No. (notarized)	R	R
5	Incorporation Certificate (Notarized)	R	R
6	Proof of ownership of industry plot	R	R
7	Proof of Source of Technical to be used in formulation is duly registered. (In case of indigenous manufacture/ import-Reference of RC meeting in which it was approved). {Only deemed registration status without issuance of Certificate of registration shall not be considered}.	R	R
8	Letter of consent, duly legalized from Indian Embassy / High Commission / Consulate in the Country of origin (Applicable in case of 9(4) TI/FI Applications)	R	R
9	Copy of 9(3b) Registration certificate, if relevant	R	R

Remarks- Bio-efficacy data on target pests (diseases, insects, nematodes and weeds etc.) generated by ICAR/SAUs and institutes under National Agriculture Research System and other institutes approved by registration committee will only be acceptable.

Sub category 3.3: Guidelines for the registration of Petroleum derived products like spray oil – natural mineral oil products (Approved by the registration Committee in its 326th RC meeting held on 15.02.2012)

S.No	Parameter	Provisional Registration U/s 9 (3B)	Regular Registration U/s 9 (3)
1	2	3	4
A.	Chemistry		
1	Source of Supply	R	R
2	Chemical Composition	R	R
3	Chemical Identity	R	R
4	Physico - Chemical Properties	R	R
5	Technical Bulletin	R	R
6	Specification	R	R
7	Method of Analysis	R	R
8	Analytical Test Report	R	R
9	Identification& Quantification of identifiable Impurities	R	R
10	Shelf-life	R	R
10a.	Shelf-life Data	NR	R
11	Process of Manufacture	R	R
a.	Information about Raw Materials Used	R	R
b.	Source of Supply of the raw materials	R	R
c.	Stepwise Manufacturing Process	R	R
d.	Formula of the product	R	R
e.	Flow sheet diagram of process of manufacture	R	R
12	Documents such as registration certificate / manufacturing license or any other approval under any Government regulation will be acceptable to support that manufacturer is actual producer	R	R
13	Certificate from manufacturer that the dealer/ trader is an authorized dealer/ trader of the manufacturer	R	R
14	A test report about the quality of the product from a laboratory as per GLP scheme or from a company with ISO-9000 certification. This requirement will be provided along with first consignment. Thereafter, each consignment should have proper analytical test report of the manufacturer	R	R
15	The applicant should provide sample along- with standards technical sample from the principals/ authorized dealers for chemical verification. In case of technical grade pesticides, samples of standard impurities are also to be provided for chemical verification. In process sample is to be provided with appropriate undertaking	R	R
16	Methodology for residue estimation as per BIS format	R	R
B.	Bio-efficacy & residue		
17	Bio-effectiveness *	R	R
18	Phytotoxicity*	R	R

19	Effect on parasite & predators*	R	R
20	Compatibility with other chemicals if claimed	R	R
21	Residues in plant	R	R
22	Residues in soil	R	R
23	Residue tolerance limits fixed by foreign countries	R	R
24	Registration status in foreign countries	R	R
C.	Toxicity		
25	Acute oral Rat	R	R
26	Acute Dermal- Rat / Rabbit	R	R
27	Acute inhalation-Rat	R	R
28	Primary Skin Irritation- Rabbit	R	R
29	Acute Eye Irritation- Rabbit	R	R
30	Skin Sensitization Test		
31	Neurotoxicity	NR	R
32	Teratogenicity	NR	R
33	Effect on reproduction	NR	R
34	Carcinogenicity	NR	R
35	Metabolism	NR	R
36	Mutagenicity	NR	R
37	Toxicity to birds	R	R
38	Toxicity to fish	R	R
39	Toxicity to honeybees	R	R
40	Medical data	R	R
41	Human toxicity information from foreign countries	R	R
D.	Packaging & labeling		
42	Labels and leaflets as per IR-1971 existing norms (i) for size 250 ml & below (ii) for 500 & above	R	R
43	Labels to contents	R	R
a.	Detailed Chemical composition	R	R
b.	Purpose for import / manufacture	R	R
c.	Antidote	R	R
d.	Toxicity triangle	R	R
e.	Cautionary statement	R	R
f.	Brief direction concerning usages	R	R
g.	Restriction, if any	R	R
44	Leaflets to contain	R	R
a.	Detailed Chemical composition on leaflets accompanying small labels (upto 250 ml size container)	R	R
b.	Introductory paragraph about the pesticide	R	R
c.	Detailed directions concerning usages	R	R
d.	Time of application	R	R
e.	Application equipment	R	R
f.	Waiting Period	R	R

g.	Symptoms of poisoning	R	R
h.	First-aid measures	R	R
i.	Antidote & treatment	R	R
j.	Restriction, if any	R	R
k.	Instruction for storage	R	R
l.	Information regarding disposal of used packages.	R	R
45	Type of packaging (packaging material + compatibility with content)	R	R
46	Manner of packaging	R	R
47	Specification for primary package	R	R
48	Specification for secondary packaging	R	R
49	Specification for transport packaging	R	R
50	Manner of labeling	R	R
51	Performance of container during storage stability test	NR	R
* Bio-efficacy data on target pests (diseases, insects, nematodes etc.) be generated by ICAR/CSIR Institutes/SAUs based on multilocation (minimum three locations for 9(3) & two locations for 9 (3b) for two season is required. Refer to ‘Toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.’			

Sub Category 3.4: Guidelines for The Registration of Combination Products Of Two Registered Herbicides(Approved by the registration committee in its 291st RC meeting held on 28.07.2008)

A.	CHEMISTRY	
1.	Detailed chemical composition.	R
2.	Chemical identity of individual a. i content	R
3.	Physico-chemical properties of the combination product	R
4.	Specifications	R
5.	Method of analysis	R
6.	Analytical test report	R
7.	Shelf-life claim / data	R
8.	Manufacturing process	R
B.	BIO-EFFICACY	
1.	Bio-effectiveness	R
2.	Phytotoxicity.	R
3.	Persistence in soil*	R
4.	Persistence in plant*	R
5.	Persistence in water*	R
6.	Compatibility with other chemicals**	R
7.	Residues in plant*	R
8.	Residues in soil*	R
	* “if the a.i. content of either component of the combination product is higher than the already registered same formulations combination, the applicant is required to submit the data”. ** If the product is proposed to be mixed with other chemicals, the data on compatibility with these chemicals are required to be submitted. Note: Data on Bioeffectiveness, phytotoxicity and Residues*(with physico-chemical & biological properties of soil & effect on succeeding crops) to be generated as per the requirement of general guidelines for Registration of Herbicides U/s 9(3).	
C.	TOXICOLOGY- Revised in 296th RC held on 24-12-2008	
1.	The technical product of individual pesticides should be registered U/s. 9(3) of Insecticides Act 1968. Or Data on technical is to be submitted as per existing guidelines in respect of that	R

	individual component/(s) which is/are not registered U/s.9(3) of Insecticides Act 1968. This data submission would be irrespective of applicant desire for registration of individual product(s) for registration of technical compounds.	
2.	Data on individual components of formulation is not required.	R
3.	The following data will be required (observed value*) on combination formulation to be registered:- a) Acute oral Rat b) Acute Dermal- Rat / Rabbit c) Acute inhalation-Rat d) Primary Skin Irritation- Rabbit e) Acute Eye Irritation- Rabbit f) Skin Sensitization Test g) Acute Avian toxicity * h) Toxicity to fish i) Toxicity to honeybees j) Toxicity to earthworm k) Medical data l) Human toxicity information from foreign countries m) Health records of Industrial workers Note : The corresponding footnotes of the “Guidelines for Data Requirements for Registration of Chemical Pesticides under Various Categories for Agricultural Purposes” shall apply to this guideline, unless otherwise specified herein. Refer to ‘toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.	R
4.	The predicted LD ₅₀ /LC ₅₀ value* are to be calculated as per WHO formula and should be submitted along with calculation of the raw data and statement on observed* Vs predicted values to be submitted in tabular form.	NR
D.	PACKAGING AND LABELLING	
1.	Label and Leaflets as per Insecticides Rules, 1971 existing norms.	R
2.	Type of packing	R
3.	Manner of Packing (Packaging material plus compatibility with content)	R
4.	Specifications for primary packing	R
5.	Specifications for secondary packing	R
6.	Specifications for transport packing	R
7.	Manner of Labelling	R
8.	Instructions for storage and use, etc.	R
9.	Information regarding disposal of used package.	R

R – Required

Sub category 3.5: Guidelines for Registration of Combination of Pesticides (not for herbicides) for Indigenous Manufacture u/s 9(3)

(Approved by the Registration Committee in its 211th RC meeting and revised in its 296th RC meeting)

S. No	Parameter	CBN (IM)
1	2	3
A. CHEMISTRY		
1.	Source of Supply of Technical	R
2.	Chemical Composition	R
3.	Chemical Identity of technical	R
4.	Physico - Chemical Properties of adjuvants	R
5.	Technical Bulletin	NR
5(a)	Copy of RTT permit	NR
6.	Specification	R
7.	Method of Analysis	R
8.	Analytical Test Report	R
9.	Identification& Quantification of identifiable Impurities	NR
10a.	Shelf-life claim	R
10b.	Shelf-life Data	R
11.	Establishment of Chemical Equivalence	NR
12a.	Process of Manufacture	R
12b.	Information about Raw Materials Used	R
12c.	Their Source of Supply.	R
12d.	Step-wise Manufacturing Process.	R
12e.	Chemical Equation	NR
12f.	Formula	NR
12g.	Flow sheet diagram of process of manufacture	R
12h.	Effluent Treatment method	R

13.	Documents such as registration certificate / Certificate of DNA/manufacturing licence or any other approval under any Govt. regulation will be acceptable to support that manufacturer is actual producer	NR
14.	Certificate from manufacturer that the dealer/ trader is an authorised dealer/ trader of the manufa - cturer.	NR
15.	A test report about the quality of the product from a laboratory as per GLP scheme or from a company of ISO-9000. This requirement will be provided along with first consignment. There after, each consignment should have proper analytical test report of the manufacturer.	NR
16.	The applicant should provide sample along- with standards technical sample from the principals/ authorized dealers for chemical verification. In case of technical grade pesticides u/s 9(3), samples of std. impurities are also to be provided for chemical verification. In process sample to be provided in case of indigenous manufacture of technical u/s 9(3) TIM & 9(4) TIM with undertaking	R
17.	Methodology for residue estimation as per BIS format.	R
B. Bioefficacy		
18a.	Bio-effectiveness	R*
18b.	Phytotoxicity	R*
18c.	Effect on parasites & predators	R*
19.	Translocation in plants	NR
20.	Metabolism in soil	NR
21.	Metabolism in water	NR
22.	Metabolism in plant	NR
23.	Persistence in soil	R
24.	Persistence in water	R
25.	Persistence in plant	R
26.	Compatibility with other chemicals, if claimed	R
27.	Residues in plant	R#
28.	Residues in soil	R#
29.	Residue tolerance limits fixed by foreign countries	NR

30.	Cost benefit ratio	R
31.	Registration status in foreign countries	NR

R* : Two seasons/years data generated at minimum three agro-climatic conditions.

R #: One season / year data generated at minimum four agro-climatic conditions.

NOTE:

- (i) Data on effect on parasites and predators is not required in case of fungicides.
- (ii) If the a.i. content in the combination product is higher than the a.i. content of the registered formulation under the Insecticides Act, the applicant is required to submit the data on persistence (soil, water & Plant) & Residues (plant & soil).

C. TOXICITY (Revised in 296th RC held on 24-12-2008)

I. The technical product of individual pesticides should be registered U/s. 9(3) of Insecticides Act 1968.

or

Data on technical is to be submitted as per existing guidelines in respect of that individual component/(s) which is/are not registered U/s.9(3) of Insecticides Act 1968. This data submission would be irrespective of applicant desire for registration of individual product(s) for registration of Technical component(s).

II. Data on individual components of formulation is not required.

III. The following data will be required (observed value*) on combination formulation to be registered:-

32.	Acute oral Rat	R
33.	Acute Dermal- Rat / Rabbit	R
34.	Acute inhalation-Rat	R
35.	PrimarySkin Irritation- Rabbit	R
36.	Acute Eye Irritation- Rabbit	R
37.	Skin Sensitization Test	R
38.	Acute Avian toxicity *	R
39.	Toxicity to fish	R
40.	Toxicity to honeybees	R
41.	Toxicity to earthworm	R

53.	Medical data	R
42.	Human toxicity information from foreign countries	R
43.	Health records of Industrial workers Note : The corresponding footnotes of the “Guidelines for Data Requirements for Registration of Chemical Pesticides under Various Categories for Agricultural Purposes” shall apply to this guideline, unless otherwise specified herein. Refer to ‘toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.	R
D. Packaging		
44.	Labels and leaflets as per IR-1971 existing norms (i) for size 250 ml & below (ii) for 500 & above.	R
45	Labels to contents	R
a.	Detailed Chemical composition	R
b.	Purpose for import / manufacture.	R
c.	Antidote	R
d.	Toxicity triangle	R
e.	Cautionary statement	R
f.	Brief direction concerning usages	R
g.	Restriction if any	R
46.	Leaflets to contain	
a.	Detailed Chemical composition on leaflets accompanying small labels (up to 250 ml size container)	R
b.	Introductory para about the pesticide	R
c.	Detailed directions concerning usages	R
d.	Time of application	R
e.	Application equipment	R
f.	Waiting Period	R
g.	Symptoms of poisoning	R
h.	First aid measures	R

i.	Antidote & treatment	R
j.	Restriction, if any	R
k.	Instruction for storage	R
l.	Information regarding disposal of used packages.	R
47.	Type of packaging (pkg material + compatibility with content)	R
48.	Manner of packaging	R
48.1.	Specification for primary package	R
48.2.	Specification for secondary packaging.	R
48.3.	Specification for transport packaging.	R
49.	Manner of labelling	R
50.	Performance of container during storage stability test	R
51.	Transport worthiness test	R

Sub category 3.6: Guidelines for Registration of Combination Product of One Registered Insecticide and One Registered Fungicide for foliar spray u/s 9(3)

(Approved by the Registration Committee in its 284th RC meeting held on 13.12.2007)

A. CHEMISTRY

1. Detailed chemical composition	R
2. Chemical identity of individual a.i. content	R
3. Physico-chemical properties of the combination product	R
4. Specifications	R
5. Method of analysis	R
6. Analytical test report	R
7. Shelf-life claim/data	R
8. Manufacturing process	

B. BIO-EFFICACY

1. Bio-effectiveness*	R
2. Phytotoxicity	R
3. Persistence in soil**	R
4. Persistence in plant**	R
5. Persistence in water**	R
6. Compatibility with other chemicals***	R
7. Residues in plant**	R
8. Residues in soil**	R

*Bio-efficacy evaluation of insecticide and fungicide alone and in combination is to be evaluated against insect pest(s) and disease(s) as per label claim(s) under different agro-climatic conditions for two seasons.

**If the a.i. content in the combination product is higher than the a.i. content of the registered formulation under the Insecticides Act, the applicant is required to submit the data.

***If the product is proposed to be mixed with other chemicals, the data on compatibility with these chemicals are required to be submitted.

C. TOXICOLOGY

- Acute oral Rat
- Acute Dermal- Rat / Rabbit
- Acute inhalation-Rat
- Primary Skin Irritation- Rabbit
- Acute Eye Irritation- Rabbit
- Skin Sensitization Test
- Acute Avian toxicity *
- Toxicity to fish
- Toxicity to honeybees
- Toxicity to earthworm

- k) Medical data
- l) Human toxicity information from foreign countries
- m) Health records of Industrial workers

Note : The corresponding footnotes of the “Guidelines for Data Requirements for Registration of Chemical Pesticides under Various Categories for Agricultural Purposes” shall apply to this guideline, unless otherwise specified herein.

Refer to ‘toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.

D. PACKAGING AND LABELLING

1. Label and Leaflets as per Insecticides Rules, 1971 existing norms	R
2. Type of packing	R
3. Manner of Packing (Packaging material plus compatibility with content)	R
4. Specifications for primary packing	R
5. Specifications for Secondary packing	R
6. Specifications for transport packing	R
7. Manner of Labelling	R
8. Instructions for storage and use, etc.	R
9. Information regarding disposal of used package.	R

R-Required.

Sub category: 3.7: Guidelines/Data Requirement for Registration of New Formulation for Seed Treatment U/s.9(3).

(Approved by the Registration Committee in its 296th RC meeting held on 24.12.2008)

A. CHEMISTRY

- i) Source of supply of technical
- ii) Chemical composition
- iii) Chemical identity of technical
- iv) Physico-chemical properties of technical and adjuvants
- v) specification method of analysis
- vi) Analytical test report
- vii) Shelf life claim & data
- viii) (a) Process of manufacture
 - (b) Information about raw material used
 - (c) Their source of supply
 - (d) Step-wise manufacturing process
 - (e) Flow-sheet diagram of process of manufacture
- (ix) The applicant should provide sample along with ref./analytical standard for pre-registration verification.
- (x) (1) Methodology for residue estimation as per BIS format
 - (2) Copy of Form-I
 - (3) Labels/Leaflets
 - (4) Copy of RTT permit, if relevant

B. BIOEFFICACY AND RESIDUES

1. Bio-effectiveness

Bio-efficacy evaluation of the product for seed treatment is to be evaluated against insects pest (s), diseases (s) as per label claim (s) under different agro-climatic zones/ multi-location field trial for two season/ year.

2. Phytotoxicity

Data required as for bio-effectiveness above.

3. Effect on parasites & predators

Data on effect on parasites and predators is not required in case of fungicides, but data on beneficial flora and fauna in soil is required.

4. Persistence in soil, water and plant- Data as per existing guidelines required

5. Compatibility with other chemicals, if claimed

If the product is proposed to be mixed with other chemicals, the data on compatibility with other pesticides/bio-pesticides and bio-fertilizers used for seed dressing are required to be submitted.

6. Residue in plant and soil : Residue data as per label claim for four locations, one season is required to be submitted.
7. Registration status in foreign countries- required
8. Copy of Form-I- required
9. Chemical composition- required
10. Copy of RTT permit, if relevant - required
11. Labels/Leaflets- required

C. TOXICITY

- a. Acute oral Rat
- b. Acute Dermal- Rat / Rabbit
- c. Acute inhalation-Rat
- d. Primary Skin Irritation- Rabbit
- e. Acute Eye Irritation- Rabbit
- f. Skin Sensitization Test
- g. Acute Avian toxicity *
- h. Toxicity to fish
- i. Toxicity to honeybees
- j. Toxicity to earthworm
- k. Medical data
- l. Human toxicity information from foreign countries
- m. Health records of Industrial workers

Note : The corresponding footnotes of the “Guidelines for Data Requirements for Registration of Chemical Pesticides under Various Categories for Agricultural Purposes” shall apply to this guideline, unless otherwise specified herein.

Refer to ‘toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.

D. Packaging and Labeling

1. Labels and leaflets as per-1971 existing norms (i) for size 250 ml & below (ii) for 500 & above.
2. Label to contents
 - (a) Detailed Chemical composition
 - (b) Purpose for import/manufacture
 - (c) Antidote
 - (d) Toxicity triangle
 - (e) Cautionary statement
 - (f) Brief direction concerning usages
 - (g) Restriction if any
3. Leaflets to contain
 - (a) Detailed Chemical composition leaflets accompanying small labels (up to 250 ml size container)
 - (b) Introductory para about the pesticide
 - (c) Detailed directions concerning usages
 - (d) Time of application
 - (e) Application equipment
 - (f) Waiting period
 - (g) Symptoms of poisoning
 - (h) First-aid measures
 - (i) Antidote and treatment
 - (j) Restriction, if any
 - (k) Instruction for storage
 - (i) Information regarding disposal of used packages
4. Type of packaging (packing material + compatibility with content)
5. Manner of packing
6. Specification for primary package
7. Specification for secondary packaging
8. Specification for transport packaging
9. Manner of labelling

10. Performance of container during storage stability test

11. Copy of Form-I

Sub category : 3.8: Guidelines/data Requirements for Registration of Combination product of One Registered Insecticide and One Registered Fungicide for Seed Treatment u/s 9(3)

(Approved by the Registration Committee in its 296th RC meeting held on 24.12.2008)

A. Chemistry

1. Detailed chemical composition
2. Chemical identity of individual a.i. content
3. Physico-chemical properties of the combination product
4. Specifications
5. Method of analysis
6. Analytical test report
7. Shelf-life claim/data
8. Manufacturing process

B. Bioefficacy

1. Bio-effectiveness

Bioefficacy evaluation of insecticide and fungicide alone and in combination is to be evaluated against insect pest(s) and disease(s) as per label claim(s) under different agro-climatic conditions for two seasons.

2. Phytotoxicity- data required as for Bio-effectiveness above.

3. Persistence in soil

If the a.i. content in the combination product is higher than the a.i. content of the registered formulations under the Insecticides Act, the applicant is required to submit the data.

1. Persistence in plant

If the a.i. content in the combination product is higher than the a.i. content of the registered formulation under the Insecticides Act, the applicant is required to submit the data.

2. Persistence in water

If the a.i. content in the combination product is higher than the a.i. content of the registered formulation under the Insecticides Act, the applicant is required to submit the data.

3. Compatibility with other chemicals

If the product is proposed to be mixed with other chemicals, the data on compatibility with these chemicals are required to be submitted.

4. Residues in plant

If the a.i. content in the combination product is higher than the a.i. content of the registered formulation under the Insecticides Act, the applicant is required to submit the data.

C. TOXICOLOGY

- a. Acute oral Rat
- b. Acute Dermal- Rat / Rabbit
- c. Acute inhalation-Rat
- d. Primary Skin Irritation- Rabbit
- e. Acute Eye Irritation- Rabbit
- f. Skin Sensitization Test
- g. Acute Avian toxicity *
- h. Toxicity to fish
- i. Toxicity to honeybees
- j. Toxicity to earthworm
- k. Medical data
- l. Human toxicity information from foreign countries
- m. Health records of Industrial workers

Note : The corresponding footnotes of the “Guidelines for Data Requirements for Registration of Chemical Pesticides under Various Categories for Agricultural Purposes” shall apply to this guideline, unless otherwise specified herein.

Refer to ‘toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.

D. PACKAGING AND LABELLING

1. Label and Leaflets as per Insecticides Rules, 1971
2. Type of packing
3. Manner of Packing (Packaging material plus compatibility with content)
4. Specifications for primary packing
5. Specifications for transport packing
6. Manner of Labelling
7. Instructions for storage and use, etc.
8. Information regarding disposal of used package.

Note:- All data related to Chemistry, Bio-efficacy, Toxicology, Packaging & Labeling are required individually and on combined product.

Sub category 3.9: Guidelines for the Registration of New Formulation (of same a.i.) where another formulation (of same a.i.) is already registered for seed treatment u/s 9(3).

(Approved by the Registration Committee in its 296th RC meeting held on 24.12.2008)

A. CHEMISTRY

1. Chemical composition
2. Physico-chemical properties of adjuvants
3. Specification & Method of Analysis
4. Analytical Test Report
5. Shelf-life claim and data
6. (a) Process of manufacture
 - (b) Information about raw materials used
 - (c) Their source of supply
 - (d) Stepwise manufacturing process
 - (e) Flow-sheet diagram of process of manufacture
7. The applicant should provide sample of formulation along with reference/analytical standard.
8. Method of residue estimation as per BIS specification
9. Copy of Form-I
10. Labels/Leaflets

B. BIO-EFFICACY & RESIDUES

1. **(a) Bio-effectiveness**

Data under different agro-climatic zones/ multi-location field trials for two seasons/ year is required if the pest is different while for the same pest one season under three to four different locations / agro-climatic zones is required to be submitted.
2. **Phytotoxicity-** data required as for bio-effectiveness above.
3. **Residue in plant**
 - (i) Required for additional crop as per label claim
 - (ii) Required for vegetable crops and crops where young seedlings are consumed as vegetables.
4. **Persistence in plant, soil & water:**
 - (i) Required for additional crop as per label claim
 - (ii) Required for vegetable crops and crops where young seedlings are consumed as vegetables.
5. **Registration status in foreign countries- required**
6. **Effect on parasites and predators (applicable in case of insecticides only)-**

Data required as per existing guidelines.

TOXICOLOGY

- a. Acute oral Rat
- b. Acute Dermal- Rat / Rabbit
- c. Acute inhalation-Rat
- d. Primary Skin Irritation- Rabbit
- e. Acute Eye Irritation- Rabbit
- f. Skin Sensitization Test
- g. Acute Avian toxicity *
- h. Toxicity to fish
- i. Toxicity to honeybees
- j. Toxicity to earthworm
- k. Medical data
- l. Human toxicity information from foreign countries
- m. Health records of Industrial workers

Note : The corresponding footnotes of the “Guidelines for Data Requirements for Registration of Chemical Pesticides under Various Categories for Agricultural Purposes” shall apply to this guideline, unless otherwise specified herein.

Refer to ‘toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.

Subcategory. 3.10: Guidelines for the registration of Pesticide Formulation FIM vs FIT u/s 9(3) for indigenous manufacture having the identical chemical composition that of formulation already registered for import u/s 9(3) for the same label claims.

(Approved by the Registration Committee in its 317th RC meeting held on 31.03.2011)

Name of the Applicant :- M/S -----

Product :- -----

Comments: The above highlighted information has no relevance and suggested to be deleted.

1. Index
2. Page Numbering
3. Authentication of pages by authorized signatory
4. Form – I duly signed
5. Demand draft as registration Fee
6. Requisite number of stamped envelopes
7. Copy of BOD Resolution/Affidavit/Partnership deed (**Notarized**)
8. Affidavit for Chemical composition on NJSP (**Notarized**)
9. Certificate as per category of Industry/ Manufacturing license (**Notarized**)
10. PAN No. (**Notarized**)
11. Incorporation Certificate **Notarized**)
12. Labels/leaflets
13. Proof of Source of Technical to be used in formulation is duly registered. (In case of indigenous manufacture / import - Reference of RC meeting in which it was approved). {Only deemed registration status without issuance of Certificate of registration shall not be considered}.

14. Name of registrant of Formulation Import (Reference of Registration Committee Meeting in which formulation import was approved).
15. ATR from independent laboratory
16. A Sample for Analysis by CIL

In view of above, application is

- i) Accepted for further scrutiny
- ii) Not accepted

Sub category 3.11: Guidelines for Registration of Pesticide Formulation of Pre-mix Combination having Three Active Ingredients for Indigenous Manufacture for Use in Agriculture

(Approved by the Registration committee in its 336th RC meeting held on 01.03.2013)

GENERAL REQUIREMENTS

1. All pesticide active ingredients constituents in the combination must be manufactured from the technical grade pesticides registered under the Insecticides Act, 1968.
2. In case of any active ingredient(s) not yet registered in the country, the entire data / separate application on its technical has to be submitted as per guidelines for TIM U/s 9(3) / TI U/s 9(3) for evaluation of the combination product.
3. If source of supply of technical of any a.i. component(s) of the combination is not yet registered, separate application to be submitted as per relevant guidelines of RC.
4. There should be single clear analytical separation method of active ingredients.
5. The proposed effective a.i. dosages / concentration in combination constituent should not be generally higher than already registered individual a.i. dosages. However, if there is a need, the rationality of such higher dose/ concentration has to be justified.
6. There should not be the chemical Interaction among the a.i. in the combination product.
7. Ingredients of mixture could be from any group of pesticides (e.g. I / F / H etc) depending on target pests, provided rationality is there.
8. All toxicity data should be generated as per RC approved protocols.

Abbreviations: FIM: Formulation Indigenous Manufacture

TIM: Technical Indigenous Manufacture

TI : Technical Import

A.	CHEMISTRY
1.	Source of Supply of Technical
2.	Chemical Composition
3.	Physico – Chemical Properties of adjuvants
4.	Technical Bulletin/ scientific information of the combination formulation, If available
5.	Draft Specification to be submitted for future consideration of BIS
6.	Method of Analysis (A Clear analytical separation method of active ingredients)

7.	Analytical Test Report
8.	Shelf-life claim supported by Shelf-life Data – Required as per the requirement of FIM u/s 9(3) guidelines
9.	Information on outline of Process of formulation as per the requirement of FIM u/s 9(3) guidelines
10.	Effluent Treatment method
11.	A sample of the product for pre registration verification
12.	Method of Analysis for residue estimation as per BIS format
13.	Data on Chemical Interaction among the a.i. in the combination product. Protocol attached at Appendix -I .
14.	Traceability record of samples used in data generation.
B.	Bioefficacy
1	Rationale for registering the combination of more than two active ingredients
2	Bio-effectiveness : Two seasons/years data on combination formulation from minimum three different agro climatic conditions. If any individual component is not registered as formulation, the two seasons comparable data are required to be generated against the targeted insects / diseases/ weeds using stable/ viable formulation. Already registered formulation of individual component of the formulation at approved dosage shall also be included as check.
3	Phytotoxicity : Two seasons data on combination formulation from minimum three different agro climatic conditions
4	Effect on major parasitoids & predators: Required only for Insecticides (field data to be recorded along with the bioefficacy trial for same number of seasons and locations)
5	*Persistence in soil
6	*Persistence in water
7	*Persistence in plant
8	Compatibility with other chemicals, if claimed
9	*Residues in plant**

10	*Residues in soil**
11	Residue tolerance limits fixed by foreign countries
12	Registration status of combination product in foreign countries
13	Cost-benefit ratio
** 9&10: Data on Residue required for as many seasons & locations as required in case of existing FIM u/s 9(3) guidelines. In case of herbicides data on effect on succeeding crops, and soil physico-chemical & biological properties are also required along with residue studies as detailed in existing FIM u/s 9(3) bioefficacy guidelines for herbicides. * 5,6,7,9&10: These data shall only be required when the concentration / a. i. dose are higher than already registered and /or in case new compound is formed and / or any adjuvant / diluents(other than water) / carrier is different that are in the registered formulation of the individual components. Data on 7,9&10 are also required for the additional crop(s) label claims to common of the individual registered.	
C.	TOXICITY
1	Acute oral Rat
2	Acute Dermal- Rat / Rabbit
3	Acute inhalation-Rat
4	Primary Skin Irritation- Rabbit
5	Acute Eye Irritation- Rabbit
6	Skin Sensitization Test
7	Mutagenicity
8	Acute Avian toxicity *
9	Toxicity to fish
10	Toxicity to honeybees
11	Toxicity to earthworm
12	Medical data
13	Human toxicity information from foreign countries
14.	Health records of Industrial workers
Note : The corresponding footnotes of the “Guidelines for Data Requirements for Registration of Chemical Pesticides under Various	

Categories for Agricultural Purposes” shall apply to this guideline, unless otherwise specified herein. Refer to ‘toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.	
D.	Packaging
1	Labels and leaflets as per IR-1971existing norms (i) for size 250 ml & below (ii) for 500 & above
2	Labels to contents
2a	Detailed Chemical composition
2b	Purpose for import / manufacture.
2c	Antidote
2d	Toxicity triangle
2e	Cautionary statement
2f	Brief direction concerning usages
2g	Restriction if any
3.	Leaflets to contain
3a	Detailed Chemical composition on leaflets accompanying small labels (upto 250 ml size container)
3b	Introductory para about the pesticide
3c	Detailed directions concerning usages
3d	Time of application
3e	Application equipment
3f	Waiting Period
3g	Symptoms of poisoning
3h	First aid measures
3i	Antidote & treatment
3j	Restriction, if any

3k	Instruction for storage
3l	Information regarding disposal of used packages.
4a	Type of packaging (Packaging material)
4b	Data on Container Content compatibility
5	Manner of packaging
5a	Specification for primary package
5b	Specification for secondary packaging.
5c	Specification for transport packaging.
6	Manner of labeling
7	Performance of container during storage stability test
8	Transport Worthiness Test

Sub category 3.12: Guidelines / data requirements for registration for import of pesticide formulation of pre-mix combination having three active ingredients for use in Agriculture

(Approved by the Registration committee in its 336th RC meeting held on 01.03.2013)

GENERAL REQUIREMENTS

1. All pesticide active ingredients constituents in the combination must be manufactured from the technical grade pesticides registered under the Insecticides Act, 1968.
2. In case of any active ingredient(s) not yet registered in the country, the entire data / separate application on its technical has to be submitted as per guidelines for TI U/s 9(3) for evaluation of the combination product.
3. If source of supply of technical of any a.i. component(s) of the combination is not yet registered, separate application to be submitted as per relevant guidelines of RC.
4. There should be single clear analytical separation method of active ingredients.
5. The proposed effective a.i. dosages of combination constituent should not be higher than already registered individual a.i. dosages for the same uses. However, if there is a need, the rationality of such higher dose/concentration has to be justified.
6. There should not be the chemical Interaction among the a.i. in the combination product.
7. Ingredients of mixture could be from any group of pesticides (e.g. I / F / H etc) depending on target pests, provided rationality is there.
8. All toxicity data should be generated as per RC approved protocols.

Abbreviations: FI: Formulation Import

TI: Technical Import

A.	CHEMISTRY
1.	Source of Supply of Technical
2.	Chemical Composition
3.	Physico - Chemical Properties of adjuvants
4.	Technical Bulletin/ scientific information of the combination formulation, If available
5.	Copy of RTT Permit
6.	Draft Specification to be submitted for future consideration of BIS

7.	Method of Analysis (A Clear analytical separation method of active ingredients)
8.	Analytical Test Report
9.	Shelf-life claim supported by Shelf-life Data – Required as per the requirement of FI u/s 9(3) guidelines
10.	A sample of the product for pre-registration verification
11.	Letter of consent from source of import along with Certificate of Registration issued by and duly authenticated by the registration authority verifiable from DNA.
12.	Certificate from Manufacturer that Dealer/Trader is an authorized dealer/trader of the manufacturer
13.	A test report about the quality of the product from laboratory as per GLP scheme or from a company of ISO-9000. This requirement will be provided along with first consignment. Thereafter, each consignment should have proper analytical test report of the manufacturer.
14.	Method of Analysis for residue estimation as per BIS format
15.	Data on Chemical Interaction among the a.i. in the combination product. Protocol attached at Appendix-I
16a.	Copy of RTT permit issued by RC
16b.	Traceability record of samples used in data generation.
B.	Bioefficacy
1	Rationale for registering the combination of more than two active ingredients
2	Bio-effectiveness : Two seasons/years data on combination formulation from minimum three different agro climatic conditions. If any individual component is not registered as formulation, the two seasons comparable data are required to be generated against the targeted insects / diseases/ weeds using stable/ viable formulation. Already registered formulation of individual component of the formulation at approved dosage shall also be included as check.
3	Phytotoxicity : Two seasons data on combination formulation from minimum three different agro climatic conditions
4	Effect on major parasitoids & predators:

	Required only for Insecticides (field data to be recorded along with the bioefficacy trial for same number of seasons and locations)
5	*Persistence in soil
6	*Persistence in water
7	*Persistence in plant
8	Compatibility with other chemicals, if claimed
9	*Residues in plant**
10	*Residues in soil**
11	Residue tolerance limits fixed by foreign countries
12	Registration status of combination product in foreign countries
13	Cost-benefit ratio
** 9&10: Data on Residue required for as many seasons & locations as required in case of existing FI u/s 9(3) guidelines. In case of herbicides data on effect on succeeding crops, and soil physico-chemical & biological properties are also required along with residue studies as detailed in existing FI u/s 9(3) bioefficacy guidelines for herbicides. * 5,6,7,9&10: These data shall only be required when the concentration / a. i. dose are higher than already registered and /or in case new compound is formed and / or any adjuvant / diluents(other than water) / carrier is different that are in the registered formulation of the individual components. Data on 7,9&10 are also required for the additional crop(s) label claims to common of the individual registered.	
C.	TOXICITY
1	Acute oral Rat
2	Acute Dermal- Rat / Rabbit
3	Acute inhalation-Rat
4	PrimarySkin Irritation- Rabbit
5	Acute Eye Irritation- Rabbit
6	Skin Sensitization Test
7	Mutagenicity
8	Acute Avian toxicity *

9	Toxicity to fish
10	Toxicity to honeybees
11.	Toxicity to earthworm
12.	Medical data
13.	Human toxicity information from foreign countries
14.	Health records of Industrial workers
Note : The corresponding footnotes of the “Guidelines for Data Requirements for Registration of Chemical Pesticides under Various Categories for Agricultural Purposes” shall apply to this guideline, unless otherwise specified herein. Refer to ‘toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.	
D.	Packaging
1	Labels and leaflets as per IR-1971 existing norms (i) for size 250 ml & below (ii) for 500 & above.
2	Labels to contents
2a	Detailed Chemical composition
2b	Purpose for import / manufacture.
2c	Antidote
2d	Toxicity triangle
2e	Cautionary statement
2f	Brief direction concerning usages
2g	Restriction if any
3.	Leaflets to contain
3a	Detailed Chemical composition on leaflets accompanying small labels (upto 250 ml size container)
3b	Introductory para about the pesticide
3c	Detailed directions concerning usages

3d	Time of application
3e	Application equipment
3f	Waiting Period
3g	Symptoms of poisoning
3h	First aid measures
3i	Antidote & treatment
3j	Restriction, if any
3k	Instruction for storage
3l	Information regarding disposal of used packages.
4a	Type of packaging (Packaging material)
4b	Data on Container Content compatibility
5	Manner of packaging
5a	Specification for primary package
5b	Specification for secondary packaging.
5c	Specification for transport packaging.
6	Manner of labeling
7	Performance of container during storage stability test
8	Transport Worthiness Test

Sub category 3.13: Guidelines for Registration of Technical for Indigenous Manufacturing (TIM) where Pesticides Formulation is registered for Import without registering its Technical:

(Approved by the Registration committee in its 359th RC meeting held on 02.11.2015)

In view of the para 47(b) of the interim Order dated 05.09.2013 and 28.03.2014 passed by Hon'ble High Court of Gujarat in SCA No. 2530 of 2011 and Miscellaneous Civil Application No. 2483 of 2013, the following draft Guidelines are proposed:

1. An application may be submitted for registering of a pesticides Formulation for Import under section 9(3) of the Insecticides Act, 1968, without registering its Technical.
2. The data requirement for registration for "Technical for Indigenous Manufacture" (TIM) contained in a 'Formulation registered for Import' (FI) without registering the "Technical" will be enumerated by the "Registration Committee" (RC) under a new category for registration called "TIM vs FI". Any applicant desirous of registration of the "Technical for Indigenous Manufacture (TIM)" with respect to a registered 'Formulation for Import (FI)' without registration of its Technical, will be required to submit bridging data on shelf-life and packaging and also any other data which the RC may deem fit, and may include data on bio-efficacy and toxicity, based on trial in India and chemical comparison of the Technical grade pesticides.
3. A certificate of Registration of the Technical for Indigenous Manufacture (TIM) will be considered for approval immediately upon evaluation of the data required under the 'TIM vs FI' category by the Registration Committee.
4. In compliance with interim orders of the Hon'ble High Court of Gujarat, dated , 05.09.2013 in WP No. 2530 of 2011 & others, no technical grade pesticide in the formulation registered under the FI category shall be considered as 'deemed to be registered'.
5. In compliance with the orders of the Hon'ble High Court of Gujarat, dated , 28.3.2014 in MCA No. 2483 of 2013 and others , pre-registration verification of the chemical composition of the 'Technical' in the pesticide Formulation sought to be registered will be mandatory prior to grant of any such registration. As such, the applicant desirous of registration for 'Formulation for Import' will mandatorily be required to submit a sample of the technical grade material for evaluation in the Central Insecticides Laboratory (CIL) , Faridabad.
6. The Registration Committee will be frame and adopt Guidelines on similar lines for registration of 'Technical for Import' where 'Formulation Indigenous Manufacture' has been registered without registering the 'Technical'.
7. All pending cases for registration of 'Technical for Indigenous Manufacture' in respect of already registered FIs will be subjected to the same procedures in accordance with the Guidelines for "TIM vs FIs".

S. No.	Parameter	TIM vs FI-WRT*/ FIM-WRT*	TI vs FIM*
A. CHEMISTRY			
1	Source of Supply of Technical	NR	R
2	Chemical Composition	R	R
2a.	Chemical Identity of technical	R	R
2b.	Physico - Chemical Properties of pesticides/AI	R	R
2c.	Physico - Chemical Properties of adjuvant	R	R
3.	Technical Bulletin	NR	R
4.	Specification of the product	R	R
5.	Method of Analysis of Active ingredients and its impurities	R	R
6.	Analytical Test Report as per specification	R	R
7.	Identification & Quantification of identifiable Impurities with relevant chromatogram, spectra etc.	R	R
8.	Shelf-life claim	R	R
9.	Shelf-life Data	R	R
10.	Establishment of Chemical Equivalence with relevant chromatogram, spectra etc.	R	R
11.	Process of Manufacture (1st step onward)	R	R
12.	Information about Raw Materials Used and their name, formula,	R	R
12.a.	Source of Supply of raw material	R	R
12.b.	Chemical Equation	R	R
12.c.	Formula of impurities etc	R	R
12.d.	Flow sheet diagram of process of manufacture	R	R
12.e.	Effluent Treatment method	R	NR
13.	Documents such as registration certificate, notarized photocopy containing registered Chemical composition (OR any other legal documents containing Chemical composition of Technical) in the country of origin or	NR	R

	authentic proof of Chemical composition approved by the Govt. agency		
13.a.	Certificate from DNA of respective country	NR	R
13.b.	Certificate of manufacturing license if issued or any other approval under any Govt. regulation to support that applicant is a manufacturer.	R	R
14.	Certificate from manufacturer that the dealer/ trader is an authorized dealer/ trader of the manufacturer.	NR	R
15.	A test report about the quality of the product from a laboratory as per GLP scheme or from a company of ISO-9000. This requirement will be provided along with first consignment. Thereafter, each consignment should have proper analytical test report of the manufacturer.	NR	R
16.	The applicant should provide sample along with standards technical sample from the principals/ authorized dealers for chemical verification. In case of technical grade pesticides u/s 9(3), samples of std. impurities are also to be provided for chemical verification. In process sample to be provided in case of indigenous manufacture of technical u/s 9(3) TIM & 9(4) TIM with undertaking.	R	R
17.	Methodology for residue estimation as per BIS format.	R	R
	FI* Registration of Formulation Import (FI) without registration of its Technical in to India. FIM* Registration of Formulation Indigenous Manufacture (FIM) without registration of its Technical in to India. TIM= Technical Indigenous Manufacture TI= Technical import		
B. BIOEFFICACY			
18.a.	Bio-effectiveness	R+	R+
18.b.	Phytotoxicity	R+	R+
19.	Residues in plant	R^	R^
C.	TOXICITY		
20.	Acute oral in rat	R	R
21.	Acute dermal	R	R

22.	Acute inhalation	R	R
23.	Primary skin irritation	R	R
24.	Skin Sensitization Test	R	R
25.	Irritation to mucous membrane	R	R
26.	Mutagenicity	R	R
27.	Medical data	R	R
28.	Health records of Industrial workers.	NR* /R**	NR*/ R**

NR* : If Manufacturing unit is new ; R** : If manufacturing unit is already existing/manufacturing

Note : The corresponding footnotes of the “Guidelines for Data Requirements for Registration of Chemical Pesticides under Various Categories for Agricultural Purposes” shall apply to this guideline, unless otherwise specified herein.

Refer to ‘toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.

D.	PACKAGING		
28.	Labels and leaflets as per IR-1971 existing norms (i) for size 250 ml & below (ii) for 500 & above.	R	R
29.	Labels to contains	R	R
29.a.	Detailed Chemical composition	R	R
29.b.	Purpose for import / manufacture.	R	R
29.c.	Antidote	R	R
29.d.	Toxicity triangle	R	R
29.e.	Cautionary statement	R	R
29.f.	Brief direction concerning usages	R	R
29.g.	Restriction if any	R	R
30.	Leaflets to contains	R	R
30.a.	Detailed Chemical composition on leaflets accompanying small labels (up to 250 ml size container)	R	R
30.b.	Introductory para about the pesticide	R	R
30.c.	Detailed directions concerning usages	R	R
30.d.	Symptoms of poisoning	R	R
30.e.	First aid measures	R	R

30.f.	Antidote & treatment	R	R
30.g.	Restriction, if any	R	R
30.h.	Instruction for storage	R	R
30.i.	Information regarding disposal of used packages.	R	R
31.	Type of packaging (pkg material)	R	R
32.	Manner of packaging	R	R
33.	Specification for primary package	R	R
33.a.	Specification for secondary packaging.	R	R
33.b.	Specification for transport packaging.	R	R
34.	Manner of labelling	R	R
35.	Container Content compatibility data	R	R
36.	Performance of container during storage stability tests.	R	R
37.	Transport worthiness test data	R	R

Sub category 3.14: Guidelines for registration of TIM (by the original registrant under Formulation Import (FI category) u/s 9(3)

(Approved by the Registration committee in its 389th RC meeting held on 15.06.2018)

Discipline	Data Requirement
(A) General/Legal;	
	(i) Statutory Form-1
	(ii) Agreement of Technology transfer in India
	(iii) Letter of consent from original source/Sponsor of the supplier for utilization of data submitted for registration under FI category.
	(iv) Letter of confirmation/undertaking from original FI registrant for product manufactured at new manufacturing site is of same specifications & quality as that of the registered source for which the data was submitted.
	(v) Affidavit/Declaration confirming the same registered chemical composition.
	(vi) Undertaking/Agreement for adhering to the same manufacturing process provided by original manufacturer under technology transfer.
	(vii) Rational for approval of additional manufacturing site in India.
(B) Chemistry;	
	(i) Same as "A" above
	(ii) Drawl of in-process sample manufactured at the proposed additional source in line with 9(3) & (4) registration drawn sample should be submitted along with the respective reference standards to the CIL for testing & verification.
	(iii) Analytical test report from GLP/NABL accredited Laboratory for identification & Quantification of its identifiable impurities (with relevant chromatogram, spectra etc.) along with other relevant analytical parameters
	(iv) Submission of Technical Sample along with standards for technical and impurities from original source for chemical verification at CIL.
	(v) The samples and the reference standards from original source should be valid at least for a period of six months from the date of delivery to the Sectt. of CIL;
	(vi) Establishment of chemical Equivalence with the date of original source submitted at the time of registration of product under FI registered for import.
	(vii) Information about Raw material used and their source of supply
	(viii) Step-wise Manufacturing Process
	(ix) Shelf Life data (by ASS test).
(C) Toxicity;	
	(i) Same as "A" above
	(ii) Information about Raw material and their source of supply.
	(iii) AMES Test
(D) Packaging;	
	(i) Same as "A" above
	(ii) Type and manner of packaging.
	(iii) Container content capabilities report.
	(iv) Performance of container during storage stability test.
	(v) Transport worthiness test.
	(vi) manner of labelling strictly in compliance with relevant provision of Insecticide Act. 1968 & rule 1971.
	(vii) Shelf-Life data (by ASS test).

Abbreviations:

TIM: Technical Indigenous

Manufacture; FI: Formulation Import;

Sub category 3.15: Guidelines for The Registration of Manufacture Use Product (MUP) for Indigenous Manufacturing / Import of Pesticide U/S 9(3)

(Approved by the Registration Committee in its 399th RC meeting Vide agenda item no. 9.3.1)

Note:-

1. If the technical grade pesticide from which MUP is to be prepared is not registered, complete data with respect to product Chemistry (along with sample and reference standard of technical grade pesticide and impurities), Bio-efficacy, Toxicity and Packaging as per the applicable guidelines for registration of technical should be submitted.
2. If the technical grade and source for import is duly registered as per guidelines of the Registration Committee, data on MUP to be submitted as listed below.
3. Rationale for Indigenous manufacture / import of the MUP to be submitted in Chemistry, Bio-efficacy, Toxicity and Packaging folders.

Note: 2. For Manufacturing Use Product (MUP) of pesticide u/s 9(3) (Other than fruit ripening agent):

- a. If the technical grade pesticide is not registered, complete data with respect to product technical on Bio-efficacy as per guidelines for technical import u/s 9(3) to be submitted along with data on MUP as listed below.
- b. If the technical grade and source for import is duly registered as per guidelines of the registration committee, no data on Bio-efficacy will be required except Registration status of MUP in foreign countries.
- c. Rationale for import and registering the MUP to be submitted in Bio-efficacy.

S. No	Parameter
A.	Chemistry
1.	Source of Supply of Technical
2.	Chemical Composition of MUP
3.	Chemical Identity
4.	Physico - Chemical Properties
5.	Technical Bulletin (applicable in case of Import)
6.	Copy of RTT permit (applicable in case of Import)
7.	Specification
8.	Method of Analysis
9.	Analytical Test Report
10.	Shelf-life claim
11.	Shelf-life Data

12.	Documents such as registration certificate / Certificate of DNA /manufacturing licence or any other approval under any Govt. regulation will be acceptable to support that manufacturer is actual producer (in case of import).
13.	Certificate from manufacturer that the dealer/ trader is an authorized dealer/ trader of the manufacturer (in case of import).
14.	A test report about the quality of the product from a laboratory as per GLP scheme. This requirement will be provided along with first consignment. Thereafter, each consignment should have proper analytical test report of the manufacturer (in case of import).
15.	The applicant should provide sample along- with standard technical sample from the principals/ authorized dealers for chemical verification.
B.	Bio-efficacy
1.	Persistence in soil
2.	Persistence in water
3.	Registration status of Manufacturing use product (MUP) in foreign countries
C.	Toxicity
1.	Acute oral Rat
2.	Acute Dermal- Rat / Rabbit
3.	Acute inhalation-Rat
4.	Primary Skin Irritation- Rabbit
5.	Acute Eye Irritation- Rabbit
6.	Skin Sensitization Test
7.	Mutagenicity
8.	Medical data
9.	Health records of Industrial workers
NR*: If Manufacturing unit is new ; R**: If manufacturing unit is already existing/manufacturing Note : The corresponding footnotes of the “Guidelines for Data Requirements for Registration of Chemical Pesticides under Various Categories for Agricultural Purposes” shall apply to this guideline, unless otherwise specified herein. Refer to ‘toxicity data requirements for chemical pesticides’ of ‘guidance document on toxicology for registration of chemical pesticides in India.	
D.	Packaging
1.	Labels / Leaflets (Ls/Ls) as per the Insecticides Rules, 1971.
2.	Type of packaging
i	Information about packaging material proposed of the product.

ii	Container Content Compatibility data.
3.	Manner of packaging
i	Information regarding filling, sealing of closure system, pilfer proofness, leak proofness on primary, secondary and transport packaging.
ii	Specification of Primary, secondary and transport packaging.
4.	Transportation: undertaking for safe storage handling and transportation of the product.
5.	Manner of labeling
i	Information as per provisions of section 18 & 19 of Insecticides Rules, 1971
ii	Instructions for storage and use including precautionary measures.
iii	Instruction regarding disposal of used material and washing of Insecticides should be proposed.
iv	Information on disposal of empty used containers
6.	Transport Worthiness Test report for the proposed packaging system.
7.	Performance of containers report during the storage stability tests.

Sub category: 3.16. Guidelines for registration of pesticides for Technical Import from New Source (TI-New Source) v/s against the molecule registered under FIM-WRT, FI-WRT and TI U/S 9(3).

(Approved by the Registration Committee in its 470th RC meeting held on 23.03.2026)

S. No.	Parameter	Requirement
1	2	3
A.	Chemistry	
1.	Name of source of supply of Technical	R
a.	Office address of the Source of Manufacturer with documentary evidence with geo tagging details.	R
b.	Manufacturing/factory address of the Manufacturer with documentary evidence with geo tagging details.	R
c.	Copy of registration certificate in the exporting country (Where technical is not granted regn. Proof of registered chemical composition is required) *	R
d.	Documentary evidence of manufacturing address to prove that the manufacturing address belongs to the manufacturer with geo tagging details.	R
e.	Copy of manufacturing license of the manufacturer, (In case license of manufacturing of technical is not issued in the exporting country then a notification from the exporting country that the manufacturing license is not issued to the manufacturer in the country as per law).	R
2.	Detailed Chemical Composition	R
a.	Chemical Identity & Physico - Chemical Properties of technical (Molecule).	R
b.	Physico - Chemical Properties of all adjuvants	R
c.	IUPAC name, CAS name & CAS no of Raw materials/adjuvants.	R
d.	Technical Bulletin of the product.	R
3.	Specification of the product in BIS format.	R
a.	Method of Analysis of active ingredients, impurities and adjuvants separately.	R
b.	Analytical Test Report	R
c.	Identification & Quantification of identifiable Impurities from GLP lab (Current 5 Batch)	R
4.	Shelf-life claim	R
5.	Shelf-life Data from GLP lab	R
6.	Establishment of Chemical Equivalence	NR
7.	Process of Manufacture in details	R
7.1	Information about Raw Materials Used & their Source of Supply	R
7.2	Step-wise Manufacturing Process, conditions etc.	R
7.3	Route of formation of impurities, chemical reaction and flow chart diagram.	R
7.4	IUPAC name, CAS name, CAS no., chemical structure, molecular weight of known/detected Impurities.	R

7.5	Manufacturing Chemical Equation in detailed with molecular balancing.	R
7.6	Chemical Formula of all raw material, stepwise products formed etc. with molecular mass and recovery of resultant.	R
7.7	Detailed flow sheet diagram of process of manufacture with conditions such as temp. duration etc.	R
7.8	Effluent Treatment method	R
8.	Documents such as registration certificate / Certificate of DNA giving detailed CC, Manufacturing license or any other approval under any Govt. regulation will be acceptable to support that manufacturer is actual producer.	R
9.	Certificate from manufacturer that the supplier is an authorized supplier of the manufacturer, wherever applicable.	R
10.	A test report about the quality of the product from a laboratory as per GLP scheme. This requirement will be provided along with first consignment. Thereafter, each consignment should have proper analytical test report of the manufacturer from GLP lab.	R
11.	The applicant should provide sample through drawl of sample along-with standards sample from the principals/ authorized supplier for competency & chemical verification. In case of technical grade pesticides u/s 9(3), samples of std. impurities are also to be provided for chemical verification. An undertaking is also to be submitted by the importer for readiness for drawl of in-process sample from the manufacturer.	R
12.	Methodology for residue estimation as per BIS format.	R
B.	Bioefficacy	
13.	Bio-effectiveness*	R (2 seasons data on each crop mentioned in labels / leaflets at least at 2 climatic zones)
14.	Phytotoxicity*	
15.	Effect on parasites & predators	NR
16.	Translocation in plants	NR
17.	Metabolism in soil	NR
18.	Metabolism in water	NR
19.	Metabolism in plant	NR
20.	Persistence in soil	NR
21.	Persistence in water	NR
22.	Persistence in plant	NR
23.	Compatibility with other chemicals, if claimed	NR

24.	Residues in plant	R (on representative crop of each group on which pesticide is approved, data for 2 years / seasons from one location for herbicides and repeatedly used fungicides /insecticides at same location). For insecticides and fungicides data for one season from two agro climatic locations.
25.	Residues in soil	R [same as for residue in plant]
26.	Residue tolerance limits fixed by foreign countries	NR
27.	Cost benefit ratio	NR
28.	Registration status in foreign countries	NR
	NOTE: Bio-effectiveness & Phyto-toxicity data to be submitted on all registered formulations of same technical as per RC guidelines on all approved crops at the time of issue of import permit provided the application for registration is received within 4 years of issue of import Permit (313th RC decision). No exemption is allowed in any condition. For herbicides data on effect on Physico-chemical and biological properties of soil and effect on normally cultivated succeeding crops are to be submitted along with residue studies.	
C.	Toxicity	
29.	Acute oral in rat	R
30.	Acute dermal	R
31.	Acute inhalation	R
32.	Primary skin irritation	R
33.	Irritation to mucous membrane	R

34.	Skin sensitization	R
35.	Sub-acute oral rat 28 day (Dose range finding)	R
36.	Sub-acute oral rat 90 days	R
37.	Sub-acute dermal	R
38.	Sub-acute inhalation	R
39.	Neuro-toxicity	NR
40.	Synergism & potentiation	NR
41.	Teratogenicity	NR
42.	Effect on reproduction	NR
43.	Carcinogenicity	NR
44.	Metabolism in Rat	NR
45.	Mutagenicity (AMES test, any two In Vitro and one In Vivo Test)	R
46.	Toxicity to birds	R
47.	Repeated dose Avian toxicity (One species)	R
48.	Acute Toxicity- Earthworm	R
49.	Toxicity to fish	R
50.	Toxicity to honeybees (Oral & Contact)	R
51.	Metabolism to live stock	NR
52.	Medical data of industrial workers	R
53.	Human toxicity information from foreign countries	R
54.	Observation in man (Health records of spray operators)	NR
55.	Health records of Industrial workers (a certificate from exporter)	R
56.	Toxicity to live stock (Field trial & observation)	NR
57.	International report on carcinogenicity & genotoxicity status	NR
D.	Packaging	
58.	Labels and leaflets as per IR-1971 existing norms (i) For size 250 ml & below For 500 & above.	R
59.	Labels to contents	R
a.	Detailed Chemical composition	R
b.	Purpose for import / manufacture.	R
c.	Antidote	R
d.	Toxicity triangle	R
e.	Cautionary statement	R

f.	Brief direction concerning usages	R
g.	Restriction if any	R
60.	Leaflets to contain	
a.	Detailed Chemical composition on accompanying leaflets small labels (up to 250 ml size container)	NR
b.	Introductory para about the pesticide	R
c.	Detailed directions concerning usages	NR
d.	Time of application	NR
e.	Application equipment	NR
f.	Waiting Period	NR
g.	Symptoms of poisoning	R
h.	First aid measures	R
i.	Antidote & treatment	R
j.	Restriction, if any	R
k.	Instruction for storage	R
l.	Information regarding disposal of used packages.	R
61.	Type of packaging (pkg material + compatibility with content)	R
62.	Manner of packaging	R
a.	Specification for primary package	R
b.	Specification for secondary packaging.	R
c.	Specification for transport packaging.	R
63.	Manner of labelling	R
64.	Performance of container during storage stability test	R
65.	Transport worthiness test	R

*For proof of Chemical Composition (Where Chemical Composition is not published on the certificate of registration) the documents may be accepted: Such as apostille/notarized copy of application form containing Chemical Composition submitted to the regulatory authority in the exporting country with a undertaking by the source that their source can be cancelled without any notice, if their Chemical Composition is found different from the registered one at the time of registration.

Note: Data requirements of chemical pesticides are also applicable for registration of chemical plant growth regulators.

Abbreviations: R: Required; NR: Not Required; TI: Technical Import

FI-WRT: Formulation Import Without Registering Technical; FIM-WRT: Formulation indigenous manufacturing without Registering Technical\

CATEGORY: 4. GUIDELINES FOR THE GRANT OF REGISTRATION OF
BIOPESTICIDES UNDER VARIOUS CATEGORIES
FOR AGRICULTURAL PURPOSES

Sub category: 4.1. Guidelines for the registration of microbial based pest control agents

General requirements for Bio-pesticides/ Microbial Pest Control Agents (MPCA)

1. The applicant needs to submit MOU/license agreement between the applicant and the inventor (either own R&D Laboratory or outsourced Research Institute/Facility) or Authorization letter from the inventor of strain OR undertaking by the applicant about the name of inventor/source of strain as per **Annexure-I**.
2. Undertaking declaring that the product is free from Chemical pesticides/Botanicals pesticides/Other Agro-Chemicals as **Annexure-II**.
3. Undertaking on bio-pesticides composition as **Annexure-III**.
4. Updated stakeholder list for all members in Association / Organization claiming for MOU/authorization for data/technology utilization for mass multiplication/commercialization of the strain, **if applicable**.
5. Form-I dully filled and signed giving complete details along with requisite fee as applicable.
6. Notarized copy of BOD Resolution/ affidavit in case of proprietor/ partnership deed in case of partnership firms.
7. Correct composition as per earlier 9(3) / 9(3B) registrant of bio-pesticide strain.
8. The applicant should also, submit notarized copy of the Permanent Account No. (PAN), allotted by the Income Tax Department.
9. In case of company, the Certificate of Incorporation granted by the Registrar of Companies.
10. Fee receipt issued by NBAIM, Maunath Bhanjan, UP after submission of sample for DNA verification.
11. Undertaking that the product is free from GMO as **Annexure-IV**

The Data Requirements for Microbial Pest Control Agents (MPCA) Pesticides

- i) Entomo-pathogenic/ Entomo-toxic Bacteria
- ii) Antagonistic Bacteria
- iii) Entomo-pathogenic Fungi
- iv) Antagonistic Fungi
- v) Nuclear Polyhedrosis Virus (NPV) & Granulosis Virus (GV)

A. Chemistry:

Sl. No.	Characteristics	Microbial (Antagonistic bacteria, Entomo-pathogenic/Entomo-toxic bacteria, Entomo-pathogenic fungi, Antagonistic fungi, and Baculovirus)			
		Primary/Mother Culture#		Formulated product	
		9(3B)	9(3)	9(3B)	9(3)
1.	Systematic name (Genus and species)	R	R	R	R
2.	Strain name	R	R	R	R
3.	Common name, if any	R	R	R	R
4.	Source of origin	R	R	R	R
5.	Specification of the product containing Habitat, Physical appearance and morphological description, pH, particle size, suspensibility, miscibility etc parameters	R	R	R	R
6.	Isolation of strain & Manufacturing process	R	R	R	R
7.	Methods of analysis including Quantitative analysis	R*	R*	R*	R*
8.	Shelf life claims	R	R	R	R
9.	Data on storage stability as per shelf Life claims	NR	R	NR	R
10.	Composition of the product	R	R	R	R
11.	Potency of product by bioassay method (LC 50 (Beta, Delta, Cry toxin endotoxin content, classification(delta endotoxin)	NR#	NR#	NR#	NR#
12.	CFU/g or ml	R	R	R	R
13.	POB/Capsule count per ml/g of the product	R%	R%	R%	R%
14.	Adjuvants	NR	NR	R	R
15.	Human pathogens (culture method)	R	R	R	R
16.	Percent content of the Bio-control mass/organism in the formulation & nature of biomass.	R	R	R	R

17.	Percentage of carrier/filler, wetting/ dispending agent, stabilizers/ emulsifiers, contaminants/ impurities etc.	R	R	R	R
18.	Moisture content	R	R	R	R
19.	Contaminants: Pathogenic contaminants such as Salmonella, Shigella, Vibrio and such other microbial, not to exceed 1×10^4 count per ml or per g of formulation.	R	R	R	R
20.	Undertaking for free from Chemical and botanical pesticide contaminants	R	R	R	R
21.	Natural occurrence of the organism	R	R	R	R
22.	PCR / Immunology assays ELISA Test	NR ^{\$}	NR ^{\$}	NR ^{\$}	NR ^{\$}
23.	Separation and purification of crystals	NR	NR	NR	NR
24.	A sample for verification (500 [@] g or 500 [@] mL as the case may be)				
	a. DNA fingerprinting for the strain verification from NBAIM, Maunath Bhanjan.	R	R	R	R
	b. Pre-registration verification at Central Insecticide laboratory (CIL)	R	R	R	R

Note: In case of first-time registration of any strain if not proposed to be used in the field, Chemistry data is not required.

*Test procedure and criteria used for identification – morphology, biochemistry, serology/ Immunology for Entomo-toxic-bacteria.

- # and \$ these parameters are required for Entomo-toxic bacteria.
- % these parameters are required for Virus.
- @ Two samples of same batch of 500 gm/ml each along with copy of the Fee receipt shall be submitted to Central Insecticides Laboratory, Faridabad for PRV purpose by the applicant for Entomo-toxic bacteria.
- POB/Capsule count per ml/g of the product only for NPV.
- Viral unit: NPVs 1×10^9 POB/ml or gm. minimum, GVs: 5×10^9 capsules /ml or gm minimum.
- Dual culture to attain at least 50% reduction in target organism (35% for antagonistic bacteria). Bioassay: based on diseased severity and root colonization.
- Natural occurrence of the organism, Immunology assays: Elisa and Separation and purification of crystals are required for Entomo-toxic bacteria.
- Test procedure and criteria used for identification by DNA test (Restriction enzymes analysis test).
- Biological assays for determining the LC₅₀ / LD₅₀ of the formulation for Entomo- pathogenic Viruses. Production of Entomo-pathogenic Viruses at commercial- scale was done exclusively *in-vivo* by culturing large number of larvae of host insect and subsequently feeding them with semi-synthetic diet contaminated with virus inoculums in laboratory. Viruses' production *in-vitro* by culturing insect cells in bioreactors was a substitute for labor intensive maintenance of the massive host-insect colony.
- Manufacturing process including type of fermentation and biological end products. The microbial cultures are multiplied by liquid solid fermentation. Information pertaining to use of entire mycelia mats with spores separated must be provided in terms of biomass.

Documents to be mandatorily furnished by applicant applying u/s 9 (3)/ 9(3b) for all categories of bio pesticides

1. Verification of the Authorization letter submitted by the applicant via e mail by Secretariat from the original inventor/source of the strain for data utilization for mass multiplication.
2. MOU/license agreement between the applicant and the inventor (either own R&D Laboratory or outsourced Research Institute/Facility) or Authorization letter from the inventor of strain OR undertaking by the applicant about the name of inventor/source of strain as per **Annexure-I**
3. Updated Stakeholder list for all members in Association/ Organization claiming for MOU/authorization for data /technology utilization for mass multiplication/commercialization of the strain.
4. Relevant Affidavit/Undertakings:-
 - a) Affidavit on bio-pesticide composition on NJSP duly notarized.
 - b) Notarized copy of depositing microbial bio-pesticides strain sample in National Repository with reference code number.
 - c) Undertaking on NJSP duly notarized that product do not contain any genetically modified organism in the prescribed format.
 - d) Undertaking on NJSP duly notarized that product is free from chemical/botanical pesticides / other agro-chemicals.
 - e) Affidavit of strain Innovator or applicant
 - f) Copy of 9(3B) Registration certificate, if relevant.

Note:

1. Bt products should be labeled with bio potency and (or) toxin content. In addition, the labels will have to contain a measurement of toxin protein as percent protein, referring to the Lepidopteran-active toxin(s) present in the crystal.
2. The presently used Bt var. kurstaki standard is HD-1-S-1980 and its potency was calculated at 16,000 IUs per milligram of powder (Beegle et al. 1986. Standardization of HD-1-S-1980: US Standard for Lepidopterous-active *Bacillus thuringiensis*. Bulletin Ent. Soc. America 32: 44-45.). This standard strain is now available with PDBC, Bangalore and DOR, Hyderabad.
3. Defined potency and toxin concentration – Bioassay would require the use of an insect species. Normally manufacturers could select *Trichoplusia ni*/ *Helicoverpa armigera* for Lepidopteran specific Bt formulations. *Spodoptera* Units (SPU), *Leptinotarsa* Units (LTUs) or International Toxin Units (ITUs) are to be used for denoting a specific insect.
4. No test for beta exotoxin is required for *Bacillus sphaericus*, because this species is not known to produce exotoxins.
5. The bio-potency of products based on *B. thuringiensis* subsp. *Israelensis* (*Bti*) is compared

against a reference strain IPS82, 1884 using early fourth-instar larvae of *Aedes aegypti* (strain Bora Bora). The toxicity of IPS82 has an arbitrarily assigned toxicity of 15,000 ITU/mg powder.

6. The biopotency of products based on *B. sphaericus* (*Bsh*) is determined against a reference standard SPH88, strain 2362 using early fourth-instar larvae of *Culex pipiens* (strain Montpellier). The toxicity of SPH88 has an arbitrarily assigned toxicity of 1,700 ITU/mg of the powder (Guidelines for laboratory and field testing of mosquito larvicides, WHO 2005 pp45).
7. The use of alternative bacterial reference powders and / or strains must be approached cautiously. Such alternatives must be the subject of careful cross- calibration against the reference powders and should be conducted by recognized laboratories and should be made available to anyone who wishes to use, or check, the test with the alternative powders/strains.
8. Water content should not exceed 8 %, (12% in *Pseudomonas spp*) to preclude premature degradation of the product.

Sub category 4.1.1: Guideline for already registered formulation/Strain u/s 9(3) under the IA, 1968

Applicant shall submit only one folder containing the following documents:

- I. Form-I duly filled and signed giving complete details along with requisite fee as applicable.
- II. Notarized copy of BOD Resolution/ affidavit in case of proprietor/ partnership deed in case of partnership firms.
- III. Correct composition as per earlier 9(3) registrant of bio-pesticide strain.
- IV. The applicant should also, submit notarized copy of the Permanent Account No. (PAN), allotted by the Income Tax Department.
- V. In case of company, the Certificate of Incorporation granted by the Registrar of Companies.
- VI. Authorization letter from the inventor of strain OR undertaking by the applicant about the name of inventor/source of strain as per **Annexure-I**.
- VII. Requisite number of stamp and envelopes.
- VIII. Copies of Label Leaflets of the product as approved by RC of already registered strain.
- IX. Copy of letter of Accession No. of strain or information on Accession number of strain.
- X. Undertaking declaring that the product is free from Chemical pesticides/Botanicals pesticides/Other Agro-Chemicals as **Annexure-II**
- XI. One sample of 500 gm/ml quantity shall be deposited to NBAIM, Maunath Bhanjan for test relating to DNA fingerprinting particularly partial gene code sequencing of desired strain and a fee may be paid directly to NBAIM through DD or online.
- XII. Original fee receipt issued by NBAIM, Maunath Bhanjan, UP.
- XIII. Undertaking that the product is free from GMO as **Annexure-IV**
- XIV. Undertaking on bio-pesticides composition as **Annexure-III**
- XV. Toxicology data shall be accepted from Non-GLP laboratory also for encouraging of new strain registration/any new or repeat studies for old strain. This decision shall be applicable to all categories of bio-pesticide registration, henceforth. The applications under scrutiny in the Secretariat of CIB&RC are also covered under this decision.
- XVI. A sample of 500 gm/ml shall be deposited in the Secretariat of CIB&RC along with File/documents for PRV purposes.
- XVII. The above folder shall be scrutinized by the Chemistry division of the Secretariat of CIB&RC.
- XVIII. No preliminary scrutiny is required for already registered strain of bio- pesticides.
- XIX. A letter may also be written by the Secretariat of CIB&RC to the Director, NBAIM, Maunath Bhanjan, UP for submitting the DNA finger print report directly to the Secretariat of CIB&RC, certifying that the DNA of strain submitted by the applicant (Strain No.) matches with original Strain or otherwise.
- XX. RC also decided that any government laboratory willing to undertake such studies on the terms and conditions as approved by the committee may request Secretariat of CIB&RC so as to seek approval from RC.

AFFIDAVIT ON BIO-PESTICIDE STRAIN BY INVENTOR OR APPLICANT

I, ... S/o, aged years, resident of and Proprietor/Authorized person of the firm M/s, having its office at do hereby declare and solemnly affirms as under:

That I am in the capacity of of firm M/s do hereby declare that the information furnished with respect to composition in Form-I, Label/Leaflet and bonafide verification of the application for registration of (Name of the product)....., CFU/PBO.....per gm or ml min; Strain No. (Name and number of registered strain)..... invented by M/s is registered under section 9(3b) or 9(3) of the Insecticides Act, 1968.

1. That a shelf life of the product shall be twelve/Six/four months.
2. The product shall be packed as per IS: 8190 (Part-I) 1988 for Solid Pesticide (Second Revision).
3. That there will be no change in chemical composition, shelf-life, packaging requirement and the product will have the quality and packaging as per the relevant IS or as per specification approved by Registration Committee for 9(3b) & 9(3)registrant.

I, shall be responsible for adhering to the above composition and strain while manufacturing and marketing the product for distribution or sale. In case of any violation of the above declaration and also the conditions laid down on the Certificate of Registration of the said Bio-Pesticide, interalia, Product Quality Speciation submitted by us and also to the specification as and when the same are formulated and published by BIS amendments thereof, I am liable to be prosecuted/rejection of application under the provisions of Insecticide Act, 1968 and the Rules 1971 and amendments thereof.

Deponent

VERIFICATION

I,....., the above deponent do hereby verify that what has been declared above is true to the best of my knowledge and belief and nothing has been concealed there from.

Deponent

**UNDERTAKING FOR ABSENCES OF CHEMICAL/ BOTANICAL PESTICIDES/
CONTAMINANTS/OTHER AGRO-CHEMICALS;**

I, ... S/o, aged..... years, resident
of and Proprietor/Authorized person of the firm
M/s having its
office at

..... do hereby declare and solemnly affirms
asunder:

That the product, (Name of the product)..... formulation containing
CFU/PBO/Delta endotoxin content..... per gm or ml min, Strain code, (if
any).....Strain No: manufactured by (Name of the applicant).....
does not contain any Chemical/Botanical Pesticide/Contaminants/other Agro-Chemicals.

That I/we shall provide the samples of our product (Name of the product)
..... as and when desired by the competent Authorities of Government of
India for verification.

That my/our above undertaking is true, and no portion is false and I have concealed nothing
relevant to the above matter.

Place & date: Deponent

Signature: Name Designation:

Company Seal:

AFFIDAVIT ON BIO-PESTICIDE COMPOSITION

I, ... S/o, aged years, resident of.....and Proprietor/Authorized person of the firm M/s

....., having its office at do hereby declare and solemnly affirms asunder:

That I am in the capacity of of firm M/s do hereby declare that the information furnished with respect to composition in Form-I, Label/Leaflet and bonafide verification of the application for registration of (Name of the product), CFU/PBO.....per gm or ml min; Strain No. (Name and number of registered strain)..... under section 9(3b) or 9(3) of the Insecticides

Act, 1968 is as under:-

1. COMPOSITION: (SPECIMEN FOR Pseudomonas fluorescence WP) Components:

A.	Quantity	:	(%w/w)
a)	Pseudomonas fluorescence	:	CFU 1x10 ⁸ CFU/gm min1.0%
b)	Carboxy methyl cellulose	:	1.0%
c)	Talc Powder	:	98.0%
	Total	:	100.0%

2. That a shelf life of the product shall be twelve/Six/fourmonths.

3. The product shall be packed as per IS:8190 (Part-I) 1988 for Solid Pesticide (Second Revision).

4. That there will be no change in chemical composition, shelf-life, packaging requirement and the product will have the quality and packaging as per the relevant IS or as per specification approved by Registration Committee for 9(3b)registrant.

5. Bonafide declare that M/s, manufacturing premises proposed/located at having Registration Certificate total no., if any or Nil and manufacturing license no. if any orNil.

I shall be responsible for adhering to the above composition while manufacturing and marketing the product for distribution or sale. In case of any violation of the above declaration and also the conditions laid down on the Certificate of Registration of the said Bio-Pesticide, interalia,Product

Quality Speciation submitted by us and also to the specification as and when the same are formulated and published by BIS amendments thereof, I am liable to be prosecuted/rejection of application under the provisions of Insecticide Act, 1968 and the Rules 1971 and amendments thereof.

Deponent

VERIFICATION

I,....., the above deponent do hereby verify that what has been declared above is true to the best of my knowledge and belief and nothing has been concealed therefrom.

Deponent

UNDERTAKING BY MANUFACTURERS OF MICROBIAL PESTICIDES

I,-----,aged -----years, s/o -----, R/o-----an-----of M/s.-----
----- Registered Office at ----- do hereby undertake as follows:

That the product-----based on-----Strain No.-----, manufactured by M/s.-----
and /or imported by M/s.... does not contains any genetically modified organism (GMO) .

- a) That I/We shall abide by the provisions contained in the International Plant Protection Convention with regard to the import of this product.
- b) That I/We shall abide by the provisions in context of International Standards for Phyto-Sanitary Measures-Code of Conduct for the import and release of exotic bio- pesticidesoftheInternationalPlantProtectionConvention(IPPC),FAO,Rome/Plant Quarantine (regulation of Import into India) order,2003.
- c) That I/We shall provide the samples of our product as and when desired by the competent authorities of Government of India for verification.
- d) That I/We further undertake that in the event of the above product having proved otherwise by any competent authority and resulting in environmental damage, I/We shall inform to Plant Protection Adviser, Directorate of PPQ&S, Sectt. of Central Insecticides Board and Registration Committee, and other relevant authorities for Manufacturing Licensing, Pollution Control and of appropriate District/State/National Level and shall comply with the directions from them.
- e) That my/our above undertaking is true, and no portion is false and I have concealed nothing relevant to the above matter.

Signature: -----

Date-----

Place:-----

Name-----

Designation-&Seal of the Company-----

B. Bio-efficacy

Sr. No.	Particulars	Primary culture/mother culture		Formulated product	
		9(3B)	9(3)	9(3B)	9(3)
1	Field studies: Data on bio-effectiveness and phyto-toxicity generated at ICAR, SAUs, CSIR / ICMR institutes. The data should be certified either by the Director or Head of the Institute.	NR	NR	R**	R***
2	Laboratory studies: The product should be tested at a laboratory under ICAR/ SAU/ CSIR/ICMR. 21) LC50 values for each insect species under laboratory conditions should be generated at least at two institutes of ICAR, SAUs, CSIR and ICMR. 22) Data on LC50 values for each target insect species should be generated at a laboratory under ICAR/ SAU/CSIR/ICMR	R	R	R	R
3	Data on non-target organism: One season/one year on effect on product against natural parasites/ predators.	NR	NR	R	R

➤ **R = Required, NR = Not Required**

➤ **R** - Two seasons/years data on bio-effectiveness from two agro-climatic Zones**

➤ **R*** - Two seasons/years data on bio-effectiveness from minimum three agro climatic Zones.**

➤ **2.1) - Applicable for Entomo-toxic Bacteria**

➤ **– Applicable for NPV & GV.**

➤ **Sr. No. 3 - Required in case of Entomo-pathogenic fungi, Entomo-pathogenic Bacteria.**

Note: No bio-efficacy data required for already registered strains of Bio-pesticides.

Certificate of Registration will be granted as per approved formulation u/s 9(3)

C. Toxicity

S. No.	Parameters	Microbial (Antagonistic bacteria, Entomo-pathogenic/-Entomo-toxic bacteria, Entomo-pathogenic fungi, Antagonistic fungi and Baculo-virus			
		Primary culture/mother culture*		Formulated product	
		9(3b)	9(3)	9(3b)	9(3)
1	Single Dose Oral – Rat (Toxicity/Infectivity/Pathogenicity)	R	R	R	R
2	Single Dose Dermal – Rabbit (Toxicity/Infectivity/Pathogenicity)	R	R	R	R
3	Acute Inhalation (a)	R	R	R	R
4	Single Dose Pulmonary –Rat (b) (Toxicity/Infectivity/Pathogenicity)	R	R	R	R
5	Single Dose Intra-peritoneal–Rat (c) (Toxicity/Infectivity/Pathogenicity)	R	R	R	R
6	Single dose intravenous (d)	R	R	R	R
7	Primary Skin Irritation - Rabbit	R	R	R	R
8	Primary Eye Irritation - Rabbit	R	R	R	R
9	Skin Sensitization - Guinea pig	R	R	R	R
10	Cell culture (d)	R	R	R	R
11	Human Safety Records (Effect/Lack of effects)	NR	R	NR	R
12	Toxicity to bird (1 species) (Toxicity/Infectivity/Pathogenicity)	NR	NR	NR	R (Only 1 Species)
13	Toxicity to Fresh water Fish (Toxicity/Infectivity/Pathogenicity)	NR	NR	NR	R
14	Toxicity to Honey bees (e)	NR	NR	NR	R
15	Toxicity to Silkworm (f)	NR	NR	NR	R
16	Toxicity to Earthworm (g)	NR	NR	NR	R

*** Note: In case of first-time registration of any strain if not proposed to be used in the field, tox data is not required.**

Note

- a.** Inhalation toxicity study required for registration of entomo-pathogenic/entomo-toxic bacteria
- b.** Pulmonary toxicity study required for registration of antagonistic bacteria, antagonistic fungi, entomo-pathogenic fungi, baculo-virus
- c.** Intra-peritoneal toxicity study required for registration of antagonistic fungi, entomo-pathogenic fungi, antagonistic bacteria
- d.** Cell culture and Intravenous study required for registration of baculo-virus. e and f – required for all except antagonistic fungi
- e.** required for all except entomo-pathogenic/entomo-toxic bacteria

- ✓ No data required for already registered strain from the same source with same strain designation and accession number.
- ✓ If genome sequence of conserved region of the microbial strains/microbes used as microbial pest control agent is identical (minimum 98%) with already registered strain then data is not required from toxicity angle.
- ✓ Formulations developed from similar already registered mother culture using similar ingredient and process of manufacture then no data is required from toxicity.
- ✓ The general recommendations as mentioned in the Guidance document on Toxicology for registration of chemical pesticides in India will also be applicable for registration of Microbial Pest Control Agents (MPCA) Pesticides on merit case to case basis.
- ✓ Waiver would be considered when existing information provides robust and full scientifically sound weight of evidence approach and based on read across/bridging from structurally and /or biologically related similar pesticides, physicochemical/biological properties and use and exposure patterns case to case basis
- ✓ The replacement alternatives not involving experiments on animals would be considered and accepted in those cases where data from valid 3Rs (Replacement, Reduction and Refinement) methods recognized by OECD and other renowned Regulatory Authorities is provided wherever applicable, case to case basis.

D. PACKAGING

Sl. No.	Parameter	Primary culture/mother culture		Formulated product	
		9(3B)	9(3)	9(3B)	9(3)
1.	Labels and Leaflets as per IR-1971, all fields (as applicable) and as amended from time to time	R	R	R	R
2.	Manner of labeling and Leaflet	R	R	R	R
3.	Type of packaging (Ultra small, small or Big whichever is applicable)	R	R	R	R
4.	Manner of packaging	R	R	R	R
5.	Specification for primary, Secondary and Transport packages (whichever is applicable)	R	R	R	R
6.	Details of packaging material & its compatibility with content	R	R	R	R
7.	Performance of container with content during storage stability test(Shelf life Study)	R*	R	R*	R
8.	Transport worthiness test	R*	R	R*	R

*** Note: In case of first-time registration of any strain if not proposed to be used in the field, Packaging data is not required. R*- Before Commercialization the data will be required.**

- 1 In case of **additional packaging endorsement** applications, the data at Sl. No. 05, 06, 07& 08, are not required if similar packaging (material) and manner of packaging is being sought by the applicant as has been granted to earlier 9(3) registrant.
- 2 Specification of Bureau of Indian Standard (BIS) must be followed for all the packaging requirements (Wherever available and applicable).
- 3 All Packaging tests must be carried out with the product of same batch and in its commercial package preferably in Indian condition.
- 4 The duration of the test and the conditions including geographical conditions must be mentioned.
- 5 Storage stability data must be generated keeping at least the following parameters in test protocol viz., temperature, duration, test packaging material, content of active ingredient in the product, test humidity, exposure to light (if applicable), physical and chemical properties of the product during and after storage etc.
- 6 The testing protocols must have their basis in the WHO/FAO/ CIPAC/ASTM recommendations or other validated methodology of GLP/ NABL accredited laboratory having packaging testing chemical / mechanical as applicable etc.) in the scope.
- 7 The storage stability data for microorganisms can vary depending on the type of microbes. For Fungi, maximum storage stability study data will be 12 months at ambient temperature. For Gram negative bacteria like *Pseudomonas fluorescens* or other *Pseudomonas* species the maximum storage stability study data should be 8 months at ambient temperature. For spore forming gram positive bacteria like *Bacillus* species the maximum storage stability study data should be 18 months at ambient temperature.

Note: Additional two months' data for six months self-life claim / three months additional data for one year and six months additional data for 18 months shelf-life claim at two/three different agro climatic locations at ambient temperature along with meteorological data should be submitted.

Sub category: 4.1.2. Guidelines for the registration of Consortium of Bio-pesticides

Efficiency of bio-control agents could be increased by the development of mixture of compatible strains of different bio-control organisms by considering the following norms. While developing a consortia formulation, the following needs to be addressed:

1. Compatible strains combination that differs in pattern of plant/site of colonization.
 2. Compatible strains combination is broad spectrum of action against different plant pathogens
 3. Compatible strains combination with different modes of action under similar conditions.
 4. Compatible strains combination of genetically diverse group to adapt to different pH, moisture, temperature and relative humidity.
-
- ✓ The guidelines of Chemistry, Bio-efficacy, packaging for registration of consortia of Bio-pesticides are similar with the guidelines of Bio-pesticides except the following points.
 - ✓ Guidelines of mother culture/Primary culture of already registered bio-pesticides u/s 9(3) category are not required for registration of consortium Bio-pesticides. Only the guidelines of formulated product (Consortium) will be required. **Ratio of each strain in the formulation is required.**

1. Following toxicology guidelines for consortia of Bio –pesticides are required.

Note:

- a. Inhalation toxicity study required for registration of entomo-pathogenic/entomo-toxic bacteria
- b. Pulmonary toxicity study required for registration of antagonistic bacteria, antagonistic fungi, entomo-pathogenic fungi, baculo-virus
- c. Intraperitoneal toxicity study required for registration of antagonistic fungi, entomo-pathogenic fungi, antagonistic bacteria
- d. Cell culture and Intravenous study required for registration of baculovirus. e and f – required for all except antagonistic fungi
- e. Required for all except entomo-pathogenic/entomo-toxic bacteria

Note:-

- a.** If genome sequence of conserved region of the microbial strains/microbes which are used in consortia of Bio-pesticides to be used as microbial pest control agent is identical (minimum 98%) with already registered strain, then data is not required for mother culture but data is required for combination/consortia from toxicity angle.
- b.** If any new formulation of microbes is made by using new ingredients with different processes of manufacture than data is required for the formulation.
- c.** If any new combination/consortia /Mixture of microbial strains/microbe developed from already registered microbial strain than data is required only for the mixture and not for mother cultures from toxicity angle.

List of Fungi, Bacteria and Viruses for Consortia (Any new MPCA {Bio-pesticides} other than the list could be developed as Consortia after inclusion in Schedule)

S. No.	Name of the bio-pesticides
1.	<i>Trichoderma</i> spp.(<i>T. viride</i> / <i>T. asperellum</i> , <i>T. harzianum</i> , <i>T. virens</i> etc.)
2.	<i>Gliocladium virens</i> <i>T.virens</i>
3.	<i>Ampyliomyces quisqualis</i>
4.	<i>Coniotyrium minitans</i>
5.	<i>Chaetomium globosum</i>
6.	<i>Aspergillus niger</i> (non-pathogenic/biotype)
7.	<i>Bacillus subtilis</i>
8.	<i>Pseudomonas fluorescens</i> , <i>P. protegens</i> , <i>P. entomophila</i> ,
9.	<i>Streptomyces griseoviridis</i>
10.	<i>Streptomyces lidicus</i>
11.	<i>Agrobacterium radiobacter</i> K84
12.	<i>Beauveria bassiana</i>
13.	<i>Metarrhizium anisopliae</i>
14.	<i>Nomuraearileyi</i> , (New name: <i>Metarhiziumrileyi</i>)
15.	<i>Verticillium lecanii</i> , (New name: <i>Lecanicilliumlecanii</i>)
16.	<i>Verticillium chlamydosporium</i> , (New name: <i>Pochonia chlamydosporium</i>)
17.	<i>Paecilomyces lilacinus</i> , (New name: <i>Purpureocilliumlilacinum</i>)
18.	<i>Myrothecium verrucaria-nematicide</i>
19.	<i>Bacillus</i> species (includes <i>Bacillus sphaericus</i> (syn: <i>Lysinibacillus</i> , <i>Bacillus thuringiensis</i> var. <i>galleriae</i> , <i>Bacillus thuringiensis</i> var. <i>israelensis</i> , <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> , <i>Bacillus thuringiensis</i> var. <i>tenebrionis</i> , <i>Bacillus thuringiensis</i> var. <i>sandiego</i> , <i>Bacillus thuringiensis</i> var. <i>tolworthi</i> , <i>Bacillus firmus</i> and <i>Bacillus albus</i>).
20.	Granulosis Viruses (GV)
21.	Nuclear Polyhedrosis Viruses (NPV) (includes <i>Spodoptera litura</i> NPV, <i>Spodoptera frugiperda</i> NPV, <i>Heicoverpa armigera</i> NPV, <i>Spodoptera mauritia</i> NPV, <i>Mythimna separata</i> NPV,

A. INDIAN STANDARDS ANTAGONISTIC FUNGI -DRAFT SPECIFICATIONS

1. Form and appearance
2. pH
3. Composition
 - a. CFU/g of the product
 - b. Percent loading content of the Bio-control organism in the formulation & nature of biomass.
 - c. Percentage of carrier/filler, wetting/ dispersing agent,
 - d. Stabilizers/ emulsifiers, contaminants/ impurities etc.
 - e. Moisture content
 - f. CFU counts: *Trichoderma* 2×10^6 CFU/ml or gm min. (Stability at 30°C and 65%RH).
4. Contaminants:
 - a. Biological Contaminants:
 - b. Pathogenic Contaminants: such as gram negative bacteria *Salmonella*, *Shigella*, *Vibrio* etc.: **absent**
 - c. Other contaminants should not exceed 1×10^4 /ml org
 - d. Chemical/ botanical pesticides contaminants: **absent**.
5. Method of analysis:
 - a. CFU counts by serial dilution and examination under regular compound research microscope with bright field optics.
 - b. Plating for contaminants on specific media
 - c. Antagonistic mycolytic capability on target organism by bioassay on plants (Laboratory test).
 - d. Bioassay procedure based on diseased severity and root colonization as detailed in Appendix-I

Bioassay for plant disease antagonists based on disease severity and root colonization.

- ✓ The target pathogen to be tested against has to be grown in Sand maize medium. The Sand-maize medium is prepared by adding sand 90g, maize 10g. and water 10ml in a saline or any glass bottle of 300ml capacity and then autoclaved twice. Then 5 mycelial discs of the test pathogen are transferred into the bottle and left for incubation for 15 days. Once the culture has grown well, the sand maize medium is mixed along with the fungal growth and 1g from this preparation is used as the inoculum after adjusting the CFU to 1×10^6 /g by addition of sand.
- ✓ The plastic cups (5-6 cm diameter) filled with soil and FYM (3:1) have to be used. In each cup the filling should be done up to $\frac{3}{4}$ th level. The pathogen inoculum is mixed with sand has to be applied up to 2cm depth in the plastic cups.
- ✓ The bio-efficacy of the bio-agent shall be tested by both seed treatment and soil application. For seed treatment, the recommended dose of the formulation has to be used (5 to 10g.). For soil application, the bio-agent is added at the rate of 1g of formulation (minimum CFU should be the 2×10^6). The germination percentage, disease intensity and seedling vigour are to be recorded.
- ✓ Another set of plastic cups filled with sterile soil and sterile FYM has to be used to confirm whether the bio-efficacy was due to the isolate of the bio-agent tested or due to the native isolates of the bio-agent present in the soil.
- ✓ The keys for grading the efficacy mentioned below shall be used (Srivastava et al., 2002). However, for the registration purpose, the bio-agents that are Highly Efficient, Efficient or Moderately Efficient in the plastic cup test under glass house condition (in the presence of pathogen) can be allowed (i.e.) germination percentage of 70% or above, disease incidence of 30% or less can be considered for registration.
- ✓ For the bacterial antagonists, the above bioassay procedure has to be followed where only the % root colonization will be considered and other parameters are not required. The % root colonization required is 80%.

Disease Grading Key

Disease incidence (%)	Description	Rating of bio- efficacy of bioagents
0	Germination>90%, no seed rotting, seedling healthy, root and shoot portions well developed	Highly Efficient (HE)
1-15	Germination 80-90%, infection on main as well as lateral roots, seedlings are well developed	Efficient (E)
16-30	Germination 70-80%, development of roots restricted and growth is less compared to Score 1. Infection occurred on roots. Shoot portions developed but growth retarded compared to Score 1.	Moderately Efficient (ME)
31-45	Germination 60-70%, length of roots and shoots short compared to Score 1. Germination of seeds inhibited. 50% of root area infected. Shoot portions also showed infection	Moderately Inefficient (MI)
46-60	Seed germination 50-60%. Development of roots and shoots greatly retarded. Shoot portions also showed infection.	Efficient (I)
Above 60	Less than 50% germination and seed rotting	Highly Inefficient (HI)

For the root colonization assay, the rhizosphere region of the plants tested above have to be collected and the soil adhering to the root surface has to be removed by gently tapping the roots. The root bits have to be cut into 1 cm bits and randomly 25 bits should be selected for each treatment. They have to be plated on (TSM) and the percentage of root bits colonized has to be recorded. This has to be performed in the sterile soil and non-sterile soil. One control treatment without the Biocontrol agent, being tested, should be kept for both the sterile and non-sterile soil to rule out of the possibility of interference of native micro flora in the bio- efficacy assay.

B. INDIAN STANDARDS ANTAGONISTIC BACTERI DRAFT SPECIFICATIONS

1. Form and appearance
2. pH
3. Composition
 - a. Percent content of the Bio-control organism in the formulation & nature of biomass
 - b. CFU/g or ml of the product.
 - c. Percentage of other components: carrier /filler, wetting/ dispersing agent, stabilizers/emulsifiers, contaminants/impurities etc.
 - d. Moisture content.
 - e. CFU counts: Minimum 1×10^8 CFU/ml or gm. (Stability at 30°C and 65%RH).
4. Contaminants:
 - a. Biological Contaminants:
 - b. Pathogenic Contaminants: such as gram-negative bacteria *Salmonella*, *Shigella*, *Vibrio* etc.: **absent**
 - c. Other contaminants should not exceed 1×10^4 /ml or g
 - d. Chemical/botanical pesticides contaminants: **absent**.
5. Method of analysis:
 - a. CFU counts on specific medium.
 - b. Plating for contaminants on specific media
 - c. Antagonistic capability on target organism by bioassay.
 - d. Bioassay procedure based on diseased severity and root colonization as detailed in Appendix-I

c. INDIAN STANDARDS ENTOMOPATHOGENIC FUNGI - DRAFT SPECIFICATIONS

1. Form and appearance
2. pH
3. Composition
 - a. CFU/g of the product
 - b. Percent content of the Bio-control organism in the formulation & natural content of biomass.
 - c. Percentage of carrier/filler, wetting/ dispersing agent & stabilizers/ emulsifiers, contaminants/ impurities etc.
 - d. Moisture content
4. CFU counts: Minimum 1×10^8 CFU/ml or gm. (Stability at 30°C and 65%RH).
5. Contaminants:
 - a. Biological Contaminants:
 - b. Pathogenic Contaminants: such as gram negative bacteria *Salmonella*, *Shigella*, *Vibrio* etc: **absent**
 - c. Other contaminants should not exceed 1×10^4 /ml org
 - d. Chemical/botanical pesticides contaminants: **absent**.
6. Method of analysis:
 - a. CFU counts by serial dilution and examination under regular compound research microscope with bright field optics.
 - b. Plating for contaminants on specific media
 - c. Entomo-pathogenic capability on target insects by bioassay.

Laboratory bioassay procedures for screening fungal pathogens on *Spodoptera litura* and *Helicoverpa armigera*

Insect pathogens:

Beauveria bassiana*, *Metarhizium anisopliae*, *Nomuraea rileyi

Preparation of Fungal inoculum for bioassays:

The fungus is grown on SDAY/SMAY medium for 10 days in slants and aqueous spore suspensions of various concentrations are prepared using sterile water. The spore count is estimated by Haemo cytometer. (10^4 - 10^{10} spores/ml). Tween-80 is added @ 0.01% to get uniform spore suspension.

Rearing insects:

H. armigera*, *S. litura - Artificial diet (Semi-synthetic diet) Stage of insect for bioassay

H. armigera*, *S. litura- II instar larvae to be used for bioassay protocols for lepidopteron pests

Method of inoculation

S. litura

1. Cut castor leaf discs of 3.0cm diameter, rinse in sterile distilled water and place each leaf disc in a sterile Petri plate and allow it air dry in a laminar flow system
2. Apply ten micro liters of the spore suspension of each concentration on the leaf disc and spread it uniformly on the leaf surface and allow it air dry in a laminar flow system. Treat the other side of the disc similarly.
3. Release ten numbers of second instar larvae of *S. litura* on the leaf surface and incubate the discs in an incubator at 25°C and 90%RH
4. After 24hours, shift the larvae to the poly-pots containing the semi-synthetic diet and incubate in an incubator at 25°C and 90%RH
5. After 5 days of incubation, mortality of the larvae are recorded in each concentration tested
6. LC-50 can be calculated using SPSS package

Standard for LC-50: Not more than 2.00×10^6 spores/ml (3.0×10^3 spores/mm²)

***H. amigera*:**

Instead of castor leaves, soybean leaves can be used for ***H. amigera*** and the procedure is same as above.

Standard for LC50: Not more than 4.00×10^6 spores/ml (6.0×10^3 spores/mm²)

Bioassay procedure for *Plutella xylostella*

Various concentrations of *Beauveria bassiana* formulation ranging from 6×10^8 to 2×10^{10} are to be screened to assess the mortality.

Fresh undamaged radish leaves free from pesticide application are to be collected and washed thoroughly in sterile distilled water and air-dried. Individual leaves are dipped in respective concentrations for 30 seconds. After complete drying of leaves ten late 2nd instar larvae of *Plutella xylostella* are released per treatment. A water dipped radish leaf is maintained simultaneously as control.

To prevent desiccation of leaves, the petiole is covered with a moist cotton swab. Each treated leaves are placed in a plastic container of dimension 12.5 x 10 cm containing moist filter paper, Whatman No.41 to provide humidity.

Each treatment has to be replicated thrice. Fresh radish leaves were provided as feed at 24 hours interval. This set up has to be maintained at $25 \pm 1^\circ\text{C}$ and 70-80% RH for 7 days. Observations on larval mortality are to be made at 3, 5 and 7 days after treatment.

Standard for LC50 = Not more than 3×10^9 cfu/g

**D. INDIAN STANDARDS, ENTOMO-TOXIC BACTERIAL TECHNICAL
/FORMULATION - DRAFT SPECIFICATIONS**

S.No.	Details
1.SCOPE	
1.1	This Indian Standard prescribes the requirements and the method of sampling and test for Entomo-toxic bacteria technical and formulation. The product is a bio-pesticide active against target insects. The product is not for human consumption.
2.REQUIREMENTS	
2.1	Common name: i.e., <i>Bacillus thuringiensis</i> or <i>B. sphaericus</i> etc.
2.2	Systematic name (Genus, species, serotype, strain and Cry-toxin* along with cry gene)
2.3	Physical specification 2.3.1 Form and appearance 2.3.2 Moisture content 2.3.3 pH
2.4	Composition 2.4.1 Delta endo-toxin content (Minimum 2.0%) – estimation as per Appendix-V 2.4.2 Adjuvant 2.4.3 Beta Exo-toxin content – Negative through housefly bioassay test as per Appendix-IV 2.4.4 Human pathogens (gram negative bacteria Salmonella, shigella & vibrio etc) - Absent 2.4.5 Other microorganisms (not more than 10^4 /g) 2.4.6 Chemical/botanical pesticide contamination – Absent
2.5	Natural occurrence of the organism 2.5.1 Its relationship of the organisms 2.5.2 History (exotic or indigenous strain) 2.5.3 The isolate should not be genetically modified organism(GMO).
3.SAMPLING	
3.1	Representative samples of the material shall be drawn in accordance with IS 10946:1984
4.TESTS	

4.1	An appropriate test procedure and criteria used for identification, such as morphology, biochemistry and / or serology / immunology 4.1.1 Morphology description, particle size 4.1.2 Immunology assays: ELISA / Dot blot assay test or any other sensitive standard immunology test. 4.1.3 Method of analysis 4.1.4 Level of beta exo-toxins to be identified if expressed by Housefly bio- assay method. 4.1.5 Potency of product by bioassay method(Appendix-II) 4.1.5.1 Bio-assay method a) LC 50 on target larvae and potency against a reference using artificial diet or leaf disc method or in the water for mosquito larvae(Appendix-I) b) Housefly Bioassay method for Beta-exotoxin content (Appendix-IV) c) Determination of toxin content by ELISA / Dot Blot Assay Method(Appendix-V) 4.1.5.2 A technique for the separation and purification of the crystals (Appendix III) is to be used by the manufacturer and the antisera to be raised using solubilized toxin. Toxin content (3.5 %) to be standardized in the formulation using this antisera (ELISA /Dot blot assay).

2.2 Crytoxin* If H-Serotype is not known, it is mandatory to provide the details of Cry toxin to confirm that it is *Bacillus thuringiensis*.

Bioassay Method Diet incorporation

The following protocol is used for diet incorporation of oral toxicants to test their toxicity on target insects. The example presented here is to bioassay Cry I Ac on *H. armigera* (First instar larva of other test insects are used for similar bioassay).

1. Pipette out 3 ml of the solution into a 40 ml plastic cup.
2. Pour lukewarm diet, approx. 60⁰ C, into the cup to a total volume of 30 ml. Place the lid and shake the cup vigorously for a minute to mix properly.
3. Pour the diet to 0.5 cm height, into wells of a 24-cell insect- rearing tray. Allow the diet to cool in laminar airflow under UV lamps for 1 h to surface sterilize the diet.
4. If concentration of the toxicant in the stock solution was 2 µg/ml, the final concentration in the diet would now be 0.2µg/ml diet. Thus the final concentration of toxin in diet was diluted 10-fold.
5. Release first instars into the diet rearing trays at the rate of one per well. Cover the diet tray with semi-permeable wrap and close the lid.
6. It is recommended that the lid be tightly secured to the tray with rubber bands, to prevent the larvae from escaping. Because the diet is unsuitable, larvae try constantly to escape from the diet rearing trays.
7. Keep controls with larvae released on untreated diet, for all the experiments.
8. The unused rearing trays with diet can be stored in a refrigerator for a week.
9. Change the diet for the larvae every two or three days.
10. Record mortality observations at 8 hourly intervals until the end of seven days, for median lethal time LT₅₀ calculations. LT₅₀ is the time at which 50 % of the test population is killed with the specific dose tested. A simple linear regression equation can be worked out to calculate the LT₅₀
11. Otherwise, record mortality at alternate days until the end of seven days, for median lethal concentration LC₅₀ calculations. LC₅₀ is the concentration that kills half the test population.
12. Record weights of surviving larvae at the end of seven days, for median effective concentration EC₅₀ and LC₅₀ is the concentration that prevents half the test population from reaching 50% of the weight attained by control larvae. For example, if the average weight of larvae on the control diet (without toxin) was 80 mg, EC₅₀ represents the concentration at which 50% of the test population is unable to gain a weight more than 40 mg. LC₅₀ is the concentration that inhibits half the test population from reaching the third instar.

Diet incorporation for filter paper bioassays

1. For bioassays with bollworms, 10 ml toxin incorporated diet is poured over a 16 sq cm piece of filter paper. The filter papers layered with diet are cooled and cut into smaller squares of 2 x 2 cm, and 10 first instar larvae are released in small plastic cups 3 x 3 cm (d x h) cups containing a square. Change the strips every alternate day.
2. Record mortality observations until the seventh day.

Surface coating of semi-synthetic diet

1. Prepare the diet and pour it into the trays or the rearing plastic cups. Generally, 10 µl of the toxin can be used to coat 1 sq cm surface area. Gently swirl the diet surface to ensure uniform and complete spread of the solution over the diet surface.
2. Allow the surface to dry in a laminar airflow under UV light for 2-3 hours to surface sterilize.
3. Release one first instar *H. armigera* larva per well. Always maintain proper controls with untreated diet.
4. Change the diet on alternate days and record mortality until the seventh day. Then, weight of surviving larvae should be recorded on the final day of the bioassay.

The method has the advantage of obtaining constantly reliable results because the toxin is unlikely to be affected by either improper mixing or heat as can occur in the diet-incorporation method. Moreover, less amount of the toxin is required for the assay, compared to the diet-incorporation method.

Calculation of results:

The potency of the sample (International Units – IUs)

LC50 Standard

IU/mg sample = ----- X IU/mg Standard

LC50 Sample

(IU/mg Standard, i.e., HD-1-S-1980 is 16,000 IUs/mg; the US standard is available with PDBC, Bangalore; each registrant should prepare a “self reference” and should deposit it with the Registering Authority. Each self reference will be expressed as IU/mg using International standard)

Exo-toxin determination by PCR studies

Methodology:

Some *Bacillus thuringiensis* strains secrete type I β -exotoxin, which is a non-specific insecticidal and thermo-stable adenine nucleoside oligosaccharide. Toxicity bioassays and HPLC are traditional methods for detecting β -exotoxin. For rapid approach for prediction of type I β -exotoxin production, PCR-based method can be followed as per Diego H Saukoet *al.* (2014). One of these ORFs encodes the Exo-protein that was proved to be responsible for the phosphorylation of a β -exotoxin precursor at the last step of their biosynthesis process (Liu et al., 2010). Primers BEF (forward; 5'-CGGCAGCCGTTTATTCAAA-3') and BER (reverse; 5'-CCCCTTCCCATGGAGAAACA-3') amplify a 406-bp DNA fragment of thu E between nucleotides 373 and 778. All *B. thuringiensis* strains are grown on nutrient agar plates for 16h. A loopful of cells is transferred to 100 μ l H₂O and boiled for 10 min to make DNA accessible for PCR amplification. The lysate is centrifuged briefly (5 s at 20,000g), and 5 μ l supernatant is used as a DNA template in each polymerase chain reaction. This is performed with a final volume of 25 μ l containing 2.5 μ l 10x reaction buffer, 0.5 μ l 50 mM MgCl₂, 0.5 μ l 100 mM deoxy nucleoside triphosphate mixture, 8 pmol each primer, and 1 U of Taq polymerase (In-vitro-gen). The PCR amplification consisted of DNA denaturation at 94°C for 2 min followed by 25 cycles of amplification with a gradient thermo-cycler. Each cycle consisted of a de-naturation step at 94°C for 1 min, an annealing step at 54°C for 1 min, and a chain elongation step at 72°C for 1 min. The final elongation step was extended for an additional 5 min. Subsequently, 10 μ l PCR product is analysed by 1.0% agarose gel electrophoresis. A positive control can be also used for better results.

Dot Blot assay of *Bacillus thuringiensis* (Bt) toxin protein as alternate of Bioassay

- 1) Bt grown till sporulation in shake flask or in fermenter vessel and let the cells lyse and release spore/crystals into the medium
- 2) Cells are harvested by centrifugation at 10k for 15mins.
- 3) Wash the pellet with 1M NaCl to remove the B.t. associated seine/metallo proteases and washed twice with sterile distilled water.
- 4) Pellet suspended in 50MM NaOH to solublize the toxin protein for 2 hours at R.T. with slow shaking and centrifuged again at 10K for 15Mins.
- 5) Supernatant was adjusted to pH 8.0 with Tris HCL pH8.8
- 6) Protein contents estimated by Lowry's protocol.
- 7) Two fold serial dilutions of test protein were made in PBS and known amount at protein applied on NCP using S&S or Biorad Dot Blot manifold apparatus and applying water vacuum for 30mins.
- 8) NCP was carefully removed from Dot Blot set and soaked in excess of 3% Skim milk in PBS for blocking the remaining acetic sites on NCP for 2-3 hours at R.T/O/N at 4°C.
- 9) Wash the NCP with excess PBS with 0.01% Tween 20, 3-4 times and then finally with PBS
- 10) Polyclonal antiserum raised against total crystal protein was suitably diluted in PBS and added to the 'seal a meal' containing NCP and incubated for 1-2 hours with shaking.
- 11) Remove the NCP from the bag and was several times (as mentioned in step No.9)
- 12) Anti-rabbit antibodies conjugated with HRPO/alkaline Phosphate was diluted as per the suppliers instruction and incubated NCP (as in step 10)
- 13) Was as in step 11
- 14) For HRPO:
 - a) Diaminobenzene (4mg/10ml PBS)/4-Chloro-1-Naphthol (4mg/10ml 20% Alcohol) were dissolved and 10ml of 30% of H₂O₂ per 10 ul substrate solution was added and colour reaction developed in dark for 5-10 mins (DAB gives brick red colour. 40N gives blue colour).
 - b) For alkaline Phosphatase:

Alkaline Phosphatase Buffer:

1M Tris pH 8.8	-10ml/
4M NaCl	- 2.5ml/ make up to 100ml
1M MgCl ₂	-0.5ml/

For 10ml of above buffer add NBT-66 µl and BCIP-33 µl and develop and colour reaction

15. Stop the reaction by removing the substrate and washing with PBS.
16. Keep on filter paper and dry.

DIFFERENT PROTEIN CONCENTRATION

10µg 5µg 2.5µg 1.25µg 512.5ng 256.25ng 128ng 64ng 32ng 16ng 8ng 4ng

Determination of cell dry weight

Take a known volume of Bacterial culture spin down at 4R

for min. # Wash the pellet in minimal distilled water

Transfer to a pre weighed container

Incubate at 80°C for 16-18 hours till become dry and weight becomes constant.

PURIFICATION OF CRYSTALS BY GELATIN METHOD

Centrifuge the sporulated material and wash pellet twice with 1M NaCl. Add 200ml. of 0.5% Gelatin, stir and remove all froth completely. Dilute with sterile water and centrifuge. Take debris and stir with 20ml. of 1.5M sucrose. Further add 50 ml of 1.5M sucrose, stir and centrifuge at 3000 RPM for 2 hours. Remove supernatant and purified crystals are harvested.

E. INDIAN STANDARDS BACULOVIRUS DRAFT SPECIFICATIONS

1. Form and composition of the product

1.1 Viral Unit: POB/Capsule count per ml/g of the product

1.2 Percent content of the bio-control organism in the formulation and nature of biomass

1.3 Percent of carrier/filler, wetting/dispersing agent, stabilizers/ emulsifiers, containments/ impurities etc.

2. Moisture content

3. pH

4. Viral Unit

NPVs (*Helicoverpa* & *Spodoptera*) - 1×10^9 POB/ml or gm (minimum) (POB – Polyhedral Occlusion Body)

GV (*Chilo*, *Plutella* & *Acheae*) - 5×10^9 Capsules/ml or g. (minimum).

5. Contaminants:

5.1 Biological contaminants:

5.1.1 Pathogenic contaminants: Pathogenic contaminants such as gram negative bacteria *Salmonella*, *Shigella*, *Vibrio* etc. should be **absent**:

5.1.2 Other microbial contaminants: Other microbial contaminants should not exceed 1×10^4 /ml or g

5.2 Chemical/botanical pesticides contaminants should be absent.

6. Identification of Baculovirus by DNA test (Restriction enzyme analysis test).

7. An undertaking should be submitted that the strain is indigenous, naturally occurring and not exotic and not genetically modified as per Annexure-1.1

8. Method of analysis:

Viral Unit:

NPVs (*Helicoverpa* and *Spodoptera*) = 1×10^9 POB/ml or gm. minimum

GVs = 5×10^9 Capsules/ml or gm .minimum.

8.1 In case of NPVs/, POB/Capsule count should be taken with Haemocytometer using shallow depth counting chamber as detailed in Appendix – I

8.2 Biological assay for determining the LC₅₀ or LD₅₀ of the formulation:

8.2.1 Bioassay for NPV by the Diet Surface Contamination Method as detailed in Appendix-II OR

8.2.2 Bioassay for GV against *Chilo infuscatellus* as detailed in Appendix-III OR

8.2.3 Bioassay for GV against *Plutella xylostella* as detailed in Appendix-IV.

8.2.4 Bioassay for GV against *Achea janta* as detailed in Appendix-V.

8.3 Plating for contaminants on specified media.

**COUNTING OF NPV/GV (POB/CAPSULE) USING IMPROVED NEUBAUER
HAEMOCYTOMETER COUNTING CHAMBER.**

A haemocytometer is used for estimating of NPVs/GVs in a unit volume of the product. The Improved Neubauer Haemocytometer comprised a thick glass slide with a shallow depression in the central section divided into two halves (figure-1). Each side, the base of the depression has a fine ruled grid of squares (figure-2) which is visible under a microscope. The dimensions of this grid are defined. Place a standard cover slip placed over the depression and a one half halves of the slide chamber using a micro pipette. The particles require 2-5 minutes to sediment to the chamber floor.

Either dark field or a phase contrast microscope is used to identify and count polyhedral occlusion bodies (POB) or capsule. With the counting chamber under the microscope, the number of Polyhedra/capsule in a given number of grid squares can be counted. Each count consists of a tally of the number of polyhedra completely contained within a big square plus the number of touching the top and left sides. Polyhedra touching the bottom and right sides are not counted. Since both the depth of the chamber and the grid dimensions are known. It is then a straight forward calculation to determine the number of polyhedra /capsule per ml of test suspension.

Number of NPV (POB) per ml/gm = $\frac{D \times X}{N \times K}$

$N \times K$

Where:

D = Dilution factor

X = Total number of polyhedra

counted N = Number of squares

counted

K = Volume above one small square in $\text{cm}^3 = (2.5 \times 10^{-7} \text{cm}^3)$

Area of each small square is $\frac{1}{400} \text{mm}^2 = 0.0025 \text{mm}^2$. Depth of chamber is 0.1mm. Volume of liquid above a single small square is $0.0025 \text{mm}^2 \times 0.1\text{mm} = 0.00025 \text{mm}^3$. To covert to cm^3 multiply by 1/1000 to get a volume of $2.5 \times 10^{-7} \text{cm}^3$ above 1 small square. Hence, $K = 2.5 \times 10^{-7} \text{cm}^3$

Worked example:

Suppose in a sample diluted by a factor of 1000 we count 535 polyhedra in 160 small squares then:

$$D = 1000$$

$$X = 535$$

$$N = 160$$

$$K = 2.5 \times 10^{-7} \text{ cm}^3$$

$$1000 \times 535$$

Thus, POB count = ----- = 1.34×10^{10} POB/ml of test sample

$$160 \times 2.5 \times 10^{-7}$$

Note: (i) Usually, this procedure is repeated 3 times and an average taken to get a more accurate estimate.

(ii) Same procedure will be used for GV also for counting the number of capsule per unit volume of the product.

PROCEDURE FOR ESTIMATION OF LC₅₀ OF NPV BY THE DIET SURFACE CONTAMINATION METHOD.

- i) **Diet to be used:** The standard chickpea-based diet without formalin.
- ii) **Bioassay bottles:** 5ml. vials with a diameter of 18 mm (255 mm² surface area)
- iii) **Doses of NPV to be tested:**

Helicoverpa armigera

Spodoptera litura

POB/ml	POB/mm ²	POB/ml	POB/mm ²
		-----	-----
		a)5x10 ⁴	1.96
		b)1x10 ⁴	0.39
		c) 2x10 ³	0.078
		d)4x10 ²	0.016
		e)0.8x10 ²	0.003
		f)1.6x10	0.0006
		1x10 ⁶	39.21
		2x10 ⁵	7.84
		4x10 ⁴	1.57
		8x10 ³	0.31
		16x10 ²	0.062
		3.2x10 ²	0.013

- iv) **Method of dosing:** Dispense 10 Micro litre aliquots into each vial and spread uniformly over the entire diet surface using a polished rounded lip of 4 mm glass rod and allow to dry off under flow laminar hood for 10minutes.
- v) **No. of larvae/dose:**50 (Maintain 50 healthy larvae without virus inoculation for control)
- vi) **Stages of larvae:** II instar larvae (Preferably 4daysold) Release one larva/vial and plug mouth with sterile absorbent cotton. Incubate at 25 ± 1°C for 7days.
- vii) Record mortality in different doses on the 7th day.
- viii) Apply Abott's formula for correction of mortality in control treatment.
- ix) Subject the dose – mortality response to probit analysis using relevant statistical software.
- x) Express LC 50 as POB/mm² of diet surface.

Expected standards for NPV for II instar larvae

<u>Species</u>	<u>LC 50POB//mm²</u>
1. <i>Helicoverpa armigera</i>	<0.5
2. <i>Spodoptera litura</i>	<20.0

Bioassay for GV against *Chiloinfuscatellus*

Determination of LD50:

To determine the LD50 of the GVs, third instar larvae should be used. The larvae are to be microfed (one micro litre per larva) with six different doses, viz. 1.1×10^1 , 10^2 , 10^3 , 10^4 , 10^5 , and 10^6 IBs/larva. One hundred freshly moulted larvae have to be used for each treatment. Larvae fed with equal quantity of distilled water serve as control. The mortality has to be recorded daily. The LD50 of the virus is determined following the probit analysis method (Finney, 1962).

LD50 = $< 1 \times 10^3$ OB for third instar larvae by micro-feeding.

Laboratory bioassay procedures for estimation of LC₅₀ of *Plutellaxylostella* (PxGV) by leaf disc method:

1. Cut leaf discs of cauliflower (3.2cm). Soak it in 0.1N NaOCl for 5 min. and wash thoroughly in distilled water. Air dry these leaf discs for 2-3 minutes. (Fifth leaf from top to be used)
2. PxGV (containing 0.01per cent Triton X 100) of different concentrations 28000, 2800, 280, 28, 2.8 OB/mm² on the leaf disc) is prepared
3. Aliquots of 12ul of each concentrating of GV is dispensed on the upper surface of the leaf disc and spread uniformly with a blunt end glass rod (use separate tips and glass rods for each treatment)
4. Air dry these leaf discs for 2-3minutes
5. Repeat the same on the lower surface of the leaf disc.
6. Control discs were treated with distilled water containing 0.01 per cent Triton X 100 only.
7. The leaf discs are placed in Petri dishes lined with wet filter paper discs and 35-second instar larvae of *P. xylostella*(starved for 6 hours) are released on each leaf disc starting from control treatment to highest concentration. This is replicated three times.
8. Incubate these larvae at25⁰C
9. After 24 hours remove the treated leaves (partially eaten) and provide the larvae with fresh cauliflower rleaves.
10. The leaves are changed daily and mortality data recorded everyday.
11. The dosage and time mortality responses are subjected to probit analysis.
12. If the mortality in the control excess 10% repeat the experiment. LC₅₀ = < 0.15 OB/mm² for second instar larvae by disc method.

Laboratory bioassay procedures for estimation of LC₅₀ of *Achaea janata* Granulosis virus (AjGV) by leaf disc method:

1. Cut leaf discs of castor (8cm dia) and wash in distilled water. Air dry these leaf discs for 5minutes.
2. Treat the leaf disc on both the upper and lower surfaces with 200 µl suspension of AjGV (containing 0.02% Tween-80) of different concentrations (5×10^8 , 5×10^7 , 5×10^6 , 5×10^5 , 5×10^4 corresponding to 19884, 1988, 198, 19, 1.9 OB per mm² on the leaf disc)
3. Aliquots of 100 µl of each concentration of GV is first dispensed on the upper surface of the leaf disc and spread uniformly with a blunt end of glass rod (use separate tips and glass rods for each treatment)
4. Air dry these leaf discs for 5minutes
5. Repeat the same on the lower surface of leaf disc
6. Control leaf discs were treated with distilled water containing 0.02% Tween- 80only
7. The leaf discs are placed in Petri dishes (9.0cm dia) line on wet filter paper discs and 35 second instar larvae (third day after hatching) of *A. Janata* are released on each leaf disc starting from control treatment to highest concentration. This is replicated three times.
8. Incubate these larvae at 25°C.
9. After 24-48 hours remove the treated leaves (partially eaten) and provide the larvae with fresh castor leaves
10. The leaves are change daily and mortality data recorded everyday
11. The dosage and time mortality responses are subjected to probit analysis
12. If the mortality in the control exceeds 10% repeat the experiment.

Recommended LC₅₀ GV (*Achaea janata*) – LC₅₀ <4 OB/mm² for second instar larvae by the leaf disc method.

SUB CATEGORY 4.2: GUIDELINES FOR THE REGISTRATION OF BOTANICAL / PLANT ORIGIN PESTICIDES

Plant Based Products

Botanical Pesticides/Pesticides of any Plant Origin like Eucalyptol, Cymbopogon formulation, Neem Based Pesticides, Pyrethrum Extract & Rotenone for Pisciculture (Formulation), Essential Oils (formulations only) and other similar categories.

General Guidance

1. It is clarified that traditional remedies or products prepared by the individuals for their own-self use do not need registration if the produce is not sold. If the product prepared or the treated produce is to be sold in the market, then the registration is required under the provisions of the Act.
2. Sometimes the active substances to be used as Plant origin or botanical bio-pesticides, are vastly studied and the information of good quality which is consistent with current methodology, information/data is available, then waivers for submission of certain data, if justified, can be granted. Further, in some cases, based on the information and characteristics or the results of studies, additional data may be required.
3. For registration of extract u/s 9(4): It shall be obtained from the same part of the plant with same process of extraction and should have identical chemical composition as of 9(3) registrant.
4. Formulation to be registered u/s 9(4) should have identical chemical composition and required to be prepared from the extract already registered under the Act for use in the country.

Chemistry

Sr. No.	Parameters	9(3B)			9(3)				
		TI	TIM	FIM	TI	TIM	FI	FIM	Label expansion
1	Name of the part of the Plant(s) to be used for extraction of the active ingredients	R	R	R	R	R	R	R	-
2	Source of supply of the technical grade material	R	R	R	R	R	R	R	-
3	Outline of Process of formulation	R	R	R	R	R	R	R	-
4	Extract Contents active ingredient	R	R	R	R	R	R	R	-
5	Chemical composition of the formulations	R	R	R	R	R	R	R	-
6	Physico-chemical properties of a.i.& adjuvants	R	R	R	R	R	R	R	-
7	Product Specifications as BIS format	R	R	R	R	R	R	R	-
8	Method of analysis (a.i.)	R	R	R	R	R	R	R	-
9	An undertaking that the product does not contain any other chemical pesticide except plant extract	R	R	R	R	R	R	R	-
10	Analytical test report (generated by the NABL / GLP certified lab from the source of manufacturing country)	R	R	R	R	R	R	R	-
11	Shelf-life claim (In the case of)	R	R	R	R	R	R	R	-

12	Shelf-life data (# in the case of Eucalyptus based products containing 'Eucalyptol', Rotenone for pisci- culture, Cymbopogan spp.))	R/# NR	R/#NR	R/#NR	R	R	R	R	-
13	Process of mfg in step wise manner along with the list of RAW material with impurity	R	R	R	R	R	R	R	-
14	Submission of sample to CIL along with slandered	R	R	R	R	R	R	R	-
15	Drawl of in process of sample to submission of CIL.	NR	R	NR	NR	R	NR	NR	-
16	Copy of RTT permit	R	NR	NR	R	NR	R	NR	-
17	DNA from the source country along with copy of Registration (CR) issued from importing country	R	NR	NR	R	NR	R	NR	-
18	In case of import consent letter from source of supply	R	NR	NR	R	NR	R	NR	-

Bio-efficacy

Sr. No.	Parameters	9(3b)			9(3)					9(4)
		TI	TIM	FIM	TI	TIM	FI	FIM	Label expansion	TI/TIM/FI/FIM or endorsement of already approved label expansion
1	Bio-effectiveness against target pest and disease in specified crops	R	R	R*	R	R	R	R**	R**	No data requirement
2	Phytotoxicity (as per standard tests)	R	R	R*	R	R	R	R**	R**	
3	Compatibility with other agro- chemicals, if claimed	NR	NR	R	NR	NR	R	R	R	
4	Stability of formulation (Photo, thermal etc.) in aqueous dilution (acidic, neutral & basic)	NR	NR	R	NR	NR	R	R	R	
5	Direction concerning dosage for each target pest and disease	NR	NR	R	NR	NR	R	R	R	
6	Stage of crop for use and stage of target pest and disease	NR	NR	R	NR	NR	R	R	R	
7	Waiting period	NR	NR	NR	NR	NR	NR	NR	NR	
8	Application equipment	NR	NR	R	NR	NR	R	R	R	
9	Information regarding registration status in other countries, if any.	NR	NR	R	R	NR	R	R	R	
10	Time of Application	NR	NR	R	NR	NR	R	R	R	
11	Purpose of Manufacture	R	R	R	R	R	R	R	R	
12	Residue in plant	NR	NR	NR	NR	NR	NR	NR	NR	
13	Residue in soil	NR	NR	NR	NR	NR	NR	NR	NR	
14	Registration status in foreign countries	NR	NR	R	R	NR	R	R	R	
15	Residue tolerance limit fixed by foreign countries	NR	NR	NR	NR	NR	NR	NR	NR	

R*: Two seasons /year data generated at minimum two different agro climatic zones **R****: Two seasons / year data generated at minimum three different agro-climatic zones NR: Not required

Toxicology

Sr. No .	Parameters	9 (3b)			9(3)					9(4)
		TI	TI M	FIM	TI	TI M	FI	FIM	Label expansion	TI/TIM/FI/FIM or endorsement of already approved label expansion
1	Acute Oral Toxicity-Rat	R	R	R	R	R	R	R	-	NR
2	Acute dermal Toxicity-Rabbit	R	R	R	R	R	R	R	-	NR
3	Acute Inhalation-rat	R	R	R	R	R	R	R	-	NR
4	Primary Skin Irritation-Rabbit	R	R	R	R	R	R	R	-	NR
5	Primary Eye Irritation-Rabbit	R	R	R	R	R	R	R	-	NR
6	Skin sensitization-Guinea pig	R	R	R	R	R	R	R	-	NR
7	Sub-acute oral-rat	NR	NR	NR	NR/R*	NR/R*	NR	NR	-	NR
8	Sub-acute oral-dog**	NR	NR	NR	R	R	NR	NR	-	NR
9	Sub-acute dermal	NR	NR	NR	R	R	NR	NR	-	NR
10	Sub-acute inhalation	NR	NR	NR	R	R	NR	NR	-	NR
11	Neuro-behavioral toxicity	NR	NR	NR	R	R	NR	NR	-	NR
12	Teratogenicity	NR	NR	NR	R	R	NR	NR	-	NR
13	Effect on Reproduction	NR	NR	NR	R	R	NR	NR	-	NR
14	Carcinogenicity/chronic toxicity/combined toxicity study	NR	NR	NR	R	R	NR	NR	-	NR
15	Metabolism	NR	NR	NR	R	R	NR	NR	-	NR
16	Mutagenicity* (AMES+2in-vitro+1 in-vivo)	NR	NR	NR	R	R	NR	NR	-	NR

17	Toxicity to birds	R (Two species)	R (Two species)	R (one species)	R (Two species)	R (Two species)	R (one species)	R (one species)	-	NR
18	Toxicity to fresh water fish	R	R	R	R	R	R	R	-	NR
19	Toxicity to honey bees	R	R	R	R	R	R	R	-	NR
20	Toxicity to earthworm	R	R	R	R	R	R	R	-	NR
21	Medical data	R	R	R	R	R	R	R	-	NR
22	Human toxicity information	NR/R*	NR/R*	NR/R*	NR/R*	NR/R*	NR/R*	NR/R*	-	NR
23	Health record of industrial workers	NR	NR	R	NR	NR	R	R	-	NR
24	International report on carcinogenicity & genotoxicity study	NR/R	NR/R	NR/R	NR/R	NR/R	NR/R	NR/R	-	NR

Note:

1. The requirement for sub-acute studies shall be determined on the basis of results of other toxic study reports.
2. * Please refer to guidance document on toxicology for registration of chemical pesticides in India

Toxicity Study No. 8: Sub-acute oral toxicity study (Dog): ** Peer reviewed international published literature is also required for dog study.

Note:

1. The general recommendations as mentioned in the guidance document on toxicology for registration of chemical pesticides in India will also be applicable for registration of botanical pesticides on merit case to case basis.
2. Waiver would be considered when existing information provides robust and full scientifically sound weight of evidence approach and based on read across/bridging from structurally and /or biologically related similar pesticides, physicochemical/biological properties and use and exposure patterns case to case basis
3. The replacement alternatives not involving experiments on animals would be considered and accepted in those cases where data from valid 3Rs (Replacement, Reduction and Refinement) methods recognized by OECD and other renowned Regulatory Authorities is provided wherever applicable, case to case basis.

Packaging

Sr. No.	Parameters	9 (3b)			9(3)					9(4)
		TI	T I M	FI M	TI	TI M	F I	FI M	Label expansio n	TI/TIM/FI/FIM or endorsement of already approved Packaging
1	Labels and leaflets per IR- 1971, all fields (as applicable) and as amended from time to time	R	R	R	R	R	R	R	NA	R*
2	Manner of labeling and leaflet	R	R	R	R	R	R	R	NA	R*
3	Type of packaging (Ultra small, small or Big whichever is applicable)	R	R	R	R	R	R	R	NA	R*
4	Manner of packaging	R	R	R	R	R	R	R	NA	R*
5	Specification for primary, secondary and transport packages (whichever is applicable)	R	R	R	R	R	R	R	NA	R*
6	Details of packaging material and its	R	R	R	R	R	R	R	NA	R*
	compatibility with content									
7	Performance of container with content during storage stability test (Shelf life study)	R**	R	R	R	R	R	R	N.A	R*
8	Transport worthiness test	R**	R	R	R	R	R	R	N.A	R*

Note: R*- Required only if manner of packaging is different then the 9(3) registrant. R**- Before commercialization the data will be required. N.A-Not Applicable

Note:

1. In case of additional packaging endorsement applications, the data at Sl. No. 05, 06, 07& 08, are not required if similar packaging (material) and manner of packaging is being sought by the applicant as has been granted to earlier 9(3) registrant.
2. Specification of Bureau of Indian Standard (BIS) must be followed for all the packaging requirements (Wherever available and applicable).
3. All Packaging tests must be carried out with the product of same batch and in its commercial package preferably in Indian condition.
4. The duration of the test and the conditions including geographical conditions must be mentioned.
5. Storage stability data should be generated in consonance of BIS or product specification.
6. The testing protocols must have their basis in the WHO/FAO/ CIPAC/ASTM recommendations or other validated methodology of GLP/ NABL accredited laboratory having packaging testing (chemical / mechanical as applicable etc.) in the scope.
7. The Accelerated storage study (ASS) test must be conducted at $54 \pm 2^{\circ}\text{C}$ (wherever applicable) for 14 days as per FAO/ WHO manual for claiming appropriate shelf life of the product which can be maximum two years, subject to the condition of providing the ambient storage stability study data of thirty months or as the case may be within thirty months from the date of application for the registration.

Sub category 4.2.1: Guidelines for the Registration of Indigenous Manufacture of Eucalyptus Based Products Containing “Eucalyptol”

(Approved by the Registration Committee in its 293rd RC meeting held on 26.09.2008)

	PARAMETER	Extract / Concentrate		Formulation	
		9(3B)	9(3)	9(3B)	9(3)
A.	Biological characteristic and Chemistry				
1	Name of the Part of the Plant(s) to be used for extraction of the active ingredients / components.	R	R	R	R
2	Outline process of extraction of active ingredients.	R	R	R	R
3	Outline of process of manufacture of formulation clearly identifying the chemicals as indicated in point (4) below.	R	R	R	R
4	(a) The active ingredient (a.i.) content of the ‘Eucalyptol’ in the extract (concentrate) /formulation. (b) When the insecticidal a.i. is other than Eucalyptol then the applicant has to indicate the name, quality and quantity of that particular a.i. (s).	R	R	R	R
5	Chemical identity of the ingredient as stated at point (4) above.	R	R	R	R
	(a) Structure				
	(b) Chemical formula				
	(c) Isomers, if any				
	(d) Conditions of isomerism				
6	Physico-chemical properties including stability parameters	R	R	R	R
	(e.g. Photo, Thermo etc.)				
7	Specifications of ingredient including adjuvants as indicated at point (4) above.	R	R	R	R
8	Method of analysis of Eucalyptol as well as other components / ingredients (as at point 7)	R	R	R	R
9	Analytical test report	R	R	R	R
10	Shelf-life claim.	R	R	R	R
11	Shelf-life data	NR	R	NR	R
B.	BIO-EFFICACY				
1	Bio-effectiveness against target pest species in specified crops	R* (2 seaso ns data from minim um 2 agro- climat ic	R* (2 seaso ns data from minim um 3 agro- climat ic	R (2 seaso ns data from minim um 2 agro- climat ic	R (2 seaso ns data from minim um 3 agro- climat ic

		condit ions)	condit ions)	condit ions)	condit ions)
2	Phytotoxicity (as per standard tests)	R* (same as above at 1.	R* (same as above at1.	R (same as above at 1.	R (same as above at 1.
3	Compatibility with other agro-chemicals, if claimed	R*	R*	R	R
4	Stability of formulation (Photo, Thermal etc.) in aqueous dilution (acidic, neutral & basic)	R*	R*	R	R
5	Direction concerning dosage for each target pest species	R*	R*	R	R
6	Stage of crop for use and stage of target pest	R*	R*	R	R
7	Waiting period	R*	R*	R	R
8	Application equipment	R*	R*	R	R
9	Information regarding registration status in other countries, if any.	R	R	R	R
C.	TOXICITY (As per data requirement of chemical Pesticides)				
1.	Acute oral in rat & mice	R	R	R	R
2.	Acute dermal	R	R	R	R
3.	Acute inhalation	R	R	R	R
4.	Primary skin irritation	R	R	R	R
5.	Irritation to mucous membrane	R	R	R	R
6.	Sub-acute oral rat	R	R	NR/R	NR/R
7.	Sub-acute oral dog	R	R	NR/R	NR/R
8.	Sub-acute dermal	R	R	NR/R	NR/R
9.	Sub-acute inhalation	R	R	NR/R	NR/R
10.	Neuro-toxicity	NR	R	NR	NR/R
11.	Synergism & potentiation	NR	R	NR	NR/R
12.	Teratogenicity	NR	R	NR	NR
13.	Effect on reproduction	NR	R	NR	NR
14.	Carcinogenicity	NR	R	NR	NR
15.	Metabolism	NR	R	NR	NR
16.	Mutagenicity	NR	R	NR	NR

17.	Toxicity to birds	R	R	R	R
18.	Toxicity to fish	R	R	R	R
19	Toxicity to honeybees	R	R	R	R
20.	Toxicity to live stock	R	R	NR	NR
21.	Medical data	R	R	R	R
22	Human toxicity information	R	NR	R	NR
23.	Observation in man (Health records of spray operators)	NR	NR	NR	R
24.	Health records of Industrial workers.	NR	NR	NR	NR
25.	Toxicity to live stock (Field trial & observation)	NR	NR	NR	R
26.	International report on carcinogenicity & mutagenicity/genotoxicity status	NR	R/NR	NR	NR
D. PACKAGING AND LABELLING					
1	Labels and Leaflets	R	R	R	R
2	Type of packing	R	R	R	R
3	Manner of packing	R	R	R	R
4	Content container compatibility data shall be generated in an independent reputed laboratory.	NR	R	NR	R
5	Manner of labelling	R	R	R	R
6	Specifications of packing	R	R	R	R
	i. Primary packing	R	R	R	R
	ii. Secondary packing	R	R	R	R
	iii. Transport packing	R	R	R	R
7	Information for safe storage and use	R	R	R	R
8	Information for disposal of empty containers/ used packages.	R	R	R	R
9	Performance test of containers during storage conditions for the shelf life of the product as per relevant IS.	NR	R	NR	R
	Note: The applicant shall submit complete data for registration of indigenous manufacture of botanical extract/ concentrate along with complete data sets in respect of registration of indigenous manufacture of formulation u/s 9(3)				
	R = Required, NR = Not required, R* = Required, if used in concentrated form				

Sub category 4.2.2: Guidelines For Registration of Rotenone For Pisci-Culture

(Approved by the registration committee in its 280th RC meeting held on 06.09.2007)

A.	CHEMISTRY	9(3B)	9(3)
1	Name of the Part of the Plant(s) to be used for extraction of the active ingredients.	R	R
2	Outline of Process of Formulation.	R	R
3	Extract Contains Rotenone as active constituent.	R	R
4	Chemical composition of the formulations	R	R
5	Physico-chemical properties of a.i. & adjuvants	R	R
6	Product Specifications as BIS format	R	R
7	Method of analysis for Rotenone a.i.	R	R
8	An undertaking that the product does not contain any other chemical except plant extract	R	R
9	Analytical test report (a) Independent laboratory (b) Central Insecticides laboratory	R	R
10	Shelf-life claim	R	R
11	Shelf-life data	NR	R
B.	BIO-EFFICACY		
1	Bioeffectiveness data on weed fish (Puntius spp.) and predatory fish (Murrel/Channa spp.) based on two season and two locations for the registration u/s 9(3b) and based on two season and three locations for the registration u/s 9(3) generated by ICAR/CSIR/SAUs	R	R
2	Effect on natural fish food organisms i.e. phytoplankton and zooplankton	R	R
3	Effect on water quality parameters i.e. – physico–chemical properties with reference to major nutrients	R	R
4	Persistence toxicity against cultured species – carp /catfish /prawn /shrimp (depending on fresh water/brackish water application)	R	R
5	Compatibility with other chemicals if claimed	R	R
6	Restocking period*	R	R
7	Direction concerning dosage – dose of application per hectare metre of water	R	R
8	Method of application	R	R
9	Time of application	R	R
10	Purpose of manufacture	R	R
11	Information regarding registration status in other countries, if any	R	R
C.	TOXICITY		
1	Acute Oral rat and mice	R	R
2	Acute dermal	R	R
3	Acute inhalation	R	R
4	Primary skin irritation	R	R
5	Irritation to mucous membrane	R	R
6	Sub-acute oral rat & dog	R	R
7	Sub-acute dermal	R	R

8	Sub-acute inhalation	R	R
9	Neuro-toxicity	R	R
10	Synergism & potentiation	R	R
11	Teratogenicity	R	R
12	Effect on reproduction	R	R
13	Carcinogenicity	R	R
14	Metabolism	R	R
15	Mutagenicity	R	R
16	Toxicity to birds	R	R
17	Toxicity to fish	R	R
18	Toxicity to honeybees	R	R
19	Toxicity to live stock	R	R
20	Medical data	R	R
21	Health monitoring study on applicators	R	R
22	Health records of Industrial workers.	R	R
D.	PACKAGING AND LABELLING		
1	Label and Leaflets as per IR 1971 existing norm	R	R
2	Type of package	R	R
3	Manner of Package (Container - content compatibility)	R	R
4	Specification for primary package	R	R
5	Specification for secondary package	R	R
6	Specification for transport package	R	R
7	manner of labelling	R	R
8	Instruction for storage and use	R	R
9	Information regarding disposal of used package	R	R
10	Process of manufacturing / indicating material balance generation of wasted.	R	R
R- Required NR- Not required. *Time from the application of rotenone to introduction of fish seed.			

Sub category 4.2.3: Guidelines for the registration of formulations *Cymbopogon* spp. Based plant extract

(Approved by the registration committee in its 202nd RC meeting held on 17.08.2000)

A.	CHEMISTRY	9(3B)	9(3)
1	Name of the Part of the Plant(s) to be used for extraction of the active ingredients.	R	R
2	Outline of Process of Formulation.	R	R
3	(a) Extract Contents "Geraniol" as one of the major active constituents. The concentration of a.i. i.e. Geraniol (<i>Cymbopogon</i> sp.) in the formulated extract should contain not less than ppm of Geraniol (<i>Cymbopogon</i> sp.) a.i.	R	R
4	Chemical composition of the formulations	R	R
5	Physico-chemical properties of a.i. & adjuvants	R	R
6	Product Specifications as BIS format	R	R
7	Method of analysis for Geraniol (<i>Cymbopogon</i> sp.) a.i.	R	R
8	An undertaking that the product does not contain any other chemical except plant extract	R	R
9	Analytical test report	R	R
10	Shelf-life claim	R	R
11	Shelf-life data	NR	R
B.	BIO-EFFICACY		
1	Bio-effectiveness	R	R
2	Phytotoxicity	R	R
3	Compatibility with other chemicals	R	R
4	Purpose of manufacture	R	R
5	Direction of concerning dosage	R	R
6	Time of application	R	R
7	Waiting period	R	R
8	Application equipment	R	R
9	Information regarding registration status in other countries, if any	R	R
C.	TOXICITY		
1	Acute Oral rat and mice	R	R
2	Acute dermal	R	R
3	Primary skin irritation	R	R
4	Primary eye irritation	R	R
5	Allergy/Sensitization	R	R
D.	PACKAGING AND LABELLING		
1	Label and Leaflets as per IR 1971 existing norm	R	R
2	Type of packaging	R	R
3	Manner of Packaging (Container - content compatibility)	R	R
4	Specification for primary package	R	R
5	Specification for secondary package	R	R
6	Specification for transport package	R	R

7	manner of labelling	R	R
8	Instruction for storage and use	R	R
9	Information regarding disposal of used package	R	R
10	Process of manufacturing / indicating material balance generation of wasted.	R	R
	R- Required		
	NR- Not required.		

Sub category 4.2.4: Guidelines for the Import of Concentrated Pyrethrum Extract

(Approved by the registration Committee in its 148th RC meeting held on 11.11.1994)

A.	If the higher concentration of Pyrethrum extract is imported from the already approved source (which is approved for import of Pyrethrum extract (2%) i.e., Pyrethrum market board, Nakura, Kenya in that case the following simplified data in all disciplines is required to be submitted.	
	CHEMISTRY	
1	Detailed chemical composition.	R
2	Physico-chemical properties	R
3	Specification and method of analysis alongwith undertaking for product quality.	R
4	Analytical test report from principal	R
5	Identification and quantification of identifiable impurities in addition to the presence of active constituents i.e. Pyrethrum 1 & 2, Cinerin 1 & 2 and Jasemolin 1 & 2.	R
6	Shelf-life data as per the relevant guidelines is required to be submitted.	R
	BIO-EFFICACY	
	The higher concentrate is proposed to be imported to make the approved formulation. As such data on approved formulations is required w.r.t. bioefficacy	R
	TOXICITY (Toxicity data Requirements from alternate source are available below this table as approved in 303rd meeting of RC held on 05-08-2009)	
1	Acute oral toxicity in rat and mice	R
2	Acute dermal toxicity	R
3	Acute inhalation toxicity	R
4	Primary skin irritation	R
5	Irritation to mucous membrane.	R
	PACKAGING	
	If kerosene is used as a solvent then container content compatibility data is not required. If the solvent is other than kerosene then container content compatibility data is required.	
B.	In case higher concentration of Pyrethrum is to be imported from any other source then the approved one i.e. Pyrethrum Marketing Board, Nakura, Kenya then the applicant has to generate complete data as per the relevant guidelines u/s 9(3) of the Act.	
1	The individual component(s) is / are higher than registered formulations strength one acute toxicity data on higher strength has to be generated.	
2	Data / information on toxicity of registered strength / formulation have to be provided for comparison.	
3	The components of combination should preferably be limited to two only.	
	PACKAGING AND LABELLING	
1	Label and Leaflets as per Insecticides Rules, 1971 existing norms.	R
2	Type of packing	R
3	Manner of Packing (Packaging material plus compatibility with content)	R
4	Specifications for primary packaging	R
5	Specifications for secondary package	R
6	Specifications for transport package	R
7	Manner of Labelling	R
8	Instructions for storage and use, etc.	R

9	Information regarding disposal of used package.	R
	R- Required	

Sub category 4.2.5: Guidelines for the registration of herbal / botanical plant regulators under section 9(3) of Insecticides Act, 1968

(Approved by the registration Committee in its 161st RC meeting held on 06.03.1996)

A.	CHEMISTRY	
1	Source	R
2	Composition	R
3	Identity of the a. i. and Physico-chemical properties	R
4	Method of extraction in details (Manufacturing process)	R
5	Specifications	R
6	Chemical method of analysis only.	R
7	Shelf-life	R
8	Test Report	R
B.	BIO-EFFICACY	
1	Two seasons multi-location data on bio-effectiveness and phytotoxicity.	R
2	Compatibility - If the product is proposed to be mixed with other chemicals, data on compatibility are required to be submitted.	R
3	Registration status in other countries	R
4	One season data on persistence in soil and plants.	R
5	Bio-efficacy claims on the labels & leaflets as per guidelines approved by Registration Committee.	R
C.	TOXICITY	
1	Acute oral toxicology study in rats and mice.	R
2	Acute dermal toxicology study in rats and rabbits.	R
3	Primary skin irritation	R
4	Irritation to mucous membrane	R
5	Actual oral toxicity to birds (Chicken & Pigeons)	R
6	Toxicity to Honeybees	R
7	Toxicity to fish	R
	Data / information on following parameters are also required to be submitted.	
	Long Term Toxicity	R
i.	Neuro-behavior toxicity	R
ii.	Mutagenicity	R
iii.	Carcinogenicity	R
iv.	Effect on reproduction	R
v.	Health records of workers / spray operators as per the protocol.	R
D.	PACKAGING AND LABELLING	
1	Label and Leaflets	R
2	Type of packing	R
3	Manner of Packing	R
4	Content container compatibility	R
5	Manner of Labelling	R
6	Specifications of packing	R
	i. Primary packing	R

	ii. Secondary packing	R
	iii. Transport packing	R
7	Instructions for storage and use	R
8	Disposal of empty containers	R
	R- Required ; NR- Not required.	

Sub category 4.2.6: Guidelines for the registration of neem-based products containing Azadirachtin to be used as household insecticides

(Approved by the registration committee in its 186th RC meeting)

	PARAMETER	9(3B)	9(3)
A.	CHEMISTRY		
	The common name of the household insecticides which is to be printed on the labels and leaflets should also contain minimum percentage of Azadirachtin content.	R	R
1	Chemical composition and allied data requirements.		
	Source of supply of the technical grade material / neem extract concentrate with minimum purity to be used in the formulation should be given.	R	R
2	Chemical Composition		
2.1	Complete chemical composition of the formulation should be submitted.	R	R
2.2	Complete identity and physico-chemical characteristics of various ingredients used in the formulation should be submitted.	R	R
2.3	The chemical composition for the formulation should include the kind, name and percentage of all the ingredients that is to be used in the formulation.	R	R
2.4	The active ingredients in the house hold insecticides should be only Azadirachtin and other constituents associated during extraction of neem. Seed Kernel free from aflatoxin.	R	R
3	Specifications		
	Specification depending on the coding of the product as per BIS format alongwith undertaking for quality should be submitted.	R	R
4	Analytical test report	R	R
	The analytical test report giving the analysis of a particular batch of all the parameters included in the specifications should be submitted from an independent reputed national / international laboratory.	R	R
5	Shelf-life claim		
	An underting regarding shelf life claim should be submitted	R	R
6	Shelf-life data		
	Shelf life data as per existing guidelines in support of shelf life claim should be submitted.	NR	R
7	Method of analysis		
	Method of analysis should be submitted (whereever BIS method is available, the same should be submitted). The sample of the product and reference standard should be submitted. Detailed method of extraction of the active ingredient and process of formulation should be submitted.	R	R
B.	BIO-EFFICACY		
1	Bio-effectiveness		
	i. Bio-efficacy data generated at National Laboratories	R (Two National Labs)	R (Three National Labs)
2	Residual Toxicity	R	R

	i. Bio-efficacy tests on the proposed formulations should be conducted under Indian conditions at National Laboratories	R (Two National Labs)	R (Three National Labs)
	ii. Data on persistence on residual toxicity of insecticides on different type of surfaces should be generated.	R (Two National Labs)	R (Three National Labs)
3	General Information on label / leaflets		
	i. A brief direction concerning the major uses of the insecticide should be given on the labels.	R	R
	ii. Instruction regarding Insecticide : Not to be used on any food crops" to be given both on label and leaflets	R	R
	iii. Detailed information on the uses of Insecticide indicating the name of insects, method of application, dosage, places of treatments, Plant Protection Equipments to be used etc. should be given in the leaflets.	R	R
C.	TOXICITY		
1	Acute oral toxicity rat.	R	R
2	Acute oral toxicity mice	R	R
3	Acute dermal toxicity	R	R
4	Acute inhalation toxicity*	R	R
5	Primary skin irritation	R	R
6	Irritation to mucus membrane	R	R
7	Neuro-behavioral toxicity	NR	R
8	Reproduction toxicity	NR	R
9	Carcinogenicity	NR	R
10	Mutagenicity	NR	R
11	Health monitoring study of the users and /or spray operators by using the household pesticide in actual use. These studies shall be conducted as per the protocols approved by the Registration Committee.	NR	R
	* To be submitted for only category III household insecticides which emit vapours e.g. mats and coils etc.		
D.	PACKAGING AND LABELLING		
I.	Label and Leaflets		
	i. 7 copies of labels and leaflets prescribed for small size container upto 250 ml. capacity as per provisions of Insecticides Rules, 1971.	R	R
	ii. 7 copies of labels and leaflets prescribed for large size container above 250 ml. capacity as per provisions of Insecticides Rules, 1971.	R	R
II.	Type of Packaging		
	i. Information about the packaging materials proposed packaging of the product in retail or bulk.	R	R
	ii. Data on compatibility of the packaging materials with the content as per the method prescribed in relevant IS standard.	R	R
	iii. Information / data on suitability of the proposed packaging system for protecting the content through out the shelf life.	NR	R

	iv. Information on the proposed packaging materials regarding its incorporation in IS standard / Environment friendly notification by the Ministry of Environment.	R	R
III.	Manner of Packaging		
	i. Information regarding filling, sealing of closure system, pilfer proofness, leakproofness on primary packaging, secondary packaging and transport packaging.	R	R
	ii. Undertaking for the use of pilfer proof, leak proof and easily disposable container for packing the product	R	R
IV.	Transportation		
	Undertaking for safe storage, handling and transportation of the product.	NR	R
V.	Manner of Labelling		
	i. Information as per provisions 18 & 19 of Insecticides Rules, 1971 should be furnished	R	R
	ii. Instruction for storage and use including precautionary measures should be proposed.	R	R
	iii. Instructions regarding disposal of used material and washing of insecticides should be proposed.	R	R
	R- Required		
	NR- Not required.		

Sub Category 4.3: Guidelines for the Registration of Pheromones / Semio Chemicals

Definitions as per OECD:

- ❖ Semio-chemicals are chemicals emitted by plants, animals, and other organisms, and synthetic analogues of such substances, that evoke a behavioural or physiological response in individuals of the same or other species. They include pheromones and allelo-chemicals. Here, Semio-chemicals refers to only those that affect the behavior of arthropods.
- ❖ Pheromones are Semio-chemicals produced by individuals of a species that modify the behavior of other individuals of the same species (i.e. an intra-specific effect).
- ❖ Straight-chained lepidopteran pheromones (SCLPs) are a group of pheromones consisting of un-branched aliphatic having a chain of nine to eighteen carbons, containing up to three double bonds, ending in an alcohol, acetate or aldehyde functional group.

Data requirements for the registration of pheromones / Semio Chemicals

A. Chemistry

Technical for import/indigenous manufacture:

S No	Parameters	9 (3b)	9(3)	9(4)
1.	Active ingredient/Tech conc.	R	R	R
2.	Chemical composition (If impurities in SCLP are also SCLPs, they should be summed-up)	R	R	R
3.	Chemical name (s)	R	R	R
4.	Common name	R	R	R
5.	Physical chemical properties	R	R	R
6.	Manufacturing process	R	R	R
7.	Analytical Test Report from GLP/ NABL accredited laboratory	R	R	R
8.	Storage condition with special reference to temperature	R	R	R
9.	Source of import (In case of import only)	R	R	R
10.	Sample for PRV purpose	R	R	R
11.	Purpose of import/indigenous manufacture	R	R	R

TECHNICAL FOR IMPORT/INDIGENOUS MANUFACTURE:

1. Active ingredient
2. Laboratory test: Lure manufactured from the particular ingredient will be tested by using wind tunnel and should demonstrate minimum 50% attractancy.

LURE/DISPENSER FOR IMPORT/MANUFACTURE:

1. Laboratory test; The lure/dispenser should demonstrate at least 50% attractacy using the wind tunnel.
2. Field test: The data on bio-efficacy based on two seasons field trials from two different agro-climatic conditions in the form of authentic/published report.
3. Compatibility: No data on compatibility are required unless the product is recommended for use in combination with pesticides or other agrochemicals.
4. Time and method of application: Information on timing, disruption is to be furnished.
5. Intended uses.
6. Mode of action and degree of specificity.
7. Target pest (s) and crops or premises to be protected.
8. Application rate.
9. Manner, rate and frequency of application.
10. Limitations of use.

Note: As per decision of 248th meeting of R.C. Pheromones used for monitoring and mass trapping are not covered under the various provisions of the Insecticides Act, 1968.

B. Bio-efficacy

S. No.	Particulars	9 (3b)	9(3)	9(4)
1.	Active ingredients	R	R	No bio-efficacy data required. Claim will be granted as per approved formulation u/s 9(3).
2.	Laboratory test (attractancy): Lure manufactured from the particular ingredient will be tested by using wind tunnel and should demonstrate minimum 50% attractancy	R	R	
LURE/DISPENSER FOR IMPORT/MANUFACTURE:				
3.	Laboratory test: The lure/dispenser should demonstrate at least 50% attractancy using the wind tunnel.	R	R	
4.	Field test	The data on bio- efficacy based on two seasons field trials from one agro-climatic conditions in the form of authentic/published report.	The data on bio-efficacy based on two seasons field trials from two different agro-climatic conditions in the form of authentic/pub lished report.	
5.	Compatibility: No data on compatibility are required unless the product is recommended for use in combination with pesticides or other agrochemicals.	R	R	
6.	Time and method of application: Information on timing, disruption is to be furnished.	R	R	
7.	Intended uses.	R	R	
8.	Mode of action and degree of specificity.	R	R	
9.	Target pest (s) and crops or premises to be protected.	R	R	
10.	Application rate.	R	R	
11.	Manner, rate and frequency of application.	R	R	
12.	Limitations of use.	R	R	

Note: As per decision of 248th meeting of R.C. Pheromones used for monitoring and mass trapping are not covered under the various provisions of the Insecticides Act, 1968.

SPECIFICATIONS FOR PHEROMONE TRAPS AND LURES

The committee after detailed discussions on the existing specification of various models of pheromone traps decided not to make any change in these specifications. However, these specifications may further be examined by SAU and SDAS of various States:

Funnel shaped trap: This trap is generally used for trapping the moths of *Helicoverpa armigera*, *Spodoptera litura*, *Earisa spp.* etc.

Colour: Any colour other than black.

Structure: The funnel trap may have three parts (1) canopy (2) funnel shaped “trap base” and (3) a collection device.

Canopy: Dia : 120-160mm

Thickness : 1.0-3.0mm (There should be a provision for fixing the canopy to the “trap base” and also the (pheromone lure)

Trap base:

Dia of the mouth : 75- 20mm ; Height of funnel : 45-190mm ; Dia of the bottom hole :20-30 mm

Should possess a “L” or “T” shaped handle or any other device by which the other device by which the “trap” may be fixed to the support. The “Trap base” may be provided with 2 to 4 stalks for fixing the canopy to the “trap base”. The canopy should be firmly rest on stalks so that the canopy is not dislodged due to wind.

Collection device: It should be made of polythene or other suitable material. It should withstand wind, temperature and rain water. Should be fixed to the “trap base” in such a way that the device remains attached to the trap under field conditions.

II. Sticky trap (for pink boll worm etc.):

- * Corrugated DVC, Plastic laminated card board, tin or any other suitable material that should be water-proof.
- * The sticky glue should be non- drying.
- * The outer surface of trap should be water proof.
- * The colour may be except black.
- * There should be provision for fixing the trap for support.

III. Fly trap (For fruit/vegetable flies):

- * Material construction as described in sticky/funnel trap.
- * Any colour except black.
- * Should withstand rainfall, heat/temperature and wind.

* Should be structured in such a way that the trap is escape proof.

Specification of Lures:

1. Lure made of sulphur free rubber/polypropylene/PVC, Impregnated with specific pheromone blends.
2. Field efficacy should be minimum for 15 days after application.
3. Impregnated lures should be packed singly in individual tri laminated pouches with 30 M1 Aluminum foil.
4. Shelf-life of Lure in original pack should be minimum 6 months at room temperature.
5. Lures should attract insect species only, with 50% insect attractancy by pheromone/lure/dispenser by using wind tunnel method.

C. Toxicology

S. No	Parameters	Semio-chemicals / pheromones		
		9(3b)	9(3)	9(4)
1.	Acute oral toxicity- rat	R	R	No data required if chemical equivalence is established with 9(3) registrant
2.	Acute dermal toxicity- rat	R	R	
3.	Acute Inhalation – rat	R	R	
4.	Primary Skin Irritation - Rabbit	R	R	
5.	Primary Eye Irritation - Rabbit	R	R	
6.	Skin Sensitization - Guinea pig	R	R	
7.	Sub- acute oral- rat	NR	NR/R	
8.	Sub-acute dermal	NR	NR/R	
9.	Sub- acute inhalation	NR	NR/R	
10.	Neurotoxicity	NR	NR/R	
11.	Teratogenicity	R	NR/R	
12.	Effect on Reproduction	NR	NR/R	
13.	Carcinogenicity/chronic toxicity/combined toxicity study*	NR	NR/R	
14.	Metabolism	NR	NR/R	

15.	Mutagenicity (AMES + 2 in-vitro +1 in-vivo)*	R	NR/R
16.	Cellular immune response	R	R
17.	Toxicity to bird (2species)*	R	NR/R
18.	Toxicity to fresh water fish	R	NR/R
19.	Toxicity to Honey bees	NR	NR/R

Note:

1. Lepidopterean Pheromones that are naturally occurring compound designated by an unbranched aliphatic chain (between 9 and 18 carbons) ending in an alcohol, aldehyde or acetate functional group and containing up to 3 double bonds in aliphatic backbones can be exempted from the sub-acute toxicity carcinogenicity, effect on reproduction and metabolism if their use rates do not exceed 150 gm/acre/year with Good Agricultural Practices (GAP) and used in solid matrix dispensers.
2. For formulation products no toxicity data are required unless it is added with some other pesticides.
3. Data for 9(3) will be conditionally required on case to case basis.

***Please refer to guidance document on toxicology for registration of chemical pesticides in india.**

Note:

- 1) The general recommendations as mentioned in the Guidance document on Toxicology for registration of chemical pesticides in India will also be applicable for registration of Semio-chemicals / Pheromones on merit case to case basis.
- 2) Waiver would be considered when existing information provides robust and full scientifically sound weight of evidence approach and based on read across/bridging from structurally and /or biologically related similar pesticides, physicochemical/biological properties and use and exposure patterns case to case basis
- 3) The replacement alternatives not involving experiments on animals would be considered and accepted in those cases where data from valid 3Rs (Replacement, Reduction and Refinement) methods recognized by OECD and other renowned Regulatory Authorities is provided wherever applicable, case to case basis.

D. Packaging

Sl. No.	Parameter	Semio-chemicals (pheromones)		
		9(3b)	9(3)	9(4)

1.	Labels and Leaflets per IR-1971, all fields (as applicable) and as amended from time to time	R	R	R
2.	Manner of labeling and Leaflet	R	R	R
3.	Type of packaging (Ultra small, small or Big whichever is applicable)	R	R	R
4.	Manner of packaging	R	R	R
5.	Specification for primary, Secondary and Transport packages (whichever is applicable)	R	R	R
6.	Details of packaging material and its compatibility with content	R	R	R
7.	Performance of container with content during storage stability test(Shelf life Study)	R*	R	R
8.	Transport worthiness test	R*	R	R

R*- Before Commercialization the data will be required.

Note:

1. In case of additional packaging endorsement applications, the data at Sl. No. 05, 06, 07& 08, are not required if similar packaging (material) is being sought by the applicant as has been granted to earlier 9(3) registrant.
2. Specification of Bureau of Indian Standard (BIS) must be followed for all the packaging requirements (Wherever available and applicable).
3. All Packaging tests must be carried out with the product of same batch and in its commercial package preferably in Indian condition.
4. The duration of the test and the conditions including geographical conditions must be mentioned.
5. Storage stability data should be generated keeping at least the following parameters in test protocol such as test temperature, test duration, test packaging material, content of active ingredient (a.i.) and relevant impurities in the product during and after storage, test humidity, exposure to light, physical and chemical properties of the product during and after storage etc.
6. The testing protocols must have their basis in the WHO/FAO/ CIPAC/ASTM recommendations or other validated methodology of GLP/ NABL accredited laboratory having packaging testing (chemical / mechanical as applicable etc.) in the scope.
7. The Accelerated storage study (ASS) test must be conducted at $54 \pm 2^{\circ}\text{C}$ (wherever applicable) for 14 days as per FAO/ WHO manual for claiming appropriate shelf life of the product which can be maximum two years, subject to the condition of providing the ambient storage stability study data of thirty months or as the case may be within thirty months from the date of application for the registration.

Foot Note: *As per 397th RC meeting (Agenda 3.12), repeat registration for same strain/compound of Bio pesticides/botanical products and pheromones should be granted u/s 9(3) instead of 9 (3b) considering the fact that these have already been introduced in the country as per relevant provision of the Act and accepted the above suggestion in principle.*

**CATEGORY: 5. GUIDELINES FOR THE REGISTRATION OF
PESTICIDES FOR OTHER PURPOSES (i.e. HOUSEHOLD, PUBLIC
HEALTH, AIR CRAFT DISINFECTANT, ANY OTHER)**

SUBCATEGORY: 5.1. GUIDELINES FOR THE REGISTRATION OF HOUSE HOLD INSECTICIDES

(Reference of 211th meeting of RC held on 30-05-2001 based on approval of 93rd meeting of 28-08-1987 and additions based on approval in 266th meeting of 20-07-2006).

Household pesticides are commonly used indoors to control pests such as ants, cockroaches, houseflies, mosquitoes, fleas, ticks, bedbugs, termites, rodents, mites and microbes. ... Household pesticides may contain one or a combination of active ingredients of synthetic (chemical) or natural (plant or microorganism) origin.

GENERAL REQUIREMENT:

1. All household pesticides as defined must be manufactured only from the technical grade pesticides which are registered under the Insecticides Act, 1968
2. Data on household pesticides formulation shall be considered along with the data on technical grade pesticides and not in isolation.
- 3.

CHEMISTRY:

The common name of the household insecticides which is to be printed on the labels and leaflets should be written as household pesticides containing 'x'...% w/w 'y'....% w/w and 'z'.....% w/w etc.

1. **Source of Supply of the Technical grade** material with minimum purity to be used in the formulation.
2. **Chemical Composition**
 - 2.1 **Complete Chemical composition of the formulation**
 - 2.2 **Complete data on identity and Physico - Chemical Properties of various ingredients of the formulations.**
 - 2.3 The Chemical composition for the formulation should include the kind, Name & Percentage of all the ingredients that is to be used in the formulation.
 - 2.4 The number of active ingredients in household combination product should not be more than two. However, if any applicant is able to submit satisfactory method of analysis for more than two a.i. in the combination product, the committee may consider such request on its merit.
3. **Specification**
 - 3.1 Wherever no specifications are available, the registration secretariat may harmonize specification evolving its own procedure.
4. **Analytical Test Report**
 - 4.1 The ATR giving analysis of a particular batch of all the parameters included in the specifications shall be submitted from an independent reputed National / International laboratory.
5. **Shelf-life Data**

5.1 The expected shelf-life claim for the product along with the supporting data, be submitted. This data should conform to the guidelines prescribed by the central Insecticides Board.

6. Method of Analysis

6.1 Wherever applicable ISI methods of analysis are followed.

6.2 The method for the analysis of various a.i. used in a formulation be provided. As far as possible, single multiple pesticides analysis methods be suggested.

6.3 For identification of a.i. in the formulation, suitable quantitative methods may be developed and provided followed by detailed analysis as per 6.2 above.

7. Process of Manufacture

7a. Information about Raw Materials Used & Their Source of Supply.

7b. Step-wise Manufacturing Process.

7c. Flow sheet diagram of process of manufacture

8. Effluent Treatment method

9. The applicant should provide sample along- with standards technical sample from the principals/ authorized dealers for chemical verification.

10. Methodology for residue estimation as per BIS format.

(Above 7-10 are added, based on approval of 266th meeting of RC held on 20-07-2006)

DATA REQUIREMENTS FROM BIOEFFICACY AND RESIDUE PARAMETERS:

A. Bio-efficacy claims in case of formulation

(1) Bio-efficacy claims to be given on the labels

(i) A brief direction concerning the major usages of the pesticides should be given on the labels.

(ii) Whenever the Registration Committee has approved the product for restricted use, this should be indicated very clearly on the labels in capital letters. 'For use only'.

(iii) Instruction regarding Insecticide 'Not to be used on any food crop to be given'.

(2) Bio-efficacy claims to be given on the leaflets

(i) Detailed information on the usages of insecticide indicating the name of insects, method of application, dosage, places of treatment, PP equipment to be used etc. should be given in paragraphs forms. Common name of the insects should be given.

(ii) Whenever the registration committee has approved the product for restricted use, this fact should be indicated very clearly on the leaflets in bold letters.

(iii) Instructions regarding Insecticides 'Not to be used on any food crop to be given'.

B. Bio-efficacy claims to be given on the labels and leaflets in case of technical grade material.

1. The purpose of import/manufacture of technical grade material is required to be given on the labels and leaflets.

C. Data requirements on Bio-efficacy and Residues for formulation of pesticides for provisional registration of U/s 9(3B).

(I) The applicant should submit published / cited Indian data on bio-effectiveness in support of the claims indicated on the labels / leaflets.

The data should be produced from 2 National laboratories based on minimum 2 repeated trials. This should be further supported with any published information available from elsewhere (overseas data).

(II) Information on secondary pests outbreaks particularly of ticks and mites should be given where residual pyrethroids are being used.

(III) Data on Residues:

Data on persistence, of the pesticides which should be on different types of surfaces should be submitted / generated obtained under foreign / Indian conditions from 2 laboratories. This may also be supported by data generated elsewhere.

(IV) Data on concentration of a.i. in Air - for Aerosols (e.g. Coil, mats, liquid vaporizer etc.). (Added based on approval in 266th meeting of RC held on 20-07-2006)

(V) Registration Status in foreign countries. (Added based on approval in 266th RC meeting)

D. Data requirements on Bio-efficacy & Residues data requirement for regular registration of formulations of pesticides U/s 9(3):

(i) Bio-efficacy test on the proposed formulations should be conducted under Indian conditions minimum on two trials in each three national laboratories.

(ii) Data on persistence of pesticides on different types of surfaces should be generated in three national laboratories wherever applicable.

(iii) Information on secondary pests outbreaks particularly of ticks and mites should be given where residual Pyrethroids are being used.

(iv) Data on concentration of a.i. in Air - for Aerosols (e.g. Coil, mats, liquid vaporizer etc.). (Added based on approval in 266th meeting of RC held on 20-07-2006)

(v) Registration Status in foreign countries. (Added based on approval in 266th RC meeting)

E. Data requirements for the registration of new formulations of the approved pesticides

Data on bio-effectiveness and persistence on different surfaces as required in case of Registration of formulations for regular registration under section 9(3).

F. Data required for combination products

Bio-efficacy data on combination products v/s individual products. Data on persistence on different types of surfaces should also be submitted. All above data should be generated as per the requirement indicated in case of pesticides required for regular registration under section 9(3).

G. Methodology:

Flying/crawling insects

Residual films of insecticides prepared by spraying insecticides on different types of surfaces, such as Glass, Wood, Mud & Cement surfaces. Insects to be exposed for 30 minutes and then shifted to recovery chambers for 24 hours after which the mortality count should be made and the satisfactory mortality of insects would be more than 90%. The residual toxicity of insecticides should also be studied at different intervals., Evaluation of space spray against flying insects should be conducted in PEET GRADY Chamber as per standard ISI specification 1824, mats/coils could also be evaluated inside the Peet Grady Chambers against caged mosquitoes and the knock down effect is to be recorded at different intervals. Aerosols are to be evaluated inside a standard room. The tests are to be conducted as per WHO technical reports series No. 206.

PACKAGING & LABELLING DATA REQUIREMENTS

Guidelines on the data requirements for the packaging & Labelling for the grant of registration of Household products of Pesticides formulations.

Type of formulation	Physical state of formulation
	Solid - coil, cake-mat, liquid, paste, aerosol and others.
1. Proposed labels	As per Insecticides Rules, 1971 / Existing norms of the Registration Committee.
2. Proposed leaflets	As per Insecticides Rules, 1971 / Existing norms of the Registration Committee.

3. Manner of Packaging

- (1) In general, the requirements for packaging of household pesticides are governed according to IS: 8190 (part-III)-1979 and amendment thereof, if any.
- (2) Glass bottles of glass used as primary packaging material is not permitted for household pesticides
- (3) Details of points (a) to (d) as under should be submitted. If the packaging material dose not conform to IS specifications.
 - (a) Specification for primary packages.
 - (b) Specification for secondary package
 - (c) Specification for transportation packaging.
 - (d) History of conventional usage of packaging.

4. **Compatibility:** if the compatibility of container with pesticides is already established the relevant Indian Standards number for said packaging material may be quoted. In case compatibility is not established detailed specifications for primary package is required to be furnished indicating dimension, material construction design etc. along with test reports with reference to physico-chemical requirements for field trial/studies for transport worthiness. The analysis report should be according to relevant Indian standards specifications on packaging and

quality control or as per specifications/test methodology, approved by the Registration Committee.

5. Instructions for storage and use including first aid and precautionary measures proposed for labelling
6. Information regarding disposal of used package, surplus material and washing of insecticides proposed for labelling.

TOXICITY - TOXICOLOGICAL DATA REQUIREMENTS

Category - 1 (Solid)

1. Acute oral Rat
2. Acute Dermal- Rat / Rabbit
3. Acute inhalation-Rat
4. Primary Skin Irritation- Rabbit
5. Acute Eye Irritation- Rabbit
6. Skin Sensitization Test
7. Medical data
8. Human toxicity information from foreign countries

Category - II (Liquid)

1. Acute oral Rat
2. Acute Dermal- Rat / Rabbit
3. Acute inhalation-Rat
4. Primary Skin Irritation- Rabbit
5. Acute Eye Irritation- Rabbit
6. Skin Sensitization Test
7. Medical data
8. Human toxicity information from foreign countries

Category - III (Vapours)

1. Same as category II

Health monitoring study of the user by using the household pesticides in its actual use. The symptoms and signs as a result of sub-acute chronic or delayed effects on man from single or multiple exposure to the product shall be observed and submitted to the RC.

There would be two types of House-hold products from the view point of safety viz:

- I. Ready- to - use formulations for house- hold purposes;
- II. Concentrated forms of formulations to be used only by the pest control operators, commercial establishments, Government agencies, for large scale disinfestations etc. However, in case of specific requirements, the type I for use in concentrated form could be considered by the committee on merit basis.

REFER TO 'TOXICITY DATA REQUIREMENTS FOR CHEMICAL PESTICIDES' OF 'GUIDANCE DOCUMENT ON TOXICOLOGY FOR REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.'

Note: The application may be submitted according to the Checklist for submission of application in 5 folders for Registration of Pesticides U/s (3) / 9(3B).
-Reference icon 'Checklists' on the website.

Sub category: 5.2. Guidelines for Registration of Insecticides for Use in Public Health Programme u/s 9(3)

1. Bio-efficacy data generated by ICMR / MOH&FW Institutes based on multi-centric three years / seasons as per their protocol (Bio-efficacy data must be generated as per the Common Protocol for Evaluation of Public Health Pesticides for use in Vector Control published by Indian Council of Medical Research (ICMR), 2023)
2. For WHOPES recommended insecticides, Phase I data is exempted (As per 449th RC decision, Vide agenda item no. 10.32 and Annexure 10.32.1)
3. Other data w.r.t Chemistry, Bio-efficacy, Toxicity & Packaging shall be as per the requirements of General Guidelines for Registration of Insecticides.
4. Data requirement from Toxicity angle
 1. Acute oral Rat
 2. Acute Dermal- Rat / Rabbit
 3. Acute inhalation-Rat
 4. Primary Skin Irritation- Rabbit
 5. Acute Eye Irritation- Rabbit
 6. Skin Sensitization Test
 7. Acute Avian toxicity *
 8. Acute toxicity to Fresh Water Fish (One species)

Recommendations from National Vector Disease Control Program, M/o Health & Family Welfare are required. For LLIN: Acute toxicity studies (Six pack) i.e. S.No. 1 to 6 are required with Premix and health monitoring studies in users as per approved protocol is required with final product.

REFER TO ‘TOXICITY DATA REQUIREMENTS FOR CHEMICAL PESTICIDES’ OF ‘GUIDANCE DOCUMENT ON TOXICOLOGY FOR REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.’

**Sub category : 5.3. Guidelines for the registration of insecticidal formulation for use in
air craft disinfection**

(Approved by the Registration Committee in its 280th RC meeting held on 6th September 2007)

General requirement

All insecticides for aircraft disinsection must be manufactured only from the technical grade insecticides which are registered under the Insecticides Act, 1968

Data on insecticides formulation shall be considered along with the data on technical grade insecticides and not in isolation.

Data requirement from Chemistry parameters The common name of the aircraft disinsection insecticides which is to be printed on the labels and leaflets should be written as aircraft disinsection insecticide containing 'X'..... %w/w and 'Z'.....%w/w etc.

- 1 Chemical composition and allied data requirement
- 1.1 Source of supply of the technical grade material with minimum purity to be used in the formulation should be given.
- 2 Chemical composition
- Sample analysis to be carried out in the Central Insecticide Laboratory (CIL), DPPQS, Faridabad.
- 2.1 Complete chemical composition of the formulation should be submitted.
- 2 Complete data on the identity and physico-chemical characters of various ingredients of the formulation should be submitted.
- 2.3 The chemical composition for the formulation should include the kind, name and percentage of all the ingredients that is to be used in the formulation.
- 2.4 "The number of active ingredients in the aircraft disinsection combination product should not be more than two. However, if any applicant is able to submit satisfactory method of analysis for more than two active ingredients in the combination product, the Committee may consider such request on its merit".

Specification

Wherever no specifications are available, the Registration Secretariat may harmonize specification evolving its own procedure.

Analytical Test Report

The analytical test report giving the analysis of a particular batch of all the parameters included in the specifications shall be submitted from an independent reputed National/International laboratory.

Shelf life data

The expected shelf life claim for the product along with the supporting data be submitted. This data should confirm to the guidelines prescribed by the Central Insecticides Board.

Method of analysis

Wherever available, an BIS method for analysis is followed.

The methods for the analysis of various active ingredients used in a formulation be provided. As far as possible, single, multiple insecticides analysis method be suggested.

For identification of active ingredient in the formulation, suitable qualitative methods may be developed and provided followed by detailed analysis as for quantification as stated above.

Bio-efficacy claims to be given on the labels

- i A brief direction concerning the major usage of the insecticide should be given on the labels.
- ii Wherever the Registration Committee has approved the product for restricted use, this should be indicated very clearly on the labels in capital letters. 'For _____ use only'
- iii Instructions regarding insecticide 'Note to be used on any food as well as crops to be given'.
Bioefficacy claims to be given on the leaflets
 - i Detailed information on the usage of insecticide indicating the names of insects, method of application, dosage, places of treatments, appliances to be used etc. should be given in paragraph forms. Common name of the insects should be given.
 - ii Wherever the Registration Committee has approved the product for restricted use, this fact should be indicated very clearly on the leaflets in bold letters.
 - iii Instructions regarding insecticide 'Not to be used on any food crop to be given'

Bio-efficacy and residue data

- i Bio-efficacy test on the proposed formulation should be conducted in Indian conditions minimum 2 trials in each of 3 National Laboratories / NABL accredited laboratories, recognized by Government of India.
- ii Data on persistence of pesticides on commonly used surfaces in the aircrafts and concentration in air, as applicable, should be generated in three National Laboratories/ NABL accredited laboratories.

Toxicology

- 1. Acute oral rat
- 2. Acute dermal Rat / Rabbit
- 3. Acute inhalation Rat
- 4. Primary skin irritation Rabbit
- 5. Irritation to mucous membrane Rabbit
- 6. Skin sensitization test

7. Health monitoring studies on spray men and/or volunteers on board as per the protocol to be approved by the Registration Committee

Packaging and labelling

A Type of packaging

- 1 Specification of primary packaging system.
- 2 Specification of secondary packaging system.
- 3 Specification of transport packaging system.

B Manner of packing

Detailed information with reference to method by which inner most pack shall be further packed in secondary and transport packing.

C Container content compatibility study

As per relevant B.I.S. method

D Manner of labelling

Method of labelling as per requirements of Insecticides Rule, 1971 along with direction of use.

E Labels and leaflets

7 copies of labels and leaflets as per requirements of Insecticides Rule, 1971 for

- 1 Small size packing up to 250ml capacity and below
- 2 Large size packing up to 500ml capacity and above.

Note: The above guidelines are for registration of those insecticidal formulations whose technical grade material is registered u/s 9(3) of the Insecticides Act, 1968.

Subcategory 5.4. Guidelines for the registration of Insecticides for the control of Ectoparasites (Mites, Bedbugs Ticks etc.)

(As approved by the registration committee in its 301st RC meeting held on 05.06.2009)

S. No.	Parameter	Technical		Formulation	
		9(3B)	9(3)	9(3B)	9(3)
A.	CHEMISTRY				
1	Source of Supply	R	R	R	R
2	Chemical Composition	R	R	R	R
3	Chemical Identity	R	R	R	R
4	Physico - Chemical Properties	R	R	R	R
5	Technical Bulletin	R	R		
6	Specification	R	R	R	R
7	Method of Analysis	R	R	R	R
8	Analytical Test Report	R	R	R	R
9	Identification& Quantification of identifiable Impurities	R	R		
10a.	Shelf-life claim	R	R	R	R
10b.	Shelf-life Data	NR	R	R	R
11a.	Process of Manufacture	R	R	R	R
11b.	Information about Raw Materials Used	R	R	R	R
11c.	Their Source of Supply.	R	R	R	R
11d.	Step-wise Manufacturing Process.	R	R	R	R
11e.	Chemical Equation	R	R	NR	NR
11f.	Formula	R	R	R	R
11g.	Flow sheet diagram of process of manufacture	R	R	R	R
11h.	Effluent Treatment method	R	R	R	R
12	Documents such as registration certificate / manufacturing licence or any other approval under any Govt. regulation will be acceptable to support that manufacturer is actual producer (source in case of import)	R	R	NR	NR

13	Certificate from manufacturer that the dealer/ trader is an authorized dealer/ trader of the manufacturer (Authorization of supplier by the source).	R	R	R	R
14	A test report about the quality of the product from a laboratory as per GLP scheme or from a company of ISO-9000. This requirement will be provided along with first consignment. Thereafter, each consignment should have proper analytical test report of the manufacturer.	R	R	R	R
15	The applicant should provide sample along- with standards, technical sample from the principals/ authorized dealers for verification of the claim and the method of analysis for quality monitoring. In case of technical grade pesticides, samples of std. impurities are also to be provided for chemical verification. In process sample to be provided with undertaking	R	R	R	R
16	Methodology for residue estimation as per BIS format.	R	R	R	R
B.	BIOEFFICACY & RESIDUES				
17	Bioeffectiveness – data generated in National/ ICAR/SAU Laboratories [three for 9(3) and 2 for 9(3B)] against the claimed pest based on repeated trials.	NR	NR	R	R
18	Effect on layers (duration 3 months, study to commence preferably at the age of 40 weeks) - data generated in National/ ICAR/SAU Laboratories [three for 9(3) and 2 for 9(3B)] on	NR	NR	R	R
	(i) change in body weight,				
	(ii) feed in take, water intake, Feed Conversion Ratio (FCR)				
	(iii) mortality and morbidity pattern,				
	(iv) * Clinical symptoms/morphological changes in organs,				

	(v) * Blood profile and Enzymology,				
	(vi) egg production records for 15 days				
19	Metabolism in soil	R	R	NR	NR
20	Metabolism in water	R	R	NR	NR
21	Persistence in soil	R	R	NR	NR
22	Persistence in water	R	R	NR	NR
23	Persistence and residue on treated surface	NR	NR	R	R
24	Compatibility with other chemicals, if claimed	NR	NR	R	R
25(a).	Residues in various organs of birds and edible products	NR	NR	R	R
	Residue in birds excreta	NR	NR	R	R
25(b).	Residue tolerance limits fixed by foreign countries	R	R	R	R
.	Registration status in foreign countries	R	R	R	R
C.	TOXICITY	R	R	R	R
26	Acute oral in rat	R	R	R	R
27	Acute dermal	R	R	R	R
28	Acute inhalation	R	R	R	R
29	Primary skin irritation	R	R	R	R
30	Irritation to mucous membrane	R	R	R	R
31	Skin sensitization	R	R	R	R
32	Sub-acute oral rat	R	R	NR/R	NR/R
33	Sub-acute oral dog	R	R	NR/R	NR/R
34	Sub-acute dermal	R	R	NR/R	NR/R
35	Sub-acute inhalation	R	R	NR/R	NR/R
36	Neuro-toxicity	NR	R	NR	NR
37	Synergism & potentiation	NR	R	NR	NR/R
38	Teratogenicity	NR	R	NR	NR
39	Effect on reproduction	NR	R	NR	NR
40	Carcinogenicity	NR	R	NR	NR
41	Metabolism	NR	R	NR	NR
42	Mutagenicity	NR	R	NR	NR
43	Toxicity to birds (two species other than poultry)	R	R	R	R

44	Toxicity to fish	R	R	R	R
45	Toxicity to earthworm	R	R	R	R
46	Toxicity to live stock	R	R	NR	NR
47	Medical data	R	R	R	R
48	Human toxicity information from foreign countries	R	R	NR/R	NR/R
49	Observation in man (Health records of spray operators)	NR	NR	NR	R
50	Health records of Industrial workers.	NR	R	NR	R
51	Toxicity to live stock (Field trial & observation)	NR	R	NR	NR
52.	International report on carcinogenicity & genotoxicity status	NR/R	R	NR/R	NR/R
D.	PACKAGING AND LABELLING				
53	Labels and leaflets as per IR-1971 existing norms (i) for size 250 ml & below (ii) for 500 & above.	R	R	R	R
54	Labels to contents				
a.	Detailed Chemical composition	R	R	R	R
b.	Purpose for import / manufacture.	R	R	R	R
c.	Antidote	R	R	R	R
d.	Toxicity triangle	R	R	R	R
e.	Cautionary statement	R	R	R	R
f.	Brief direction concerning usages	R	R	R	R
g.	Restriction if any	R	R	R	R
55	Leaflets to contain				
a.	Detailed Chemical composition on leaflets accompanying small labels (upto 250 ml size container)	NR	NR	R	R
b.	Introductory para about the pesticide	R	R	R	R
c.	Detailed directions concerning usages	R	R	R	R
d.	Time of application	NR	NR	R	R
e.	Application equipment	NR	NR	R	R
f.	Waiting Period	NR	NR	R	R
g.	Symptoms of poisoning	R	R	R	R
h.	First aid measures	R	R	R	R
i.	Antidote & treatment	R	R	R	R

j.	Restriction, if any	R	R	R	R
k.	Instruction for storage	R	R	R	R
l.	Information regarding disposal of used packages.	R	R	R	R
56	Type of packaging (pkg material + compatibility with content)	R	R	R	R
57	Manner of packaging	R	R	R	R
58	Specification for primary package	R	R	R	R
59	Specification for secondary packaging.	R	R	R	R
60	Specification for transport packaging, including UN Number	R	R	R	R
61	Manner of labelling	R	R	R	R
62	Performance of container during storage stability test	NR	R	NR	R

* To be scrutinized by the Toxicity expert; R : Required; NR-Not required

Note: In case of Import of formulation without registering technical, whole set of data on technical shall be submitted along with the application

Sub category 5.5: Guidelines for the registration of Biocide and Biocide Products (Manufacturing Use Product)

(Approved by the registration Committee in its 389th RC meeting held on 13.06.2018 and 15.06.2018)

Biocidal products are necessary for the control of organisms that are harmful to human or animal health and are required for the control of organisms that cause damage to natural or manufactured materials. These substances usually contains pesticides and can pose risks to humans, animals and the environment due to their intrinsic properties and associated use patterns and hence are required to be regulated under the Insecticide Act, 1968 and the Insecticide Rule, 1971, in order to ensure safety to human, animals and environment.

The purpose of these guidelines is to ensure safety of workers and the general public at large while handling and use of Biocides and products containing biocides and to provide guidance on its regulatory requirements under the Insecticides Act, 1968.

When the sole purpose of incorporation of biocide in the product (paint) is to protect the product (paint) itself, and no label claims are made for inhibiting the growth of micro organisms which may cause odours or to inhibit the growth of mould and mildews or repelling or killing insects, then such products (paints) do not require registration under the Insecticides Act, 1968.

Guidelines for use of biocide in paint by the paint industry as preservatives to enhance the shelf life of the paints

The biocide (whether technical or formulated biocide product) used in paint by paint industry as preservatives to enhance the shelf-life of the paints and also as dry film preservative are required to be registered under the Insecticides Act, 1968. Data required for registration of technical and formulated biocide product are annexed (Annexure-I).

1. The TGAIs used in biocide products must be registered under the Insecticides Act.
2. In case of registration of biocide formulated product without registering technical grade pesticide, every biocide product manufacturer / importer is required to declare the source(s) of Biocide-TGAI/s in such products. Complete data of TGAI w.r.t. chemistry, bio efficacy and toxicity must be submitted to CIBRC in case of import/ or indigenous manufacture of biocide product without registering its TGAI.
3. Only CIBRC registered Biocides-TGAIs should be used for manufacture of biocide products. In case the candidate TGAIs also qualify for direct/ indirect usages in agriculture, bio efficacy studies are mandatorily required to be conducted as defined for agricultural pesticides and data submitted for registration to CIBRC. Otherwise bio-efficacy study on TGAI Biocide/s may be done from the view point of relevant use / application needs of expected antimicrobial-performance in Industrial end-products. As a general principle, tests shall be conducted according to the methods described / recommended by international bodies / CIB&RC. In the event of, lack of an appropriate protocol, appropriately justified methods endorsed/ approved by CIBRC may be used. All toxicological tests should be GLP compliant. Tests on physico-chemical properties and

safety-relevant data should be performed according to international standards. Effect of biocides, on environment and surface under protection, bio-efficacy, etc., must be carried out as per the internationally accepted protocols (like ASTM 5589, 5590) / protocols approved by CIB&RC.

4. Paint Industry (as also other industries) must use the CIB&RC registered biocide products at the recommended dosages as per the defined maximum limit of usage of TGAI in the end product/s (especially Diuron and Carbendazim). At present, the set-limit on Diuron is 0.5% w/w of final composition of Paint, and for carbendazim it is 0.1% -0.5% (w/w). Products containing more than 1000 ppm (0.1%) carbendazim will attract "skull and crossbones" and "dead fish plus dead tree" labels together with the phrases "Toxic and Dangerous for the Environment", "Mutagen Category 2" and "Reprotox Category 2". Paint products with over 0.1% ppm of carbendazim will be restricted for sale to professionals only. However, for other TGAIs if any, concentrations will be specified as per defined maximum limits of usage (documented in the literature/ or as determined based on data generation and approved by CIBRC).

5. Where in no dosage limit has been defined the applicant must provide valid data to evaluate possible effects at species, population or community and ecosystem level. Studies must be carried out in systems representative to habitats to which the product is applied. Important aspects to consider are the use of reference areas, history of the (treated and non-treated) areas, climatic conditions, timing, duration of exposure, frequency, dosage and concentration, distribution in time and location, etc.

6. Biocide Product Manufacturers would be required to provide

a. Bio-efficacy data of the antimicrobial products on the performance of a paint film to inhibit the microbial growth by generating the data on the representative sample of commercial paint at the dosage of the Biocide Product at its minimum required level, w.r.t. TGAI contents in the dosed Biocide Product.

b. Data to be provided on the actual dosage being recommended as safe dosage to ensure the inhibition of microbial growth on the film and from that what is retained in the paint film w.r.t. TGAI contents after leaching of such paint film by flow of water. Different leaching rates may be required, for example in relation to leaching during the washing of freshly preserved film, leaching from treated film outdoors with a risk of wetting, leaching from the treated film when washed indoors or otherwise in contact with water during its service life, and volatilization from the treated film in contact with indoor or outdoor air.

7. No change will be permitted thereafter in the composition of biocide products so- registered (unless under exceptional conditions in accordance with Government policy).

8. Data related to Product-stability and performance under actual usage- have to be generated under Indian Climatic conditions.

9. Biocide (Technical) / Biocide formulated products should follow the labelling requirements as provided under the Insecticides Act, 1968.
10. Labelling on the containers with respect to its composition and specific end use is required to be incorporated on Biocide products.
11. Labelling is mandatorily required on the container when the Registered Biocide Products are present in dosage in excess to the prescribed dosage (Diuron - 0.5% w/w of final composition of Paint, Carbendazim - 0.1% to 0.5% w/w and 0.1 (%)??? for others until the limit is amended based on the generated data/ scientifically documented literature) in exterior and interior decorative Paints/similar products and meant as formulations of Insecticides.
12. No labelling is required if these biocide products are being added in the product as antimicrobials to ensure sufficient surface protection from the likely microbial attack and as per the dosage not exceeding the maximum permissible content of Active ingredients coming from the said biocide products.
13. As the Biocide Industry falls under the realms of the Insecticide Act, 1968, records on the import/ manufacture /consumption of TGAIs in biocide products and formulated must be submitted to CIB&RC monthly and annual basis.

II. Guidelines for registration of biocides OR pesticides to be used in paints for killing or repelling insects with label claim

Following are required for Paint Industry who proposes to manufacture Insect Repellent /Killing Paints (pesticide formulation):

- a. Insect Repellent /Killing Paints (pesticide formulation) are required to be registered under the Insecticides Act as Pesticide Formulation (**Annexure II**).

Annexure-I

S. No.	Parameter	TI	TIM	FI	FIM	TI (New Source)	Comments
A.	Chemistry						
1	Source of Supply of Technical	R	NR	R	R	R	
2	Chemical Composition	R	R	R	R	R	
3	Chemical Identity of technical	R	R	R	R	R	
4	Physico – Chemical Properties of adjuvants	R	R	R	R	R	
5	Technical Bulletin	R	R	R	NR	R	
6	Specification	R	R	R	R	R	
7	Method of Analysis	R	R	R	R	R	
8	Analytical Test Report	R	R	R	R	R	
9	Identification & Quantification of identifiable Impurities	R	R	NR	NR	R	
10a.	Shelf-life claim	R	R	R	R	R	
10b.	Shelf-life Data	R	R	R	R	R	
11a.	Process of Manufacture	R	R	R	R	R	
11b.	Information about Raw Materials Used	R	R	R	R	R	
11c.	Their Source of Supply.	R	R	R	R	R	
11d.	Chemical Equation	R	R	R	R	R	
11e.	Formula	R	R	R	R	R	
11f.	Flow sheet diagram of process of manufacture	R	R	R	R	R	
11g.	Effluent Treatment method	NR	R	NR	R	NR	
12	Documents such as registration certificate / Certificate of DNA/manufacturing license or any other approval under any Govt. regulation will be acceptable to support that manufacturer is actual producer	R	NR	R	NR	R	

13	Certificate from manufacturer that the dealer/ trader are an authorized dealer/trader of the manufacturer.	R	NR	R	NR	R	
14	A test report about the quality of the product from a laboratory as per GLP scheme or from a company of ISO-9000. This requirement will be provided along with first consignment. Thereafter, each consignment should have proper analytical test report of the manufacturer.	R	NR	R	NR	R	
15	The applicant should provide sample along with standards technical sample from the principals/ authorized dealers for chemical verification. In case of technical grade pesticides u/s 9(3), samples of std. impurities are also to be provided for chemical verification. In process sample to be provided in case of indigenous manufacture of technical u/s 9(3) TIM & 9(4) TIM with undertaking	R	R	R	R	R	
B. BIOEFFICACY-							
16a.	Bio-effectiveness	R /NR	R /NR	R	R	R/NR	Required if TGAI goes directly into end use product
		R /NR	R /NR	R	R	R	Effectiveness against target organism using a representative end use product
17	Metabolism in soil	R/ NR	R/ NR	R/ NR	R/ NR	R/ NR	
18	Metabolism in water	NR/ R	NR/R	NR/ R	NR/ R	NR/ R	
19	Persistence in soil	NR	NR	NR	NR	NR	
20	Persistence in water	NR	NR	NR	NR	NR	
21	Residues in soil	NR	NR	NR	NR	NR	
22	Cost benefit ratio	NR	NR	NR	NR	NR	

23	Registration status in foreign countries	R	R	R	R	R	
C.	TOXICITY						
24	Acute oral in rat	R	R	R	R	R	
25	Acute dermal	R	R	R	R	R	
26	Acute inhalation	R	R	R	R	R	
27	Primary skin irritation	R	R	R	R	R	
28	Irritation to mucous membrane	R	R	R	R	R	
29	Allergy/Sensitization	R	R	R	R	R	
30	Sub-acute oral rat	R	R	R/ NR	R/ NR	R	
31	Sub-acute oral dog*	R/ NR	R/NR	R/ NR	R/ NR	R/ NR	*In case no data is available, information maybe submitted
32	Sub-acute dermal	R	R	R/ NR	R/ NR	R	
33	Sub-acute inhalation	R	R	R/ NR	R/ NR	R	*if inhalation exposure is major route and pesticides does not have use in agriculture
34	Neuro-toxicity	R	R	NR	NR	NR	
35	Teratogenicity (rat & rabbit)	R	R	NR	NR	NR	
36	Effect on reproduction	R	R	NR	NR	NR	
37	Carcinogenicity (rat & mice)	R	R	NR	NR	NR	
38	Metabolism (rat)	R	R	NR	NR	NR	
39	Mutagenicity	R	R	NR	NR	R	
40	Toxicity to birds (two)	R	R	R	R	R	
41	Toxicity to fish (freshwater) a) Fresh water fish	R	R	R	R	R	
	b) Marine water fish (When the claim is for marine use)	R/ NR	R/ NR	R/ NR	R/ NR	R/ NR	

42	Toxicity to live stock	NR/ R*	NR/ R*	NR	NR	NR/R*	*based on the end use of products made out from the technical
43	Medical data	R	R	R	R	R	
44	Human toxicity information from foreign countries	R	NR/ R	NR	NR	R	
45	Health records of Industrial workers.	R/ NR	R/ NR	R/ NR	R/ NR	R/ NR	
46	International report on carcinogenicity & genotoxicity status	R	R/NR	R	NR/ R	R	
D.	PACKAGING						
47	Labels and leaflets as per IR-1971 existing norms (i) for size 250 ml & below (ii) for 500 & above.	R	R	R	R	R	
48	Labels to contents	R	R	R	R	R	
a.	Detailed Chemical composition	R	R	R	R	R	
b.	Purpose for import / manufacture.	R	R	R	R	R	
c.	Antidote	R	R	R	R	R	
d.	Toxicity triangle	R	R	R	R	R	
e.	Cautionary statement	R	R	R	R	R	
f.	Brief direction concerning usages	R	R	R	R	R	
g.	Restriction if any	R	R	R	R	R	
49	Leaflets to contain						
a.	Detailed Chemical composition on leaflets accompanying small labels (upto 250 ml size container)	R	R	R	R	R	
b.	Introductory para about the pesticide	R	R	R	R	R	
c.	Detailed directions concerning usages	R	R	R	R	R	
g.	Symptoms of poisoning	R	R	R	R	R	
h.	First Rd measures	R	R	R	R	R	
i.	Antidote & treatment	R	R	R	R	R	
j.	Restriction, if any	R	R	R	R	R	
k.	Instruction for storage	R	R	R	R	R	
l.	Information regarding disposal of used packages.	R	R	R	R	R	
50	Type of packaging (pkg material + compatibility with content)	R	R	R	R	R	
51	Manner of packaging	R	R	R	R	R	

51.1	Specification for primary package	R	R	R	R	R	
51.2	Specification for secondary packaging.	R	R	R	R	R	
51.3	Specification for transport packaging.	R	R	R	R	R	
52	Manner of labelling	R	R	R	R	R	
53	Performance of container during storage stability test	R	R	R	R	R	
54	Transport worthiness test	R	R	R	R	R	

TI: Technical Import

TIM: Technical Indigenous manufacture

FI: Biocide Formulated product for Import

FIM: Biocide Formulated product for Indigenous manufacture

Annexure-II

Guidelines for registration of biocides or pesticide to be used in paint for killing or repelling insects with label claim.

1. Manufactured Paints with claims to repel or kill insects, fungus, weeds or any other pesticide claims are considered as pesticide formulations of paint. The pesticides used in such pesticide formulations of paint must be obtained from the source registered under the Insecticides Act, 1968.
2. In case the paint industry wants to import / manufacture indigenously the pesticide for use in paint which are not registered for use in India then they have to take registration for import / indigenous manufacture of technical by submitting data as per guidelines for Technical for import (TI) / TIM u/s 9(3), as the case may be.
3. The data requirement remains the same as that of TI/ TIM u/s 9(3) and under FI/ FIM for registration for use in the country with following special conditions:

S.No	Parameter	Regular Registration U/s 9 (3)
A.	Chemistry	
1	Source of Supply of technical	R
2	Chemical Composition	R
3	Chemical Identity	R
4	Physico - Chemical Properties	R
5	Specification	R
6	Method of Analysis	R
7	Analytical test report about the quality of the product from a laboratory having NABL/ GLP accredited laboratory	R
8	Shelf-life claim	R
9	Shelf-life Data	R
10	Process of Manufacture	R
11	Information about raw materials used	R
12	Source of Supply of the raw materials	R
13	Stepwise Manufacturing Process	R
14	Flow sheet diagram of process of manufacture	R
15	Effluent Treatment	NR
16	Documents such as registration certificate /manufacturing license or any other approval under any Government regulation will be acceptable to support that manufacturer is actual producer of the product of the claimed chemical composition	R

(B) Bio-efficacy:-

1. Data on evaluation of efficacy against designated pest.
2. Persistence on treated painted surface.

(C) Packaging

S.No.	Parameter	Regular Registration U/s 9 (3)
1	Labels and leaflets as per IR-1971 existing norms (i) for size 250 ml & below (ii) for 500 & above.	R
I.	Labels to contents	R
II.	Detailed Chemical composition	R
III.	Purpose for import / manufacture.	R
IV.	Antidote	R
V.	Toxicity triangle	R
VI.	Cautionary statement	R
VII.	Brief direction concerning usages	R
VIII.	Restriction if any	R
IX.	Leaflets to contents	R
2	Detailed Chemical composition on leaflets accompanying small labels (up to 250 ml size container)	R
I.	Introductory para about the pesticide	R
II.	Detailed directions concerning usages	R
III.	Applications	R
IV.	Application equipment	R
V.	Persistence after application	R
VI.	Symptoms of poisoning	R
VII.	First Aid measures	R
VIII.	Antidote & treatment	R
IX.	Restriction, if any	R
X.	Instruction for storage	R
XI.	Information regarding disposal of used packages.	R
XII.	Type of packaging (packing material + compatibility with content)	R
XIII.	Manner of packaging	R
XIV.	Specification for primary package	R
XV.	Specification for secondary packaging.	R
XVI.	Specification for transport packaging.	R
VII.	Manner of labeling	R
VIII.	Performance of container during storage stability test	R
XIX.	Transport worthiness test	R

D. Toxicology

1. The insecticides registered with label claim in public health will not be allowed for use in paint formulations. Insecticides will be allowed on case to case basis in consultation with NVBDCP. Therefore, studies are to be initiated with prior permission of Registration Committee.
2. The technical source of the insecticides should be registered with CIBRC. Otherwise, data must be provided on the technical counterpart of the active ingredient intended for use in the formulations.
3. All acute mammalian studies as prescribed in “Guidance Document of Toxicity for the Registration of Pesticides in India” i.e. acute oral – rat, acute dermal, acute inhalation, Primary skin irritation, Mucous Membrane irritation, skin sensitization.
4. Eco-toxicity studies depending on use pattern.
5. The chemical composition of the formulation (Paint) to be disclosed under the affidavit and Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) must be provided for each component along with prevailing literature.
6. The applicant must undertake?? a statement?? or certify that no component present in formulation (Paint) are known to cause Carcinogenicity, Teratogenicity (Developmental toxicity) and effect on reproduction and other chronic disorders to human beings at the dosages/ concentration in use.
7. The persistence of the pesticides in the paint, rate of degradation during use along with residue data in paint scrap, for the shelf life period
8. Use pattern of the paint with intended insecticide across the globe and its registration status with label claims.
9. The air concentration of insecticide in the air near the painted surface at different time interval.
10. Human and environmental toxicity information from foreign countries with use of insecticidal paint.
11. Specify the use pattern of these paints in the country and mention how publicity will be done if, allowed to use.
12. Label and leaflets as per Insecticides Rules 1971 supported by Safety related issues to be provided.

ADDITIONAL INFORMATION

Requirements for the submission of application in five folders for registration of pesticides u/s 9(3)/ 9(3b)
(Approved by the registration committee in its 266th RC meeting held on 20th July, 2006)

Name of the applicant: M/s.....

Name of the product:

Type of the pesticide & its use:

Folder A. Administration / Legal:

- 1) Index
- 2) Page Numbering
- 3) Authentication of pages by authorized signatory
- 4) Form – I duly signed
- 5) Demand draft as registration Fee
- 6) Requisite number of stamped envelopes
- 7) BOD Resolution/Affidavit
- 8) Copy of 9(3B) Registration certificate, if relevant

Complete / Deficient

Folder B. Chemistry:

- 1) Copy of Form-I
- 2) Chemistry data
- 3) Labels/leaflets
- 4) Copy of RTT permit, if relevant
- 5) MRL proforma
- 6) Copy of 9(3B) Registration certificate, if relevant

Complete / Deficient

Folder C. Bioefficacy:

- 1) Copy of Form-I
 - 2) Bioefficacy data
 - 3) Chemical composition
 - 4) MRL proforma
 - 5) Labels/leaflets
 - 6) Copy of RTT permit, if relevant
 - 7) Copy of 9(3B) Registration certificate, if relevant
 - 8) Summary of bioefficacy and residue data (field data) in duplicate
- (Added as per decision of 279th RC held on 23-08- 2007)

Complete / Deficient

Folder D. Toxicity:

- 1) Copy of Form-I
- 2) Toxicity data
- 3) Chemical Composition
- 4) Copy of specification
- 5) Details of adjuvant/solvents, as submitted in Chemistry Folder
- 6) MRL proforma
- 7) Labels/leaflets
- 8) Copy of RTT permit, if relevant
- 9) Copy of 9(3B) Registration certificate, if relevant

Complete / Deficient

Folder E. Packaging and labeling:

- 1) Copy of Form-I
- 2) Packaging & Labelling data
- 3) Copy of 9(3b) Registration certificate, if relevant

Complete / Deficient

Requirements for submission of application in five folders for registration of biopesticides u/s 9(3)/ 9(3b)
(Approved by the Registration Committee in its 323rd RC held on 29th Sept, 2011)

Name of the applicant: M/s.....

Name of the product:

Type of the biopesticide & its use:

General Requirements for all folders

- 1) Index
- 2) Page Numbering
- 3) Authentication of pages by authorized signatory

Complete / Deficient

Folder A. Administration /Legal:

- 1) Form – I duly signed
- 2) Demand draft as registration Fee
- 3) Requisite number of stamped envelopes
- 4) Notarized copy of BOD Resolution/ Partnership deed / Affidavit
- 5) Affidavit on bio-pesticide composition on NJSP duly notarized (Original)
- 6) Notarized copy of depositing microbial bio-pesticides strain sample in National Repository with reference code number
- 7) Undertaking on NJSP duly notarized that product do not contain any genetically modified organism in the prescribed format (in original).
- 8) Undertaking on NJSP duly notarized that product is free from chemical / botanical pesticides / other agro-chemicals (in Original).
- 9) Copy of 9(3B) Registration certificate, if relevant

Complete / Deficient

Folder B. Chemistry:

- 1) Copy of Form-I
- 2) Data on biological characteristics & chemistry as per the guidelines of RC
- 3) Labels/leaflets
- 4) Copy of Affidavit on bio-pesticide composition on NJSP (Same as in legal folder)
- 5) Copy of depositing microbial bio-pesticides strain sample in National Repository with reference code number (same as in legal folder)
- 6) Copy of Undertaking on NJSP that product do not contain any genetically modified organism in the prescribed format (same as in legal folder)
- 7) Copy of Undertaking on NJSP that product is free from chemical / botanical pesticides / other agro-chemicals (same as in legal folder)

- 8) Copy of RTT permit, if relevant
- 9) Copy of 9(3B) Registration certificate, if relevant

Complete / Deficient

Folder C. Bioefficacy:

- 1) Copy of Form-I
- 2) Bioefficacy data as per the guidelines of RC
- 3) Copy of biopesticide composition (Same as in legal folder)
- 4) Labels/leaflets
- 5) Copy of depositing microbial bio-pesticides strain sample in National Repository with reference code number (same as in legal folder)
- 6) Copy of RTT permit, if relevant
- 7) Copy of 9(3B) Registration certificate, if relevant
- 8) Summary of bioefficacy data in duplicate

Complete / Deficient

Folder D. Toxicity:

- 1) Copy of Form-I
- 2) Toxicity data as per the guidelines of RC
- 3) Copy of biopesticide composition (Same as in legal folder)
- 4) Copy of specification
- 5) Details of adjuvant/solvents, as submitted in Chemistry Folder
- 6) Labels/leaflets
- 7) Copy of RTT permit, if relevant
- 8) Copy of 9(3B) Registration certificate, if relevant

Complete / Deficient

Folder E. Packaging and labeling:

- 1) Copy of Form-I
- 2) Packaging & Labelling data as per the guidelines of RC
- 3) Copy of 9(3B) Registration certificate, if relevant

Complete / Deficient

In view of above, the application is

- 1) Accepted for further scrutiny
- 2) Not accepted

Requirements for Extension of Provisional Registration Under Section 9(3b)

(For Chemical pesticides & Biopesticides both)

(Approved by the Registration Committee in its 263rd RC held on 16th May, 2006)

Name of the applicant: M/s.....

Name of the product:

A. Administration/legal:

- i) Index
- ii) Page numbering
- iii) Authentication of pages by authorized signatory
- iv) Authorization for the signatory (Notarized copy of BOD resolution/affidavit/partnership deed)
- v) Form-I duly signed
- vi) Demand draft as registration fee
- vii) Requisite number of stamped envelopes
- viii) Justification for extension
- ix) Copy of all earlier CRs for the product
- x) Details of data generated to fulfill the conditions of provisional registration.
 - a. Chemistry
 - b. Bioefficacy
 - c. Toxicity
 - d. Packaging

Requirements for the registration of pesticide formulation “FIM vs FIT u/s 9(3)” for indigenous manufacture having the identical chemical composition that of formulation already registered for import u/s 9(3) for the same label claims

(Approved by the Registration Committee in its 317th RC held on 31st March, 2011)

Name of the applicant: M/s.....

Name of the product:

- 1) Index
- 2) Page Numbering
- 3) Authentication of pages by authorized signatory
- 4) Form – I duly signed
- 5) Demand draft as registration Fee
- 6) Requisite number of stamped envelopes
- 7) Copy of BOD Resolution/Affidavit/Partnership deed (**Notarized**)
- 8) Affidavit for Chemical composition on NJSP (**Notarized**)
- 9) Certificate as per category of Industry/ Manufacturing license (**Notarized**)
- 10) PAN No. (**Notarized**)
- 11) Incorporation Certificate (**Notarized**)
- 12) Labels/leaflets
- 13) Proof of Source of Technical to be used in formulation is duly registered. (In case of indigenous manufacture / import - Reference of RC meeting in which it was approved). {Only deemed registration status without issuance of Certificate of registration shall not be considered}.
- 14) Name of registrant of Formulation Import (Reference of Registration Committee Meeting in which formulation import was approved).
- 15) ATR from independent laboratory
- 16) A Sample for Analysis by CIL

In view of above, the application is

- i) Accepted for further scrutiny
- ii) Not accepted

Requirement for 9(4) Tim Cases Under Insecticides Act, 1968

(Approved by the Registration Committee in its 256th RC held on 12th September, 2005)

Name of the applicant: M/s.....

Name of the product:

A. Administration/Legal:

- 1) Index
- 2) Page numbering
- 3) Authentication of pages by authorized signatory.
- 4) Demand draft.
- 5) Requisite number of stamped envelopes
- 6) Form-I duly signed
- 7) Authorization for the signatory (Notarized copy of BOD resolution/affidavit/partnership deed)

B. Chemistry:

- 1) Chemical Composition
- 2) Chemical Identity/Structural formula
- 3) Physico-Chemical properties
- 4) Specification
- 5) Method of analysis
- 6) Analytical Test Report from an independent laboratory
- 7) Identification and quantification of associated standard identifiable
- 8) Shelf- life claim and Products Quality undertakings
- 9) Establishment of chemical equivalence
- 10) Process of manufacture
- 11) Information about raw material
- 12) Source of supply
- 13) Step-wise manufacturing process
- 14) Step-wise chemical equations
- 15) Flow –sheet diagram of manufacturing process
- 16) Effluent treatment method/flow – sheet diagram, and
- 17) Drawl of in-process sample and its Analysis Test Report (ATR) from CIL

C. Toxicology:

- 1) Acute oral in rat & mice
- 2) Acute dermal
- 3) Primary skin irritation

- 4) Irritation to mucous membrane

D. Packaging:

- 1) Seven copies Label/leaflets as per IR 1971 existing norms
- 2) Manner of packaging
- 3) Manner of Labeling

Requirement Under Section 9(4) Fim Category Of The Insecticides Act, 1968

(Approved by the Registration Committee in its 256th RC held on 12th September, 2005)

Name of the applicant: M/s.....

Name of the product:

- 1) Index
- 2) Page numbering
- 3) Authentication of pages by authorized signatory.
- 4) Demand draft.
- 5) Requisite number of stamped envelopes
- 6) Form-I duly signed

Notarized copies of the following:

- 1) BOD Resolution/Partnership Deed/Affidavit
- 2) Certificate as per category of Industry / manufacturing license
(Modified as per the decision of 276th meeting of RC held on 31st May, 2007)
- 3) PAN NO.
- 4) Incorporation Certificate
- 5) List of products for which the registration has been given to the firm and Manufacturing License obtained; and products actually manufactured during the previous 2 (two) years.
(Added as per decision of 315th meeting of RC held on 22-02-2011)

Requirement under Section 9(4) Ti/Fi Category Of The Insecticides Act, 1968

(Approved by the Registration Committee in its 256th RC held on 12th September, 2005)

Name of the applicant: M/s.....

Name of the product:

- 1) Index
- 2) Page numbering
- 3) Authentication of pages by authorized signatory.
- 4) Demand draft.
- 5) Requisite number of stamped envelopes
- 6) Form-I duly signed

Notarized copies of the following:

- 1) BOD Resolution/Partnership Deed/Affidavit
- 2) Certificate as per category of Industry / manufacturing license
(Modified as per the decision of 276th meeting of RC held on 31st May, 2007)
- 3) PAN NO.
- 4) Incorporation Certificate
- 5) Letter of consent, duly legalized from Indian Embassy/High Commission/ Consulate in the Country of origin.
- 6) List of products for which the registration has been given to the firm and Manufacturing License obtained; and products actually manufactured during the previous 2 (two) years. (Added as per decision of 315th meeting of RC held on 22-02-2011)

Requirement for the registration of pesticides for export under section 9(3)
(Approved by the Registration Committee in its 256th RC held on 12th September, 2005)

Name of the applicant: M/s.....

Name of the product & category:

A. Administration / Legal:

- 1) Index
- 2) Page Numbering
- 3) Authentication of pages by authorized signatory
- 4) Demand draft as registration Fee
- 5) Requisite number of stamped envelopes
- 6) Authorization for the signatory (Notarized copy of BOD Resolution/Partnership Deed/Affidavit)

B. Chemistry:

Already registered molecule

- 1) Chemexcil certificate
- 2) Form – I duly signed
 - 6(i)-Chemical composition
 - 10(i)- BIS no/specification & method of analysis.
- 3) 7 copies of Labels/leaflets
- 4) For category I and VI- “Source of Import.”
- 5) “Process of manufacture” (Indigenous manufacture) for category I and II

New molecule, not registered for use in the country

- a) Chemistry-information as in (B) above.
- b) Toxicity information
 - i) Acute oral in rat
 - ii) Acute dermal
 - iii) Acute inhalation
 - iv) Primary skin irritation
 - v) Irritation to mucous membrane

For Technical Additional Requirement

- vi) Effect on reproduction
- vii) Carcinogenicity
- viii) Mutagenicity

Bt. & Neem: As per guidelines for export- Chemistry + Toxicity information

Requirement for the label expansion U/S 9(3)

(Approved by the Registration Committee in its 263rd RC held on 16th May, 2007)

Name of the applicant: M/s.....

Name of the product:

- 1) Index
- 2) Page Numbering
- 3) Authentication of pages by authorized signatory
- 4) Requisite number of envelop
- 5) Copy of Registration Certificate
- 6) Authorization for the signatory
- 7) Affidavit duly notarized regarding Label expansion made earlier in respect of Certificate for which the present request is being made

Bioefficacy:

- 1) Bioeffectiveness
- 2) Phytotoxicity
- 3) Residue in plant
- 4) Persistence in plant
- 5) Residue tolerance limits fixed by foreign countries
- 6) MRL proforma in duplicate
- 7) Registration status in foreign countries
- 8) Effect on parasites and predators (applicable in case of insecticides only)
- 9) Seven copies of revised labels/leaflets in English & Hindi
- 10) Summary of bioefficacy and residue data (field data) in duplicate

(Added as per decision of 279th RC held on 23.08.2007)

Draft/Specimen
A F F I D A V I T

(As approved by RC in its 314th meeting held on 24th & 27th Jan, 2011)

(To be furnished by the Applicant or Authorised person, duly Notarized)

I.....s/o aged about years, working as..... in,
having registered office at do hereby confirm, declare and solemnly affirm as under:

1. That following Endorsement regarding change in Company name and / or transfer of Certificate of Registration were applied / made previously in respect of Certificate(s) of Registration for the product (Name of the product with Registration No.) from to (In case more than one Certificate please enclose a list of Certificates (**Product wise**) along with their specific **Registration Numbers** allotted by the CIB&RC.

Note: (In case no Endorsement regarding change in company name / transfer of certificate was applied / made previously, then clearly state that no Endorsement of the said category was made earlier).

2. That following Endorsement regarding factory/office address, duplicate certificate, packaging, shelf life, source of Import, or any other category etc. were applied / made previously in respect of Certificate(s) of Registration for the product (Name of the product with Registration No.) (In case more than one Certificate please enclose a list of Certificates (**Product wise**) along with their specific **Registration Numbers** allotted by the CIB&RC.

Note: (In case no Endorsement regarding above categories were applied / made previously, then clearly state that no Endorsement of the said category was made earlier).

Deponent
(Name & Designation)

V E R I F I C A T I O N

I, the above named deponent do solemnly verify that the information given above is true to the best of my knowledge & belief and nothing has been concealed there from.

I, further declare that I am making this declaration in my capacity as (Designation) and that I am competent to make this declaration.

Deponent

Requirement for the label expansion of insecticide for household use u/s 9(3)

(Approved by the Registration Committee in its 263rd RC held on 16th May, 2006)

Name of the applicant: M/s.....

Name of the product:

- 1) Index
- 2) Page Numbering.
- 3) Authentication of pages by authorized signatory
- 4) Requisite no. of stamped envelopes
- 5) Authorization for the signatory (Notarized copy of BOD resolution/ affidavit/ partnership deed)
- 6) Bioeffectiveness data of minimum two repeated trials from three National Laboratories
- 7) Information on secondary pest outbreaks particularly of ticks & mites where residual pyrethroids are being used
- 8) Data on persistence on different type of surfaces generated under Indian conditions from three laboratories (except coil/mats/liquid vaporizer)
- 9) Data on concentration in air in case of coil/mats/liquid vaporizer
- 10) Seven copies of Label/leaflets in Hindi and English
- 11) Affidavit duly notarized regarding label expansion made earlier in respect of certificate for which the present request is being made

Requirement for the endorsement of bio-efficacy claim on label/leaflet of registration certificate u/s 9(4) of the insecticides act, 1968

(Approved by the Registration Committee in its 263rd RC held on 16th May, 2006)

Name of the applicant: M/s.....

Name of the product:

- 1) Index
- 2) Page numbering
- 3) Authentication of pages by authorized signatory
- 4) Notarized copy of BOD Resolution/Affidavit/Partnership Deed
- 5) Notarized copy of Registration Certificate of the product with approved label/leaflet
- 6) If Registration Certificate is more than 2 years old, a certificate from the concerned State/UT Govt. as a proof of commencement of actual production of the pesticide
- 7) Affidavit duly notarized regarding endorsement made earlier in respect of certificate for which the present request is being made

Requirement for the endorsement of new/alternate packaging

(Approved by the Registration Committee in its 256th RC held on 12th September, 2005)

Name of the applicant: M/s.....

- 1) Index
- 2) Page Numbering.
- 3) Authentication of pages by authorized signatory
- 4) Authorization for the signatory (Notarized copy of BOD resolution/ affidavit/ partnership deed)
- 5) Justification for change
- 6) Copy of Certificate of Registration
- 7) Details of system of packaging w.r.t. Primary, secondary and transport packaging
- 8) Affidavit duly notarized regarding endorsement made earlier in respect of Certificate for which the present request is being made.
- 9) Data supporting the suitability of the content with the co
- 10) Container
*(for new packaging material)
- *10) Data on performance of container during storage stability (for new packaging material)
- *11) Data on transport worthiness test (If packaging material is new and/or if the packaging material is same but pack sizes are different than BIS specified pack size)

*10) & *11): Added as per decisions of 299th & 307th meeting of RC held on 28-04-2009 and 24-02-2010, respectively.

Requirement for the endorsement of change of name of the company/firm

(Approved by the Registration Committee in its 256th RC held on 12th September, 2005)

Name of the Applicant: M/s.....

1. Index
2. Page Numbering.
3. Authentication of pages by authorized signatory
4. Authorization for the signatory (Notarized copy of BOD resolution/affidavit/partnership deed)
5. Affidavit duly notarized regarding endorsement made earlier in respect of certificates for which present request is being made.
6. Copy of Certificate of registration.
7. In case of shifting of factory premises, a No Objection Certificate from the Director of Agriculture of the State/UT for setting of the factory at the newly proposed site. In case of shifting of office premises, full and complete address of the Head Office including the branch office.
8. In case of firm, copy of the Partnership Deed/ in case of Company, (a) Memorandum of Articles & Association (b) fresh Certificate of Incorporation consequent on change of Name, approved by Registrar of the Company, Ministry of Law, Justice & Company Affairs.
9. An affidavit regarding no court case is pending under any provisions of the Insecticides Act and Rules framed there under.

Requirement for the endorsement of factory address for the first time/shifting of factory and establishment of second factory address

(Approved by the Registration Committee in its 256th RC held on 12th September, 2005)

Name of the Applicant: M/s

I. Factory Address for the first time:

1. Index
2. Page numbering
3. Authentication of pages by authorized signatory.
4. Authorization for the signatory (Notarized copy of BOD resolution/ affidavit/ partnership deed)
5. Affidavit, duly notarized, regarding endorsement made earlier in respect of Certificate for which present request is made.
6. Copy of Certificate of Registration
7. Copy of approved labels and leaflets or 7 copies of labels and leaflets (If not approved earlier)

II. Shifting of Factory and endorsement of second Factory Address:

- A. All above from 1-6
- B. 'No Objection Certificate' from the State Director of Agriculture for shifting of the factory / endorsement of second address.

Requirement for the transfer of certificate of registration of one person/ undertaking in the name of another person/ undertaking

(Approved by the Registration Committee in its 256th RC held on 12th September, 2005)

Name of the Applicant: M/s.....

1. Index
2. Page Numbering.
3. Authentication of pages by authorized signatory
4. Authorization for the signatory (Notarized copy of BOD resolution/affidavit/partnership deed)
5. Affidavit duly notarized regarding endorsement made earlier in respect of certificates for which present request is being made
6. Joint application signed by both the parties in respect of each registration certificate on a non-judicial stamp paper duly Notarized with the following details:
 - i. Date of commissioning the unit/Accepted date of commissioning of unit
 - ii. Complete address of the manufacturing unit
 - iii. Details of production of different products for last one year
7. Attested copy of the manufacturing licence issued by the State Licensing Authority containing the name of products for which a request for transfer of certificate have been made.
8. Certificate of incorporation issued by the Registrar of Companies in case of Private/Public Ltd. Companies together with copies of Memorandum and articles of association.
9. Attested copies of the Deed for dissolution of partnership or deed of partnership as the case may be.
10. Attested copies of the registered sale deed/gift/inheritance
11. No Objection Certificate from the competent court towards its transfer, in case of any Court case is pending under any provisions of the Insecticides Act and Rules framed there under against the transfer.

Requirement for the endorsement of change of name of source of import of chemicals due to disinvestment
(Approved by the Registration Committee in its 261th RC held on 151th Feb, 2006)

Name of the applicant: M/s.....

Name of the product:

- i) Index
- ii) Page Numbering
- iii) Authentication of pages by authorized signatory
- iv) Authorization for the signatory (Notarized copy of BOD resolution/affidavit/partnership deed)
- v) Formal request letter by the dis-investor
- vi) Copy of Certificate of Registration
- vii) Certificate with reference to disinvestments along with other relevant supporting documents
- viii) Undertaking from the buyer with reference to maintenance of same quality, specification, process of manufacture of technical product
- ix) Analytical test report of the technical product being manufactured by the buyer with reference to quality specification as well as purity, impurity profile of these batch samples
- x) Consent letter to supply the product to India
- xi) Affidavit with reference to earlier endorsement being made

Requirement for the change of name of source of import

(Approved by the Registration Committee in its 263rd RC held on 16th May, 2006)

Name of the applicant: M/s.....

Name of the Product.....

Administration/Legal

1. Index
2. Page numbering
3. Notarized copy of BOD Resolution/Affidavit/Partnership Deed
4. Authentication of pages by authorized signatory.
5. Affidavit duly notarized regarding endorsement made earlier in respect of Certificate for which the present request is being made
6. Documentary proof of change of name applicable in respect of country duly authenticated by Consulate/Embassy/High Commission
7. Documentary proof as per change of manufacturing premises duly authenticated by Consulate/Embassy/High Commission
8. Copy of certificate of Registration

Chemistry

1. Reason/justification for the change in name clarifying whether it is a case of merger/taking over of company/internal re-arrangement/shifting of manufacturing unit
2. Analytical test reports from the approved source as well as from the newly named source along with undertaking w.r.t. quality specification and process of manufacture
3. Supportive document from the designated National Authority/Registration Document
4. Letter of consent, duly legalized from Indian Embassy/High Commission/Consulate in the country of origin
5. Any other additional relevant document/information.

Requirement for the endorsement for inclusion of already approved additional source of import in the registration certificate

(Approved by the Registration Committee in its 266th RC held on 20th July, 2006)

Name of the applicant: M/s.....

Name of the Product.....

Administration/Legal

1. Index
2. Page numbering
3. Notarized copy of BOD Resolution/Affidavit/Partnership Deed
4. Authentication of pages by authorized signatory
5. Affidavit duly notarized regarding endorsement made earlier in respect of Certificate for which the present request is being made
6. Letter of consent, duly legalized from Indian Embassy/High Commission/ Consulate in the Country of origin
7. Reference of Registration Committee meeting in which additional source of Import is approved
8. Copy of Registration Certificates along with label/leaflets

Requirement for the endorsement of enhancement of shelf life of pesticides u/s 9(4) of the insecticides act, 1968

(Approved by the Registration Committee in its 305th RC held on 20th Oct, 2009)

Name of the applicant: M/s.....

Name of the Product.....

1. Index
2. Page Numbering
3. Authentication of pages by authorized signatory
4. Notarized copy of BOD resolution/Partnership Deed/Affidavit
5. Notarized copy of manufacturing license
6. Affidavit regarding previous Endorsement(s) made on the Certificate of Registration for which present request has been made.
7. Application Proforma for enhancement of shelf life of insecticides registered u/s 9(4) (approved by the Registration Committee in its 284th meeting held on 13.12.2007)
8. Name of 9(3) registrant and reference of CIB meeting in which shelf life enhancement has been approved

Requirement For Free Sale Certificate

(Approved by the Registration Committee in its 315th RC held on 22th Feb, 2011)

Note: Regular registrants may submit separate application for sole purpose of Export or for Use in India as well as Export.

Name of the applicant: M/s.....

1. Index
2. Page Numbering
3. Authentication of pages by authorized signatory
4. Authorization in favour of authorized signatory (notarized copy of BOD resolution / Partnership deed / Affidavit)
5. Notarized copy of Certificate of Registration(s) along with relevant Endorsements i.e. Transfer of Certificate of Registration, Change of Name of Registrant, Change of Address of Registrant etc.
6. Notarized copy of valid Manufacturing License
7. Justification for the requirement of F.S.C.

Requirement for the endorsement of change in office address with respect to certificates of registration

(Approved by the Registration Committee in its 316th RC held on 08th March, 2011)

1. Index
2. Page Numbering
3. Authentication of Pages by authorized signatory
4. Affidavit duly notarized regarding endorsement made earlier in respect to Certificate for which the present request is made
5. Copy of Certificate(s) of Registration with Ls/Ls
6. (a) Notarized copy of proof of change in company office address from Registrar of Companies under the Companies Act, 1956, in case of Company /
(b) Affidavit with details of previous address along with reasons for change in address duly notarized, in case of Proprietorship/firm
7. Affidavit regarding no court case along with list of products duly notarized

Requirement for the submission of application for attestation of copy of already issued certificate(s) of registration

(Approved by the Registration Committee in its 318th RC held on 27th Apr, 2011)

- 1) Index
- 2) Page numbering
- 3) Authentication of pages by authorized signatory
- 4) Notarized copy of BOD resolution/affidavit/partnership deed
- 5) Notarized copy of Certificate(s) of Registration along with labels & leaflets in duplicate (Second copy may be the photocopy of notarized copy of certificates of Registration duly authenticated by the applicant. Submission of each certificate copy should be indexed with page no.)
- 6) Affidavit by applicant in the format approved by RC in its 314th meeting held on 24th & 27th Jan., 2011 (attached)
- 7) Original Certificate(s) of Registration are to be produced before the designated officer / committee for verification purpose

Draft/Specimen
AFFIDAVIT

(To be furnished by the Applicant or Authorised person, duly Notarized)

I.....s/o aged about years, working as..... in,
having registered office at do hereby confirm, declare and solemnly affirm as under:

1. That I/we are the registrant for the product(s) (Name of the product(s) with Registration No.), duly notarized copy/copies (***IN DUPLICATE***) of the Certificate of Registration is/are enclosed.
2. That copy/copies of the above the mentioned certificate(s) is/are being submitted to the Secretariat of Central Insecticide Board & Registration Committee, Faridabad (CIB&RC) for attestation as per the requirement of the importing countries and shall not be used/misused for any other purpose than for the export of the above mentioned product(s) only.
3. That a duly notarized copy of authorization in favour of deponent is also enclosed.

Deponent
(Name & Designation)

VERIFICATION

I, the above named deponent do solemnly verify that the information given above is true to the best of my knowledge & belief and nothing has been concealed there from.

I, further declare that I am making this declaration in my capacity as (Designation) and that I am competent to make this declaration.

Deponent

Requirement for the endorsement of name of supplier of already approved source of import in the certificate of registration

(Approved by the Registration Committee in its 318th RC held on 27th April, 2011)

1. Index
2. Page numbering
3. Notarized copy of BOD Resolution/Affidavit/Partnership Deed
4. Authentication of pages by authorized signatory
5. Affidavit duly notarized regarding endorsement made earlier in respect of Certificate for which the present request is being made
6. Letter of consent, from approved source of import duly legalized from Indian embassy/ high Commission/ Consulate in the Country of origin
7. Reference of Registration Committee meeting in which additional source of Import is approved
8. Copy of Registration Certificates along with label/leaflets.

Requirement for the submission of application for small quantity import of pesticides for research, test and trial (RTT) purposes

(Approved in 320th meeting of RC held on 30-06-2011 and modified as per decisions of 329th meeting held on 08-06-2012)

- 1) Index
- 2) Page Numbering
- 3) Authentication of pages by the authorized signatory.
- 4) Notarized copy of BOD Resolution/ Partnership deed/ Affidavit;
- 5) Complete Form-C duly signed.
- 6) Justification for the quantity for import
- 7) Technical bulletin from inventor / manufacturer.
- 8) Information on Chemistry, toxicity and bio-efficacy of product along with its reference.
- 9) In case of microbial Biopesticides- a notarized affidavit by the applicant that product does not contain any genetically modified organism. Also, a document from the manufacturer in this regard.
- 10) Authenticated copy of the Registration Certificate for manufacture of particular molecule/residue that country, issued from the Registration Authority.
- 11) Authorization for supplier in case of sample quantity is not supplied by the Manufacturer.
- 12) For coded & non-registered pesticides authentic document from the Inventor.

Requirement for the issue of duplicate registration certificate

(Approved in 320th RC held on 30th June, 2011)

Name of the applicant: M/s.....

Name of the product:

- 1) Index
- 2) Page Numbering.
- 3) Authentication of pages by authorized signatory
- 4) Required fees
- 5) Affidavit duly notarized regarding endorsement made earlier in respect of certificates for which present request is being made along with details of Certificate of Registration.
- 6) Copy of the F.I.R. in respect of loss of Certificate of Registration
- 7) Cutting of the leading Newspaper advertisement regarding loss of the said certificate after a fortnight of the advertisement
- 8) An affidavit to the effect that as when original certificates are found in future, the same shall be returned to the Registration Committee immediately and shall not be misused.
- 9) Copy of the letter written to the State Licensing authority for intimation of the loss of certificate(s).
- 10) Photocopy of Certificate(s) and Label/Leaflets lost, duly notarized.

Requirement for extension of shelf life of pesticides u/s 9(3b)/ 9(3) for data generated in continuation
(Approved by the Registration Committee in its 320th RC held on 30th June, 2011)

Note: 1. For enhancement of shelf-life of Biopesticides, one of the two locations shall be Central Insecticides Laboratory (Decisions of 333rd RC held on 30-10-2012)

2. For Chemical Pesticides, additional location for generation of shelf life data shall be the Central Insecticides Laboratory, Faridabad (Decisions of 333rd RC held on 30-10-2012)

1. Index
2. Page numbering
3. Authentication of pages by authorized signatory
4. Notarized copy of BOD resolution/ Partnership deed/ affidavit
5. Notarized copy of Registration Certificate with label & leaflets
6. Copy of Form-1, submitted with the application for registration of the product mentioned at Sl. No. 5
7. Shelf life claim
8. Shelf life data along with Meteorological data

Requirement for the endorsement of extension of validity/ revalidation of registration certificates issued under section 9(4) of the insecticides act, 1968

(Approved by the Registration Committee in its 320th RC held on 30th June, 2011)

Note: The above endorsement shall not be applicable for the certificates of registration for 9(4) formulations (decision of 333rd RC held on 30-10-2012)

1. Index
2. Page numbering
3. Authentication of pages by authorized signatory
4. Notarized copy of BOD resolution/partnership deed/affidavit
5. Copy of SSI / other category of Industry
6. Copy of valid manufacturing license w.r.t. other pesticides.
7. Copy of Registration Certificate(s) along with labels & leaflets.
8. Affidavit regarding details of endorsements made earlier with product name and Certificate No., duly notarized.
9. Justification for not obtaining the manufacturing license for the pesticides for which Registration Certificate(s) u/s 9(4) was/were obtained, supported by documentary evidence, duly notarized.
10. NOC from Pollution Control Board, if already taken.

As per 442 RC; Agenda item 10.36; 9(3)

1. Covering Letter
2. Index
3. Notarized copy of BOD resolution/partnership deed/affidavit
4. Endorsement Affidavit
5. Copy of Certificate of Registration from source/manufacture/ICAMA
6. Original hard copy of ICAMA/ Certificate of Registration
7. Legalized Consent Letter
8. NOC from Pollution Control Board

Requirements for the change of name of already approved source of import for office address only

Name of the applicant: M/s.....

Name of the Product.....

Administration/Legal

1. Index
2. Page numbering
3. Notarized copy of BOD Resolution/Affidavit/Partnership Deed
4. Authentication of pages by authorized signatory
5. Affidavit duly notarized regarding endorsement made earlier in respect of Certificate for which the present request is being made
6. Documentary proof of change of name applicable in respect of country duly authenticated by Consulate/Embassy/High Commission.
7. Copy of certificate of Registration.

Chemistry

1. Reason/justification for the change in name clarifying whether it is a case of merger/taking over of company/internal rearrangement/shifting of manufacturing unit
2. Analytical test report from the newly, named source along with undertaking w.r.t. quality specification and process of manufacture
3. Supportive document from the designated National Authority/Registration Document
4. Letter of consent, duly legalized from Indian Embassy/High Commission /Consulate in the country of origin and documentary evidence to prove the same
5. Any other additional relevant document/information

Requirements for the change of address of manufacturing premises of import in the country of origin in case of closure of old unit

Name of the applicant: M/s.....

Name of the Product.....

Administration/Legal

1. Index
2. Page numbering
3. Notarized copy of BOD Resolution/Affidavit/Partnership Deed
4. Authentication of pages by authorized signatory
5. Affidavit duly notarized regarding endorsement made earlier in respect of Certificate for which the present request is being made
6. Documentary proof of change of address applicable in respect of country duly authenticated by Consulate/Embassy/High Commission
7. Copy of certificate of Registration

Chemistry

1. Reason/justification for the change in address clarifying whether it is a case of merger/taking over of company/internal rearrangement/shifting of manufacturing unit
2. 5-batch analysis report from the changed source along with undertaking w.r.t. quality specification and process of manufacture
3. Supportive document from the designated National Authority/Registration Document
4. Letter of consent, duly legalized from Indian Embassy/High Commission /Consulate in the country of origin
5. Any other additional relevant document/information

Requirements for the change of name of source of import or change of manufacturing premises in the country of origin

Name of the applicant: M/s.....

Name of the Product.....

Administration/Legal

1. Index
2. Page numbering
3. Notarized copy of BOD Resolution/Affidavit/Partnership Deed
4. Authentication of pages by authorized signatory
5. Affidavit duly notarized regarding endorsement made earlier in respect of Certificate for which the present request is being made
6. Documentary proof of change of name applicable in respect of country duly authenticated by Consulate/Embassy/High Commission

OR

Documentary proof as per change of manufacturing premises duly authenticated by Consulate/Embassy/High Commission

7. Copy of certificate of Registration along with label / leaflet

Chemistry

1. Reason/justification for the change in name clarifying whether it is a case of merger/taking over of company/internal rearrangement/shifting of manufacturing unit
2. Analytical test report from the new premises along with undertaking w.r.t. quality specification and process of manufacture
3. Supportive document from the designated National Authority/ Registration Document
4. Letter of consent duly legalized from Indian Embassy/ High Commission/ Consulate in the country of origin
5. Any other additional relevant document/information.

Agricultural Chemicals for which no Maximum Residue Limit (MRL) applies

The Scientific Panel on Pesticide Residue (SPPR), FSSAI has discussed the subject on “Agricultural Chemicals for which no maximum residue limit (MRL) applies” in its 88th SPPR meeting and decided to seek the comments from the secretariat of CIB&RC and RC deliberated the matter in its 464th RC meeting (Vide agenda item no. 10.25) and agreed the decision taken by the SPPR. RC decided to seek the relaxation for the fixation of MRL on seed treatment products, Petroleum derived spray oils, and pesticides to be applied under nursery stage.

Agricultural Chemicals for which No Maximum Residue Level Applies

No	Pesticide	Condition
1.	1-Triacontanol	When used as a plant growth regulator on pasture
2.	1,4-Dimethylnaphthalene	When used for maintenance of sprout inhibition in stored potatoes
3.	9,10-Anthraquinone	Used as a bird repellent for grapes
4.	Ammonium sulfamate	General purpose herbicide
5.	Ammonium thiosulphate	Applied during flowering for fruit reduction in fruit plants
6.	Extract of <i>Azadirachta indica</i> (Neem) (containing azadirachtin)	Where the primary mode of action derives from the presence of azadirachtin, and; When used as an insecticide for food producing plant species
7.	<i>Bacillus thuringiensis</i>	Used as an insecticide
8.	<i>Banda de Lupinus albus doce</i>	Used as fungicide
9.	Barium carbonate	Used as a rodent poison
10.	Benzalkonium chloride	Bactericidal and fungicidal agent.
11.	Biocyclopyrone	Herbicide
12.	Boric acid	When applied as a fungicide for pruning wound treatment of fruit and control of canker in apple orchards
13.	Bromochlorodimethylhydantoin	When applied as a biocide to fruits and vegetables
14.	C9 – C16 Alkanes	When used as an agricultural chemical. Includes any structural isomer of linear alkanes, branched alkanes

		and cycloalkanes within the specified carbon number. The alkanes must contain no heteroatoms
15.	Calcium polysulphide (lime sulphur)	Used as a fungicide or insecticide on food producing plant species
16.	Camphor	Acting as a natural insect repellent, antifungal agent, and growth stimulant for certain crops.
17.	Carbon disulphide	Used as fungicides, biocides, and soil fumigants
18.	Chitosan	No condition of use applies
19.	Cholecalciferol (Vitamin D3)	Used as a rodenticide and food fortifier.
20.	Chlorine dioxide	When applied as an agricultural chemical to fruit and vegetables at a concentration not exceeding 10 ppm
21.	<i>Chromo bacterium subtsugae</i> PRAA4-1T and its metabolites, including violacein. Excludes metabolites that have been isolated as independent compounds.	When used as an agricultural chemical
22.	Cinnamaldehyde	Used as fungicide, insecticide, and post-harvest preservation agent due to its antifungal, antibacterial, and insecticidal properties.
23.	Copper and its salts	When used as an agricultural chemical
24.	3-Decane-2-one	A natural plant growth regulator used post-harvest on stored potatoes to inhibit sprouting. Also used as a flavouring ingredient.
25.	Elemental iron, iron complexes, and iron salts	When used in pellet form as a molluscicide
26.	Ethyl formate	Used as a post-harvest fumigant on cereal grains, fruit, oilseeds, and vegetables
27.	Ethylene	When used for ripening and de-greening of fruits
28.	Eugenol	When used as an insect attractant and fungicide on grapevines

29.	Fatty acids of 8 carbons or more in their chains, and their salts	When used as an agricultural chemical
30.	Geraniol	When used as a fungicide on grapevines
31.	Gibberellic acid (gibberellins GA3, GA4 and GA7 and potassium gibberellate)	Used as a plant regulator applied at <200 g a.i./ha/year
32.	Harpin $\alpha\beta$ protein	The source(s) of the harpin $\alpha\beta$ protein must be non-pathogenic or non-toxic to humans. The extracted harpin $\alpha\beta$ protein must be purified and be free of any bacterial cells
33.	Hydrogen peroxide	When used as a spray-on fungicide and bactericide treatment for fruits and vegetables
34.	Laminarin	Laminarin, a polysaccharide from brown seaweed, is used in agriculture as a plant defence stimulant, triggering plant's natural defence mechanisms against diseases like blights, rusts, and leaf spots.
35.	Methyl anthranilate	Used as a bird repellent
36.	Microbial Active Ingredients (any organism classified as a microorganism including but not limited to bacteria, protozoa, fungi and viruses, or the genetically modified or naturally occurring mutants of any of these microorganisms. This includes whole organisms (either viable or non-viable), organism organelles, organism metabolites, organism spores, or occlusion bodies.) This entry	When used as the active ingredient in an agricultural as registered pesticide.

	applies when the Microbial Active Ingredient leaves no residues of the parent organism, its metabolites, or toxins on the treated crop at levels that are considered a dietary intake concern. This entry does not include metabolites produced by a microorganism that have been isolated as an independent active ingredient.	
37.	Mixtures of chito-oligosaccharides and oligogalactonurans	No condition of use applies
38.	6-Benzyladenine	Used as a plant growth regulator
39.	Pimaricin (Natamycin)	Fungicide
40.	Pelargonic acid	Used as a non-selective, contact herbicide to control weeds, and as a blossom thinner for fruit trees.
41.	<i>Neotyphodium uncinatum</i> strain AR1006 (containing the Loline alkaloids: N-acetylloine, Nacetyl norloline, N-formylloine)	Where the primary mode of action derives from the presence of Loline alkaloids, and; When used as an insecticide for food producing plant species
42.	Ozone	When used as an agricultural chemical
43.	Phosphorous acid	When directly used as an agricultural compound, or when representative of the use of fosetyl aluminium as an agricultural compound
44.	Pine oil	When used as an herbicide
45.	Piperin	Insecticidal and antimicrobial properties

46.	Plant extracts (unrefined)	Except where listed in Schedule 1 of this Notice: Where the extract is in a product registered under the Agricultural Compounds and Veterinary Medicines Act 1997 and intended for use as an agricultural chemical, and; Where the extract is derived from plants of the following species: <i>Apocynum Venetum</i> <i>Beta vulgaris</i> (Sugar beet, beetroot, and chard) <i>Camellia sinesis</i> (Tea) <i>Clitorea tematea</i> (Butterfly Pea) <i>Fallopia sachalinensis</i> (Giant knotweed) <i>Melaleuca alternifolia</i> (Tea Tree) <i>Optuntia linheimeri</i> (Texas prickly pear) <i>Quercus falcate</i> (Southern red oak) <i>Rhizophoria mangle</i> (Red mangrove) <i>Rhus aromatica</i> (Fragrant sumac) <i>Ribes nigrum</i> (Blackcurrant) <i>Swinglea glutinosa</i> <i>Undaria pinnatifida</i> (Wakame)
47.	Polysaccharides	Used as an agricultural chemical
48.	Polyoxin D Zinc Salt	When used as an agricultural chemical
49.	Potassium bicarbonate	When used as an agricultural chemical
50.	Prohydrojasmon	When used as a colour enhancer on apples
51.	S-Absciscic acid	When used as a plant growth regulator
52.	Salicylic acid	When used on any fruit
53.	Scilliroside	Rodenticide
54.	Sulphur	When used as an agricultural chemical
55.	Synthetic latex	Used as an anti-pod shatter
56.	Tar oils (Tar Acid)	Used as pest control, seed protection, and soil stabilization

57.	Thymol	When used a fungicide on grapevines
58.	Piperin	Piperine is a major component of black pepper. It is used as repellent for various animals and effective in killing mosquito larvae.
59.	Methyl chavicol	Methyl chavicol, also known as estragole, is a natural compound found in plants like basil, tarragon, and fennel. This biopesticide is effective in controlling Fall armyworm.

Standard Operating Procedure (SOP) for use of Drone application with pesticides for crop protection in agricultural, forestry, non-cropped areas, etc.

(Approved by the RC in its 434th RC meeting held on 30.11.2021)



Government of India

**Ministry of Agriculture and Farmers Welfare
Department of Agriculture and Farmers Welfare
Krishi Bhawan
New Delhi**

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Endorsement

This Standard Operating Procedure (SOP) for use of Drone application with pesticides for crop protection in agricultural, forestry, non-cropped areas, is prepared by the committee constituted vide O.M. No 13-15/2020- M&T (I&P), dated 31st of March, 2021 under the chairmanship of Plant Protection Adviser, Directorate of Plant Protection, Quarantine & Storage, Faridabad, for undertaking safe and effective control of Pest and diseases by Drone application with pesticides through aerial spraying. This SOP will render guidance to the stakeholders/ pilot/operators/ users/regulators while undertaking safe and effective control of Pest and diseases by Drone based Pesticide application.

(Dr Ravi Prakash)

Plant Protection Adviser
Directorate of Plant Protection, Quarantine & Storage,
NH-IV, Faridabad-121001 India

1. Objective:

Indian Agriculture has gone through rapid advancements and has benefited from research and adoption of new technologies by farmers. Technologies like drip irrigation, mechanized farming for planting, harvesting and grading are being successfully used for sustainable agriculture in India.

In recent years, use of drone in agriculture has gained prominence and some states are actively engaged in checking the suitability of this new technology in Indian agriculture. Application of pesticides using drones has a great potential as we move towards commercialization and achieving precision in agricultural crops.

Drones are going to be important for increasing efficiency of application of crop protection chemicals by reducing manpower requirement, reducing time of application, reducing volume of water, quantity of chemicals and saving drift to environment along with reducing exposure to human being to hazardous chemicals.

In conventional agricultural practices, pesticides are sprayed either manually or with the help of tractor-mounted sprayers where high quantity of pesticides and water are used and where a sizable portion of spray goes waste in environment. However, drone-based spray requires less amount of water, as well as pesticides, due to better application and bio-efficiency.

To achieve the above stated objectives, Drones as a future technology for pesticide spraying, custom hiring and cooperative use will be encouraged and facilitated by Ministry of Agriculture and Farmers Welfare so that they are widely available and easily accessible to the farmers of the country. Drone as future technology for pesticide spraying are also expected to be linked with Agriculture insurance system for tackling any kind of damage and loss.

The SOP for drone regulation for pesticide application therefore covers important aspects like statutory provisions, flying permissions, area distance restrictions, weight classification, overcrowded areas restriction, drone registration, safety insurance, piloting certification, operation plan, air flight zones, weather conditions, SOPs for pre, post and during operation, emergency handling plan etc.

2. Statutory Provisions:

As per the provisions of the Insecticides Rules 1971, Under the Insecticides Act, 1968 one of the functions of the board (Central Insecticides Board) constituted under section 4 of the Act, is to specify the uses of the classification of insecticides on the basis of their toxicity as well as their being suitable for aerial application [Rule 3 (b)].

Further, as per Insecticide Rules 1971, Chapter VIII Rule 43 on Aerial Spraying Operations, the aerial application of Insecticide shall be applicable for pesticide application through drones subject to the following provisions:

- a. marking of the area shall be the responsibility of the operators;
- b. the operators shall use only approved insecticides and their formulations at approved concentration and height;
- c. washing decontamination and first-aid facilities shall be provided by the operators;
- d. All aerial operations shall be notified to the public not less than twenty-four hours in advance through competent authorities (written intimation to be sent to the Executive Officer of the respective Gram Panchayat & Panchayat Samiti, as well as the concerned Agriculture Officer of the area, at least 24 hours in advance).
- e. Animals and persons not connected with the operations shall be prevented from entering such areas for a specific period; and
- f. The pilots shall undergo specialization training including clinical effects of the insecticides (details on Pilot Training are given at point no.5.4 of this SOP).

3. The drone operations are being permitted by Ministry of Civil Aviation (M/o CA) and Director General of Civil Aviation (DGCA) through the conditional exemption route. New drone directorates have been established in DGCA recently to speed up the approval process. They have published a detailed DGCA Requirements for Operation of Civil Remotely Piloted Aircraft System (RPAS) Guidance Manual with an objective to acquaint the public and the industry with the procedures being followed for processing all matter pertaining to issue of unique identification number, unmanned aircraft operator permit, and related activities. It will help understand the flow of various processes involved and understand the intricacies of the system.

Further, Requirements for Operation of Civil Remotely Piloted Aircraft System (RPAS) mentions about the Civil Aviation Requirements (CAR) issued under the provisions of Rule 15A and Rule 133A of the Aircraft Rules, 1937 under the Aircraft Act, 1934 (22 of 1934) and lays down requirements for obtaining Unique Identification Number (UIN), Unmanned Aircraft Operator Permit (UAOP) and other operational requirements for civil Remotely Piloted Aircraft System (RPAS). These operations of drones are regulated by Unmanned Aircraft System (UAS) Rules, 2021, as published by Ministry of Civil Aviation vide G.S.R. 589(E) dated 25th August, 2021. Operators have the flexibility to utilize any RPAS/drone in case of agricultural pesticide spraying, irrespective of weight category or use case, provided the discharge of substance is cleared and mentioned in the Unmanned Aircraft Operator Permit (UAOP) issued by the DGCA.

4. Details, precautions and prerequisites etc. for Drone based Pesticide application

The following details, precautions, prerequisites etc. shall be adhered to before, during and post-operation:

4.1. Pre-application:

- i. Confirm not to fly in the drone-forbidden area (airport or electronic station). No prior permission is required for operating an unmanned aircraft system in a green zone.
- ii. Ensure your Drone is Digital Sky Compliant with „No Permission – No Takeoff“ hardware and firmware;
- iii. Obtain Unique Identification Number (UIN) from DGCA for operating in controlled airspace and affix it on your drone.
- iv. Obtain Unmanned Aircraft Operator Permit (UAOP), if applicable from DGCA for commercial operations and keep it handy
- v. Ensure drone is in good condition (not damaged) and fit for flying safely.
- vi. Keep an eye on interference: Interference can be from mobile devices or blockage of signals, do watch out when flying your drone.
- vii. Fly in visual line of sight (VLOS): Always be within visual range of your drone.
- viii. Ensure the operators are trained on both drone operation and safe use pesticide.
- ix. No alcoholic drinks should be consumed within 8 hours preceding operation.

- x. Calibrate drone spray system to ensure nozzle output and accurate application of labelled rates.
- xi. Check if drone is in good condition and that there is no leak in the spraying system.
- xii. Confirm a place for take-off, landing and tank mix operations.
- xiii. Check and mark proposed treated area, boundary, the obstacles (walls, trees) around the field for safe operation.
- xiv. Set up the least buffer zone (as specified by DGCA/ CIB&RC) between drone treatment and the non-target crop.
- xv. Confirm presence of water sources - Do not spray pesticides near water sources (less than 100 m from target area) to avoid polluting water sources.
- xvi. Check if the public has been notified/intimated at least twenty-four hours in advance through a written intimation to the competent authorities, that is the Executive Officer of the respective Gram Panchayat & Panchayat Samiti, as well as the concerned Agriculture Officer of the area.
- xvii. Concerned territory in-charge/operators to ensure that animals and persons not connected with the operations shall be prevented from entering such areas for a specific period.
- xviii. Do log your flights and intimate concerned authorities (like DGCA, local police etc.) of any incidents/ accidents
- xix. Don't fly drone over groups of people, public events, or stadiums full of people without permission
- xx. Don't fly drone over government facilities/military bases or over/ near any no-drone zones.
- xxi. Don't fly drone over private property unless permission is given.
- xxii. Don't fly drone in controlled airspace near airports without filing flight plan or AAI/ADC permission (at least 24 hours before actual operation).
- xxiii. Don't drop or carry hazardous material
- xxiv. Don't fly drone from a moving vehicle, ship or aircraft.
- xxv. Don't fly the Drone in contraventions to the Unmanned Aircraft System Rules (UAS), 2021 rules as published by Ministry of Civil Aviation vide G.S.R. 589(E) dated 25th August, 2021 and as amended from time to time.

4.2. During Application:

- i. Read labels carefully to understand safety guidance.
- ii. Wear Personal Protect Equipment (PPE).
- iii. Do not eat, drink or smoke while spraying.
- iv. Confirm the flying route was reasonable to minimize turn around.
- v. Operation team shall always stay at the downwind end of the field and backlight direction.
- vi. Spray with pure water first to test operation for at least 5 minutes wherever feasible and required.
- vii. Ensure two-step dilutions to fully dissolve the pesticide.
- viii. Adopt proper pressure for optimized droplet spectrum ($>100\mu\text{m}$).
- ix. Check weather conditions for:
 - a. Appropriate Wind speed,
 - b. Appropriate Temperature,
 - c. Appropriate Humidity
- x. Ensure appropriate flying height above target crop.
- xi. Ensure appropriate water volume.
- xii. Ensure appropriate flying speed.
- xiii. Avoid having to walk through crop which has been contaminated by drifting spray.
- xiv. Do not spray during active bee foraging period of the day. Avoid spray drift to flowering nectar crop.
- xv. When spraying pesticides that are toxic to non-target organisms such as fish, birds and silkworm, strictly abide by the product label requirements and take effective measures to avoid risks.
- xvi. Use anti-drift nozzle to decrease drift to human and environment.

4.3. Post Application:

- i. Timely evacuation and transfer to fresh air.
- ii. Triple rinse of empty container is mandatory.
- iii. Ensure waste generated is kept to a minimum.
- iv. The disposal of waste must conform to the local laws.
- v. Never burn or bury hazardous waste.

- vi. Never leave empty containers in the field. It should be disposed of as per the Insecticides Rule 1971.
- vii. Set up warning signs in the spray area for reminding people.
- viii. Take a shower and put on clean clothes.
- ix. To prevent leakage of plant protection products in the process of transport and waiting to use.
- x. Securely store plant protection products away from unauthorized people, animals and food when transporting and storing PPP. Safely dispose all spills immediately.
- xi. Follow the maintenance schedule as prescribed by the Drone manufactures.

5. Critical parameters to be considered for Drone based pesticide application:

5.1. Drone related:

- i. Only Director General of Civil Aviation (DGCA) certified/approved drone shall be permitted to carry-out agriculture spray. The reliability of the drone is assured through DGCA certification process.
- ii. The drone must have capability to handle variable payload (depleting tank). The nozzle system should be attached in a manner that the spray swath is continuous when sprayed from the minimum permitted height above the uniformly distributed crop (e.g. paddy/sugarcane).
- iii. The drone must be fitted with accurate altitude sensor to ensure desired height above the crop is maintained throughout the spraying mission.
- iv. The GPS accuracy of the drone and accuracy of the map shall be characterized and the same shall be utilized to define the safety/buffer margin while creating the geo-fencing around the field or obstacles.
- v. The drone spray system must support variable flow control to ensure uniform dispensing of the payload.
- vi. The drone must have necessary fail-safes including Return to Home (RTH) on empty tank and auto mission restart from the point RTH was engaged.
- vii. The drone spray system should be leak proof and dripping of Pesticides/Insecticides should be avoided during the application. (Check before flight)

5.2. Pesticides/Insecticides

- i. Only Central Insecticides Board and Registration Committee (CIB&RC) approved Pesticides/Insecticides shall be used.
- ii. The dose has to remain within the range approved by CIB&RC.
- iii. The Pesticides/Insecticides (liquid/solid) compatibility with the drone spray system shall be established prior to the mission for the desired dilution. This is to ensure Pesticides/Insecticides solubility formulation stability and ability to spray with the type of

nozzles provided in the drone. In case of mixing of more than one Pesticides / Insecticides, CIB&RC specified guidelines must be adhered to.

- iv. The minimum dilution shall be decided based on the fulfilment of the above-mentioned requirements and ensuring satisfactory coverage of sprayed input both horizontally and vertically.
- v. Pesticides/Insecticides should be diluted only with clean water wherever applicable or with other suitable ingredient as has been approved by the CIB&RC.

5.3.Environment Limitations

The drone based spray should be undertaken and may be permitted under the conducive weather conditions to get the best results in terms of appropriate Wind speed, Temperature& Relative Humidity etc.

5.4. Pilot Training

- i. Only DGCA certified pilots shall be permitted to fly the agri drones.
- ii. A training module as devised by NIPHM, Hyderabad encompassing pesticide/ insecticide handling, agri-mission specific operational protocols, and relevant crop protection guidelines shall be made mandatory for pilots operating pesticide/ insecticide spray drones.

5.5.Drift Management -Critical Operational Parameters

Majority of land holdings are small and there are possibilities of spray drift to the nearby crop fields while spraying with drones. To minimize the spray drift, apart from wind limitation, the following are important and to be suitably adopted:

- i. Spray height above crop canopy
- ii. Speed of the drone
- iii. Suitable nozzles and Droplet size
- iv. A buffer zone can be demarcated (geo fenced)
- v. Spray schedule should be at appropriate time gap either before rainfall or after rainfall.
- vi. Others, as specified in guidelines issued by CIB&RC from time to time.

5.6.Safe guarding the non-targets

The non-targets shall be safe guarded by adhering to the following operational protocols:

- i. Buffer zone as per CIB&RC approved guidelines to cater to Pesticides/Insecticides drift, shall be maintained between the adjacent farms or different crops to avoid spray on non-targets.
- ii. During the spray operation operator should always maintain the distance approved by CIB&RC from the drone and avoid windward direction as much as possible.

- iii. No human or animal movement shall be permitted within the farm during and immediately after the spray operations.
- iv. Drone based pesticides spray operations should be conducted at a distance approved by CIB&RC from water bodies, residential areas, fodder crops, public utilities, dairy, poultry etc. and as per DGCA guidelines.

6. Registration requirements of pesticides for drone application:

The Registration requirements of pesticides for drone application and the modalities are dynamic in nature and will be considered based upon the safety, efficacy, statutory and legal requirements and published by the Central Insecticides Board and Registration committee (CIB&RC) from time to time. Drone users shall use only Central Insecticides Board and Registration Committee approved pesticides.

For registration of insecticides/pesticides and for use with drone, the applicant shall apply before Secretariat of CIB&RC, in the manner, as prescribed by CIB&RC under the Insecticides Act, 1968.

7. Spray Monitoring Form& Data Submission:

Spray monitoring data dully filled by the operator/ service provider shall be submitted through email(as mentioned in the guidelines issued by CIB&RC)/online portal created for the purpose, with-in seven days of application of pesticides through drone, in the form as prescribed in Annexure-I below.

SPRAY MONITORING FORM

Annexure-I

1	LOCATION of Trial Details	1	2	3	4	5	6
1-1	Date						
1-2	Name of the location						
2	VEGETATION DATA						
2-1	Vegetation type (Crop, Grass, Bushes, Trees,)	G B T C	G B T C	G B T C	G B T C	G B T C	G B T C
2-2	Height from ground/Crop Canopy (m)						
2-3	Crop names and pest/disease/weed infection/infestation/intensity (%)						
3	PESTICIDE DATA						
3-1	Trade name& Common name						
3-2	Concentration (g a.i./l or %)						
3-3	Formulation (EC, ULV, Dust)	E U D	E U D	E U D	E U D	E U D	E U D
3-4	expiry date						
3-5	Is the insecticide mixed with water or solvent?	Y N	Y N	Y N	Y N	Y N	Y N
3-6	If yes, what solvent and mixing ratio						
4	WEATHER CONDITIONS						
	Start and end of control operations	Start	End	Start	End	Start	End
4-1	Date & time						
4-2	Temperature (°C)						

4-3	Relative humidity (%)												
4-4	Wind speed (m/s)												
4-5	Wind direction (degrees from N)												
4-6	Spray direction (degrees from N)												
5	SPRAY APPLICATION												
5-1	Sprayer type (Rotary, Airblast, ENS, Hydraulic, Other)	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O
5-2	Sprayer operator (Pilot, Driver, Hired, Other)	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O
5-3	Sprayer manufacturer												
5-4	Sprayer model												
5-5	Sprayer platform (Aerial, Vehicle, Handheld)	A V H	A V H	A V H	A V H	A V H	A V H	A V H	A V H	A V H	A V H	A V H	A V H
5-6	Date of last calibration												
5-7	Atomizer height above ground (m)												
5-8	ROTARY SPRAYERS: speed setting (blade angle, pulley setting, no. batteries)												
5-9	Speed of atomizer (rpm)												
5-10	Flow rate setting (which nozzle or restrictor used)												
5-11	Flow rate/atomizer (l/min)												
5-12	Number of atomizers												
5-13	Track spacing (m)												
5-14	BARRIERS ONLY: width and spacing (m)												
5-15	Forward speed (km/h)												
5-16	AERIAL SPRAYING: support supplied	GP = ground party available RC = radio communication with aircraft TG = DGPS track guidance											
		GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG
5-17	Ground marking (GPS, Flag, Mirror, Smoke, Vehicle, None)	G F M S V N	G F M S V N	G F M S V N	G F M S V N	G F M S V N	G F M S V N	G F M S V N	G F M S V N	G F M S V N	G F M S V N	G F M S V N	G F M S V N
6	CONTROL EFFICACY												
6-1	Effectiveness/mortality (%)												
6-2	Days after treatment/ time after treatment (hours)												
6-3	Yield of Crop/method of Effectiveness /mortality estimation (Quadrats, Target size, Visual, Cages, Other)	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O
7	SAFETY AND ENVIRONMENT												
7-1	Protective clothing: what did the operator wear?	G = goggles M = mask L = gloves O = overalls B = boots											
		G M L O B	G M L O B	G M L O B	G M L O B	G M L O B	G M L O B	G M L O B	G M L O B	G M L O B	G M L O B	G M L O B	G M L O B
7-2	Was soap and water available?	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N
7-3	Who was informed of spraying? (Farmers, Nomads, Villagers, Officials, Beekeeper, others, etc.)	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B
7-4	Effect on non-target organisms	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N
7-5	If yes, what type of effect?												
7-6	Details of anyone who felt unwell or if other problems were encountered												
7-7	Details about nearby water-bodies and water channels												

SPRAY MONITORING FORM

Annexure-II

1	LOCATION of Trial Details	1	2	3	4	5	6
1-1	Date						
1-2	Name of the location						
2	VEGETATION DATA						
2-1	Vegetation type (Crop, Grass, Bushes, Trees,)	G B T C	G B T C	G B T C	G B T C	G B T C	G B T C
2-2	Height from ground/Crop Canopy (m)						
2-3	Crop names and pest/disease/weed infection/infestation/intensity (%)						
3	PESTICIDE DATA						
3-1	Trade name & Common name						
3-2	Concentration (g a.i./l or %)						
3-3	Formulation (EC, ULV, Dust)	E U D	E U D	E U D	E U D	E U D	E U D
3-4	expiry date						
3-5	Is the insecticide mixed with water or solvent?	Y N	Y N	Y N	Y N	Y N	Y N
3-6	If yes, what solvent and mixing ratio						
4	WEATHER CONDITIONS						
	Start and end of control operations	Start	End	Start	End	Start	End
4-1	Date & time						
4-2	Temperature (°C)						
4-3	Relative humidity (%)						
4-4	Wind speed (m/s)						
4-5	Wind direction (degrees from N)						
4-6	Spray direction (degrees from N)						
5	SPRAY APPLICATION						
5-1	Sprayer type (Rotary, Airblast, ENS, Hydraulic, Other)	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O
5-2	Sprayer operator (Pilot, Driver, Hired, Other)	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O
5-3	Sprayer manufacturer						
5-4	Sprayer model						
5-5	Sprayer platform (Aerial, Vehicle, Handheld)	A V H	A V H	A V H	A V H	A V H	A V H
5-6	Date of last calibration						
5-7	Atomizer height above ground (m)						
5-8	ROTARY SPRAYERS: speed setting (blade angle, pulley setting, no. batteries)						
5-9	Speed of atomizer (rpm)						
5-10	Flow rate setting (which nozzle or restrictor used)						
5-11	Flow rate/atomizer (l/min)						
5-12	Number of atomizers						
5-13	Track spacing (m)						
5-14	BARRIERS ONLY: width and spacing (m)						
5-15	Forward speed (km/h)						
5-16	AERIAL SPRAYING: support supplied	GP = ground party available RC = radio communication with aircraft TG = DGPS track guidance					
		GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG
5-17	Ground marking (GPS, Flag, Mirror,	G F M S V	G F M S V	G F M S V	G F M S V	G F M S V	G F M S V

	Smoke, Vehicle, None)	N	N	N	N	N	N
6	CONTROL EFFICACY						
6-1	Effectiveness/mortality (%)						
6-2	Days after treatment/ time after treatment (hours)						
6-3	Yield of Crop/method of Effectiveness /mortality estimation (Quadrats, Target size, Visual, Cages, Other)	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O
7	SAFETY AND ENVIRONMENT						
7-1	Protective clothing: what did the operator wear?	G = goggles M = mask L = gloves O = overalls B = boots					
		G M L O B	G M L O B	G M L O B	G M L O B	G M L O B	G M L O B
7-2	Was soap and water available?	Y N	Y N	Y N	Y N	Y N	Y N
7-3	Who was informed of spraying? (Farmers, Nomads, Villagers, Officials, Beekeeper, others, etc.)	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B
7-4	Effect on non-target organisms	Y N	Y N	Y N	Y N	Y N	Y N
7-5	If yes, what type of effect?						
7-6	Details of anyone who felt unwell or if other problems were encountered						
7-7	Details about nearby water-bodies and water channels						

**Standard Operating Procedures (SOP) on aerial spraying using aircraft/
helicopter/drone for control of Desert Locust**

(Approved by the RC in its 434th RC meeting held on 30.11.2021)



Government of India

**Ministry of Agriculture and Farmers Welfare
Department of Agriculture, Cooperation and Farmers Welfare**

**Directorate of Plant Protection, Quarantine & Storage
N.H.IV., Faridabad-121001 (ppa@nic.in)**

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Endorsement

This Standard Operating Procedure (SOP) for Aerial Spraying by aircraft/helicopter/drone is prepared by the Directorate of Plant Protection, Quarantine & Storage, Faridabad in line with FAO SOP on aerial spraying and considering requirement envisaged under the relevant provisions (Rule 43) of the Insecticides Act 1968 and Insecticides Rules 1971 for undertaking safe and effective control of desert locust by aerial spraying using aircraft/helicopter/drone. This SOP will render guidance to the locust officer/ pilot/operators while undertaking aerial control operations. This SOP is duly approved on 18th May, 2020.

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Standard Operating Procedures (SOP) for Desert Locust Control

Objective

The objective of the Standard Operating Procedures (SOP) for Desert Locust Aerial Control is to give concise instructions for effective and safe control operations against the Desert Locust using aircraft/helicopter/drone. Considering the legal requirements envisaged under the relevant provisions of the Insecticides Act 1968 and Insecticides Rules 1971 for undertaking safe and effective control of desert locust by aerial spraying using aircraft/helicopter/drone these instructions required to be followed. These instructions are intended for use by the field staffs who are involved in Desert Locust aerial operations (including Locust Officers and pilots/operators) to help them avoid dangerous, ineffective or wasteful operations. They are based on the **FAO Desert Locust Guidelines for aerial spraying** where more detailed information and references are available.

The instructions focus on:

- Aerial survey operations
- Aerial spraying of insecticides
- Aerial spray equipment's
- Techniques for safe and efficient operations

1. Control process

A series of steps need to be followed before, during and after aerial survey and control operations.

Aircraft/Helicopter are best for spraying large areas (5000+ ha) the smallest area an aircraft can spray is 100 ha and inaccessible through ground vehicles. Use of drone is useful for spot applications of pesticides such as long trees and in the area where vehicle entry is inaccessible such as acacia plantation, sand dune etc.

PREPARATIONS before control operations

- Determine what type and number of aircraft/helicopter/drone are required for control operations
- Select competent control teams and provide them with training or refresher training. The pilots/Operator shall undergo specialization training including clinical effects of the insecticides by the experienced locust officer as well as medical toxicologist authorized by the Plant Protection Adviser.
- Check and service of aircraft/helicopter/drone

- Check and test the spray system on the aircraft/helicopter/drone, that commonly needed spare parts are available and aircraft/helicopter/drone are equipped with a GPS-based track guidance system
- Distribute the required quantity and type of insecticides, protective clothing, aviation fuel and pumps to the likely spray sites
- Make sure that aircraft/helicopter/drone is available in the country and can be contracted by the MOA&FW for control operations. Check that airstrips have been maintained

BEFORE aerial control operations

- Determine if aerial control operations are required.
- If so, choose appropriate aircraft/helicopter/drone types, insecticide and spray coverage pattern (barrier or full cover).
- Calibrate the spray system on the aircraft/helicopter/drone in order to assure the correct amount of insecticide is applied in the right way and in the right place.
- All aerial operations shall be notified to the public not less than twenty-four hours in advance through competent authorities
- Animals and persons not connected with the operations shall be prevented from entering such areas for a specific period
- Ensure that local inhabitants are informed about the date, time and location of control operations, so that they can move their livestock, beehives and families to safety.
- Find the wind direction in order to establish a spray direction at right angles to it and demarcate the infested area.
- Make sure that temperature, wind and rainfall conditions are suitable and safe for the aerial control operations.
- Marking of the area shall be the responsibility of the operators
- Washing, decontamination and first-aid facilities shall be provided by the operators

DURING aerial control operations

- Make sure that all staff who are handling or applying insecticide use full protective clothing
- The operators shall use only approved insecticides and their formulations at approved concentration and height
- All other non-spraying personnel, vehicles and equipment are away from the target area to avoid contamination by the sprayed insecticide

- Start at the downwind edge of the target area and spray cross wind (at right angles to the wind direction), moving upwind after each spray pass, making sure to measure the correct track spacing using DGPS, flagmen or other means
- Make an extra spray pass upwind of the target area to prevent under-dosing at the upwind edge
- Stop spraying if the wind drops (less than 1 m/s) or becomes very strong (more than 10 m/s) and wait for the right conditions
- Stop spraying if it starts to rain or seems likely to rain soon
- Stop spraying if the wind direction changes by more than 45 degrees, adjust your new spray line and spray the remaining area

AFTER aerial control operations

- Monitor and record all relevant details on the *FAO Spray Monitoring Form* (Annexure-I).
- Empty any insecticide remaining in the aircraft/helicopter/drone spray tank back into the original insecticide container. Clean and maintain the spray system on the aircraft/helicopter/drone, and store the insecticide and the empty containers in safe places.
- Wash yourself and the protective clothing as soon as possible.

2. Ground support team and field equipment

Support Team: one locust officer, two drivers and two vehicles, plus support staff such as assistants and skilled laborers.

Equipment: to be available in each team

- Hand-held GPS (1)
- Maps, compass
- FAO forms (2)
- Clipboard, paper and pen
- Anemometer
- Hygrometer
- Flags
- Oil sensitive paper to sample ULV droplets
- Bucket and plastic measuring cylinder or jug

- VHF or UHF walkie-talkies for short range ground-to- air communication
- Vibrating tachometer
- Stop watch
- Hand lens (x10)
- Sweep net
- Plastic bags
- Tool kit, first aid kit
- HF radio
- Cages for mortality assessment
- Water and soap for washing
- Sets of protective clothing for all staff handling insecticides

(1) *extra batteries, cigarette lighter adapter, remote antenna*

(2) *Survey & Control Forms and Spray Monitoring Forms*

3. Principles of ULV application

Ultra low volume (ULV) spraying uses small amounts of concentrated insecticide. In locust control, about 1.0 litre/hectare is applied. The insecticide is not mixed with water or solvent. It is oil-based to prevent evaporation and is usually applied ready to spray.

Droplets of spray are carried by the wind. In full coverage treatments, the insecticide is sprayed as overlapping swaths onto the control target so that a uniform deposit is achieved and the locusts receive enough insecticide. Remember:

- Do **not** spray during the hottest part of the day (1100-1600 hr) when convection may occur and carry the spray up into the sky instead of down onto the locusts
- Do **not** spray at low wind speeds less than 1 m/s
- Do **not** spray at high wind speeds more than 10 m/s

4. ULV aerial spray system

A good ULV sprayer uses rotary atomizers (spinning discs or rotating cages) to produce droplets in a small size range (50-100 μm). If droplets are too large or too small, control will be poor and insecticide wasted. For aerial spraying, use the following:

- Volume median diameter (VMD): 75-100 μm
- Blade angle: 35° (AU4000), 40° (AU5000) (1)
- Emission height: 5-10 meters, depending on wind (2)

- Aircraft/helicopter speed: 140-160 km/h in consultation with pilot
 (1) at air speed of 160 km/h, 7000 rpm (AU4000), 8000 rpm (AU5000)
 (2) higher for milling and flying swarms and, possibly, barrier control
- Drone height and speed should coincide with effective and safe locust control operation.

5. Calibrating ULV spray system

The aerial spray system on the aircraft/helicopter/drone must be calibrated before the actual spraying takes place.

What is calibration?

The aerial spray equipment needs to be adjusted in order to apply the recommended amount of insecticide, in the right size spray droplets, to the right place.

Before setting flow rates for the first time, consult the manufacturer's manual to get a rough estimate of the required flow rate. On aircraft/helicopter/drone, flow rate is checked by recording the time spent spraying and the amount of insecticide used. Accordingly, the flow rate should be measured and reset if necessary.

Calibration should always be carried out by using the actual insecticide that will be applied

When do you calibrate spray equipment?

- When the aerial spray equipment is new
- When the insecticide formulation or concentration is changed
- When the volume application rate (VAR), track spacing or forward speed is changed
- Before the beginning of the campaign and at weekly intervals during it

How to calibrate a sprayer

Step 1. Find the recommended dose of the insecticide (g a.i./ha), from the drum label, FAO Guidelines, etc. If it is given as litres/hectare, go to step 3.

Step 2. Calculate the required Volume Application Rate (VAR).

$$\text{VAR (l/ha)} = \frac{\text{Recommended dose (g a.i./ha)}}{\text{Formulation concentration (g/l)}}$$

Example: If the recommended dose for chlorpyrifos is 250 g a.i./ha and its concentration is 450 g/l what is the VAR?

$$\text{VAR (l/ha)} = \frac{250}{450} = 0.55 \text{ l/ha}$$

If the formulation concentration expressed as a percentage of weight to volume (% w/v) convert the concentration to g a.i./l by using the formula:

$$\text{Concentration (g a.i./l)} = \frac{\text{Concentration given} \times 1000}{100}$$

Example: If the concentration given for Malathion is 96%, then this must be converted by using the formula:

$$\text{Concentration in g a.i./l} = \frac{96 \times 1000}{100} = 960 \text{ g a.i./l}$$

In short, multiply the given percentage concentration by 10.

Step 3. Calculate the Flow Rate (FR).

$$\text{FR (l/min)} = \frac{\text{VAR (l/ha)} \times \text{speed (km/h)} \times \text{track spacing (m)}}{600}$$

Example: What flow rate is required from an aircraft flying at 140 km/h using a 100m track spacing in order to apply 960 g a.i./ha of Malathion 96% ULV?

$$\text{FR (l/min)} = \frac{1 \text{ (l/ha)} \times 140 \text{ (km/h)} \times 1000 \text{ (m)}}{600} = 23.33 \text{ l/min}$$

It is important to remember that if one of the parameters (flow rate, track spacing or forward speed) is altered, then one or more of the others have to be changed in order to maintain the correct Volume Application Rate and Dose.

- If flow rate increases VAR increases (and vice versa)
- If track spacing increases VAR decreases (and vice versa)
- If forward speed increases VAR decreases (and vice versa)

Example: If the wind becomes stronger, it might be possible to increase the track spacing to allow a faster work rate. In order to maintain the correct VAR and dose, either the spray forward speed must be decreased or the flow rate must be increased. In order to achieve a faster work rate from the wider track spacing, the flow rate must be increased, rather than the forward speed being decreased.

How to measure the flow rate of aerial spray systems Electronic pesticide

pumps (collection technique):

Step 1. Calculate the required flow rate for each atomizer.

Step 2. Make sure that the aircraft engine is running so that the correct voltage is being supplied to the pump.

Step 3. Set the approximate flow rate based on tables in the user's handbook.

- Step 4.** Position a bucket under each atomizer. To prevent insecticide from squirting outside the collecting bucket, fasten plastic bags with a hole in the bottom over the atomizers.
- Step 5.** Put about 50 litres of insecticide into the spray tank in order to prime the pipework. Ensure that the pipes are full by pumping insecticide through the atomizers until air bubbles disappear (the pipework in an aircraft spray system can contain up to 30 litres of liquid). Return the collected insecticide to the sprayer tank.
- Step 6.** Put the buckets back under each atomizer, turn on the pump (*but not the atomizers*) and measure the volume of insecticide collected using a measuring cylinder. **Step 7.** Adjust the flow rate to bring it closer to the required rate calculated previously.
- Repeat step 6 until this rate has been achieved to within about 5% error.
- Step 8.** When the required flow rate has been achieved, recheck it two more times to ensure that it is correct.

Windmill-driven pesticide pumps (loss technique while in flight):

- Step 1.** Calculate the desired flow rate (see page 12).
- Step 2.** Set the approximate flow rate based on tables in the user's handbook.
- Step 3.** Position a bucket under each atomizer. To prevent insecticide squirting outside the collecting bucket, fasten a plastic bag with a hole in the bottom over each atomizer. Put about 50 litres of insecticide into the spray tank in order to prime the pipework. Ensure that the pipes are full by pumping insecticide through the atomizers until air bubbles disappear (the pipework in an aircraft spray system can contain up to 30 litres of liquid). Return collected insecticide to the sprayer tank.
- Step 4.** Fill the spray tank to a known level with insecticide (either complete full or to a marked level).
- Step 5.** Take off and spray over the target area using normal spraying techniques for a specific number of minutes (**M**).
- Step 6.** After landing, use a measuring cylinder to measure the amount of insecticide required to refill the spray tank to its original level. This is the number of litres emitted (**E**).
- Step 7.** Calculate: **Flow rate (l/min) = $\frac{E(l)}{M \text{ (mins)}}$**
- Step 8.** Adjust the flow rate to bring it closer to the required rate calculated previously. Repeat steps 4-7 until this rate has been achieved to within about 5% error.
- Step 9.** When the required flow rate has been achieved, recheck it two more times to ensure that it is correct.

How to estimate work rate

A rough estimate of the work rate can be calculated from the formula:

$$\text{Work rate (ha/h)} = \frac{\text{Forward speed (km/h)} \times \text{track spacing (m)}}{10}$$

10

Note: this formula does not take into account the time required for turning at the end of each spray pass, which can be considerable for aircraft.

Typical track spacing in aerial control

A track spacing of **100 m** is generally used when spraying hopper bands, blocks of bands or settled swarms, milling swarms at roost and stratiform swarms using aircraft/helicopter.

6. Recording and reporting

Monitoring is very important in order to document the activities and to allow later analysis of the successes and failures of any campaigns. Most of the information concerning the control operations and their efficacy and the efficiency of the campaign are covered in the *FAO Spray Monitoring Form* (Annexure-I).

The form should be completed in order to include details on the location, rainfall, ecology and locusts. Duly filled forms should be returned to the National Locust Unit headquarters as soon as possible for review. Any problems (lack of protective clothing, overdosing, poor efficacy, non-target effects, etc.) can be noted on the form so they can be addressed later.

General flight report and job details produced by the DGPS, track guidance system and any flow control systems on board the aircraft/helicopter should be submitted to the Locust Control Unit Headquarters. Field staff recording the details of each control

Field staff recording the details of each control operation should use these forms

operation should use these forms

7. Cleaning, storing and disposal

Spray equipment should always be clean and ready to use. Properly dispose empty containers.

Always wear protective clothing while handling insecticides

Aerial spray system

- Drain unused insecticide back into the original containers
- To clean the sprayer, put some kerosene or diesel into it and spray it over the target area or waste ground, away from water bodies or supplies used by people or livestock; never dump this liquid in one place such as a pit
- Carry out any repair or required maintenance

- Wash the outside of the spray system with a cloth soaked in diesel or kerosene
- Cover the spray system (atomizer, variable restrictor unit and blades) with suitable protective covering to avoid any contamination (e.g. dust)

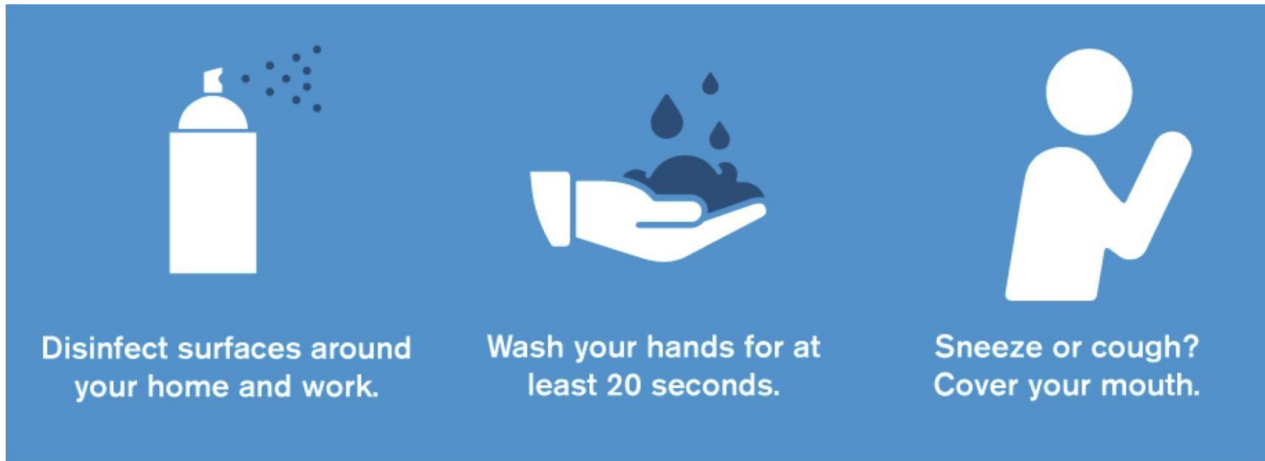
Insecticide storage

- Keep insecticide in original containers in a cool locked store to reduce deterioration caused by high temperatures
- Use older insecticides first (first-in-first-out system)

Disposal of empty insecticide containers

- Follow relevant provisions envisaged under the Insecticides Act 1968 and Rule 1971
- Clean empty insecticide containers three times inside and out with diesel or kerosene
- Collect the small volume of washings and dispose of by adding them to the insecticide in sprayer tanks during the next control operations or, if it is the end of the season, pour them into insecticide containers that are not full
- Never use empty containers for any other purpose than insecticides
- If they are to be recycled, they should be transported back to manufacturer
- Containers for disposal should be punctured, crushed and sent back to relevant authorities for appropriate disposal

Coronavirus: Safety Tips



Follow these steps to help keep you and others safe:

Download Arogya Setu App in your Mobile Phone

Stay home if you can and avoid any non-essential travel. Avoid social gatherings of more than 5 people.

Practice social distancing by keeping at least 6 feet — about two arm lengths — away from others if you must go out in public. Stay connected with loved ones through video and phone calls, texts and social media. Avoid close contact with people who are sick.

Wash your hands often with soap and water for at least 20 seconds, especially after being in a public place, or after blowing your nose, coughing or sneezing. If soap and water are not readily available, use a hand sanitizer with at least 60% alcohol.

Avoid touching your eyes, nose and mouth with unwashed hands.

Clean and disinfect household surfaces daily and high-touch surfaces frequently throughout the day. High-touch surfaces include phones, remote controls, counters, tabletops, doorknobs, bathroom fixtures, toilets, keyboards, tablets and bedside tables.

Cover your coughs and sneezes. Use a tissue to cover your nose and mouth and throw used tissues in a lined trash can. If a tissue isn't available, cough or sneeze into your elbow — not your hands. Wash your hands immediately.

Annexure-I

FAO SPRAY MONITORING FORM

Attach this form to the DL Survey and Control Form and submit both to the National Locust Unit in your country whenever control operations are carried out

(indicate appropriate information as required)

1	CONTROL LOCATION	1	2	3	4	5	6
1-1	date						
1-2	name (from DL Survey Form)						
2	VEGETATION DATA						
2-1	vegetation type (Grass, Bushes, Trees, Crop)	G B T C	G B T C	G B T C	G B T C	G B T C	G B T C
2-2	height (m)						
2-3	crop names and damage (%)						
3	INSECTICIDE DATA						
3-1	trade name						
3-2	concentration (g a.i./l or %)						
3-3	formulation (EC, ULV, Dust)	E U D	E U D	E U D	E U D	E U D	E U D
3-4	expiry date						
3-5	is insecticide mixed with water or solvent?	Y N	Y N	Y N	Y N	Y N	Y N
3-6	if yes, what solvent and mixing ratio						
4	WEATHER CONDITIONS						
	start and end of control operations:	start	end	start	end	start	end
4-1	time						
4-2	temperature (°C)						
4-3	relative humidity (%)						
4-4	wind speed (m/s)						
4-5	wind direction (degrees from N)						
4-6	spray direction (degrees from N)						
5	SPRAY APPLICATION						
5-1	sprayer type (Rotary, Airblast, ENS, Hydraulic, Other)	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O	R A E H O
5-2	sprayer operator (Pilot, Driver, Locust officer, Hired, Other)	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O	P D L H O
5-3	sprayer manufacturer						
5-4	sprayer model						
5-5	sprayer platform (Aerial, Vehicle, Handheld)	A V H	A V H	A V H	A V H	A V H	A V H
5-6	date of last calibration						
5-7	atomizer height above ground (m)						
5-8	ROTARY SPRAYERS: speed setting (blade angle, pulley setting, no. batteries)						
5-9	speed of atomizer (rpm)						
5-10	flow rate setting (which nozzle or restrictor used)						
5-11	flow rate/atomizer (l/min)						
5-12	number of atomizers						
5-13	track spacing (m)						
5-14	BARRIERS ONLY: width and spacing (m)						
5-15	forward speed (km/h)						
5-16	AERIAL SPRAYING: support supplied	GP = ground party available RC = radio communication with aircraft TG = DGPS track guidance					
		GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG	GP RC TG
5-17	ground marking (GPS, Flag, Mirror, Smoke, Vehicle, None)	G F M S V N	G F M S V N	G F M S V N	G F M S V N	G F M S V N	G F M S V N
6	CONTROL EFFICACY						
6-1	locust mortality (% dead)						
6-2	time after treatment (hours)						
6-3	method of mortality estimation (Quadrats, Target size, Visual, Cages, Other)	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O	Q T V C O
7	SAFETY AND ENVIRONMENT						
7-1	protective clothing: what did the operator wear?	G = goggles M = mask L = gloves O = overalls B = boots					
		G M L O B	G M L O B	G M L O B	G M L O B	G M L O B	G M L O B
7-2	was soap and water available?	Y N	Y N	Y N	Y N	Y N	Y N
7-3	who was informed of spraying? (Farmer, Nomad, Villager, Official, Beekeeper)	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B	F N V O B
7-4	effect on non-target organisms	Y N	Y N	Y N	Y N	Y N	Y N
7-5	if yes, what						
7-6	details of anyone who felt unwell or if other problems were encountered:						

Templates/Proforma for the scrutiny of the applications of registration of pesticides in various category.

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CHEMISTRY

COMPREHENSIVE TECHNICAL DOSSIER TEMPLATE
FOR SCRUTINY, CHEMICAL VERIFICATION & REGISTRATION

UNDER SECTION 9(3)

(Chemistry Division)

(Technical Import/ Technical Import (New Source))

COVER PAGE

DATA ON TECHNICAL

Particulars	Details
Category of Application	☐ 9(3) TI ☐ 9(3) TI (New source)
Name of Product	[Insert Product Name]
Common Name	[Insert]
Chemical Name (IUPAC)	[Insert]
CAS Number	[Insert]
Applicant Company	[Insert]
Date of Submission	[DD/MM/YYYY]

#Note:- In case of 9(3) TI (New source) application, the data shall be submitted as per extant RC guideline.

SECTION 1. GENERAL INFORMATION

Parameter	Details
Name of Applicant	[Insert]
Address of Applicant	[Insert]
Status of Insecticide in Schedule	[Insert]
Applicable BIS Specifications	[Insert BIS Number if available]
Type of Product	[Insert]
Details of source of supply of Technical with geo tagging details	[Insert]
Manufacturing/factory address of the manufacturer with geo tagging details	[Insert]
Office address of the manufacturer with geo tagging details	[Insert]
Manufacturing license details	[Insert]
Registration Certificate No. from Designated National Authority and validity	[Insert]
In case the supplies are made through a supplier, Mention supplier Name	[Insert]

Address of the supplier with geo tagging details, if proposed	[Insert]
Consent letter details from Manufacturer/source and supplier if any	[Insert]
RTT permit Details	[Insert]

In case of TI (New source), the following documents is required

Documents such as registration certificate/ certificate of DNA giving details CC, Manufacturing license or any other approval under any Govt. regulation will be acceptable to support that manufacturer is actual producer.

- For proof of chemical Composition (Where Chemical Composition is not published on the certificate of registration) the documents may be accepted: Such as apostille/notarized copy of application form containing Chemical Composition submitted to the regulatory authority in the exporting country with a undertaking by the source that their source can be cancelled without any notice, if their Chemical Composition is found different from the registered one at the time of registration.

SECTION 2.

CHEMICAL IDENTITY OF ACTIVE INGREDIENT

2.1 Identity Details

[Insert more row or column, if required](#)

Parameter	Details
ISO Common Name	[Insert]
Chemical Name (IUPAC)	[Insert]
CAS Name	[Insert]
CAS Number	[Insert]
Molecular Formula	[Insert]
Molecular Weight	[Insert]
Structural Formula	[Insert Structure]
Physical Appearance	[Insert]
Odour	[Insert]
Other parameters (If any)	[Insert]

SECTION 3.

CHEMICAL COMPOSITION

3.1 Composition of Technical Product

[Insert more row or column, if required](#)

S. No.	Name	Content [Insert % or w/w or v/v or w/v]
1.	[Insert name]	[insert xyz]
2.	[Insert name]	[insert abc]
3.	[Insert name]	[insert jkl]
4.	[Insert name]	[insert rst]
5.	[Insert name]	[insert def]
6.	Total	100.00 as per unit

SECTION 4.

IMPURITY PROFILE

4.1 Details of Impurities:

All identifiable impurities & unidentifiable impurities with details.

[Insert more row or column, if required](#)

Impurity Name	Chemical Name	CAS No.	Structural Formula	Molecular weight	Origin	Maximum Limit	Method of Analysis
[Insert]	[Insert]	[Insert]	[Insert]		[Insert]	[Insert]	[Insert]

SECTION 5. RAW MATERIAL DETAILS

5.1 Raw Material Specifications

[Insert more row or column, if required](#)

S. No.	Name of Raw Material	IUPAC Name	CAS No.	Purity (%)	Molecular Formula	Molecular Weight	Source of Supply	BIS/Analytical Specification
1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

[Attach supporting documents such as COA, SDS/MSDS, and technical specification sheets wherever applicable.](#)

SECTION 6.

MANUFACTURING PROCESS

6.1 Manufacturing Chemistry

Provide detailed manufacturing process including:

6.2 Stepwise Manufacturing Process

Insert more row or column, if required

Step	Name of the raw material/reactants used with their respective purity	Weight of the Raw material (gm)	Reaction conditions (Temperature)	Approximate Time required (Hrs.)	Intermediate/substance/Product name	Chemical formula of Intermediate/substance/Product name	Chemical Name of the Impurities formed during the reaction	Yield (gm)
Step-I	[Insert name with purity]	[Insert value]			[Insert name]		[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	
Step-II	[Insert name with purity]	[Insert value]			[Insert name]		[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	
Final step	[Insert name with purity]	[Insert value]			[Insert name] [Insert name]	[Insert name] [Insert name]	[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	

6.3 Chemical Reaction Scheme

Provide:

6.4 Effluent Treatment Details

Parameter	Details
Type of Effluent	[Insert]
Treatment Method	[Insert]
Neutralization Method	[Insert]
Solvent Recovery System	[Insert]
Disposal Method	[Insert]

[Insert more row or column, if required](#)

SECTION 7. FIVE BATCH ANALYSIS DATA

Five representative commercial-scale batches shall be analysed.

Notes. (i) Insert data in the same order as the table of names, codes and structures. (ii) Insert additional rows as required, insert additional columns for additional batch data. (iii) Do not insert “not detected”, insert < LOD¹.]

Code or name	Batch 1 [insert date] g/kg or w/w or w/v or g/L	Batch 2 [insert date] g/kg or w/w or w/v or g/L	Batch 3 [insert date] g/kg or w/w or w/v or g/L	Batch 4 [insert date] g/kg or w/w or w/v or g/L	Batch 5 [insert date] g/kg or w/w or w/v or g/L	Mean g/kg or w/w or w/v or g/L
[insert name AI]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]
[insert name impurity]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]
[insert name impurity]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]
[Insert name “unknowns”, if appropriate]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]
Total, g/kg or w/w or w/v or g/L	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	-

¹ If an impurity is analysed but not detected (< LOD), the value of the LOD (limit of detection) has to be provided.

SECTION 8.

PHYSICO-CHEMICAL PROPERTIES

8.1 Technical Grade Active Ingredient

Parameter	Specification	Method
Appearance	[Insert]	BIS/CIPAC no. [Insert]
Melting Point	[Insert]	BIS no. [Insert]
Boiling Point	[Insert]	BIS no. [Insert]
Density	[Insert]	BIS no. [Insert]
Vapour Pressure	[Insert]	BIS no. [Insert]
Solubility in Water	[Insert]	BIS no. [Insert]
Solubility in Organic Solvents	[Insert]	BIS no. [Insert]
pH	[Insert]	BIS no. [Insert]
Flash Point	[Insert]	BIS no. [Insert]
Any other parameter (if any)	[Insert]	

[Insert more row or column, if required](#)

SECTION 9.

PRODUCT SPECIFICATION (In BIS FORMAT)

Technical Specification

Parameter	BIS Requirement	Observation	Method	Result
Active Ingredient	[Insert]	[Insert]	[Insert]	[Insert]
Moisture	[Insert]	[Insert]	[Insert]	[Insert]
Acidity/Alkalinity	[Insert]	[Insert]	[Insert]	[Insert]
Melting point range	[Insert]	[Insert]	[Insert]	[Insert]
Acetone/other organic solvent/water insoluble	[Insert]	[Insert]	[Insert]	[Insert]
Any other parameter (if any)	[Insert]	[Insert]	[Insert]	[Insert]

[Insert more row or column, if required](#)

SECTION 10. METHOD OF ANALYSIS

10.1 Active Ingredient Analysis

Type of Method of Analysis-Instrumental or Conventional.

If Instrumental, then provide details of Chromatographic Parameters-

HPLC Conditions

Parameter	Details
Column	[Insert]
Mobile Phase	[Insert]
Flow Rate	[Insert]
Injection Volume	[Insert]
Detector	[Insert]
Detection Wavelength	[Insert]
Run Time	[Insert]
Retention Time	[Insert]
Any other parameter (if applicable)	[Insert]

[Insert more row or column, if required](#)

Or GLC Conditions

Parameter	Details
Column Type	[Insert]
Carrier Gas	[Insert]
Detector	[Insert]
Injector Temperature	[Insert]
Detector Temperature	[Insert]
Any other parameter (if applicable)	[Insert]

[Insert more row or column, if required](#)

Insert any other method with details (If applicable)

SECTION 11.

Analytical Test Report and Identification & Quantification of Identifiable Impurities:

The study has been carried out by M/s _____
(Name of Laboratory/Institute) under the following details:

Particulars	Details
Product Name	
Active Ingredient(s)	
Batch Number(s)	
Manufacturing Date	
Date of expiry	
Proposed Shelf Life	

Study Details

Particulars	Details
Study Title	
Study Number	

Study Initiation Date	
Study Completion Date	
NABL Accreditation No.	
GLP Certification No., (if applicable)	
Whether NABL/GLP Accredited During the Period of Study	Yes / No
Validity of Accreditation During Study Period	

Replicates	Weight of R/Std in mg	Weight of sample in mg	Area of the Active in R/Std. solution	Area of the Active in sample solution	% purity of the Ref. standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
A1B1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
A2B2	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	

The complete ATR with all supporting instrumental analytical data including chromatograms, IR, UV, and NMR spectra etc.

Insert more row or column, if required

SECTION 12.

SHELF-LIFE & STORAGE STABILITY

12.1 Shelf-life Claim

[Insert shelf-life]-

[Regular/provisional]-

The study has been carried out by M/s _____
(Name of Laboratory/Institution) under the following conditions and details:

Product Details

Particulars	Details
Product Name	
Active Ingredient(s)	
Concentration(result)	
Batch Number(s)	
Manufacturing Date	
Packaging Type	

Proposed Shelf Life	
Others	

Study Details

Particulars	Details
Study Title	Shelf-Life / Stability Study
Study No.	
Study Start Date	
Study Completion Date	
Laboratory Name & Address	
NABL Accreditation Status	Yes / No
NABL/GLP Accredited During Study Period	Yes / No
Accreditation Validity Period	
Others	

Storage Conditions

A. Real-Time Stability Conditions

Parameter	Condition
Duration	[Insert]
Sampling Intervals	[Insert]
Three different Agro-Climatic Zones	[Insert]
Meteorological Data Authentic Meteorological data for corresponding study period from the three study locations.	

B. Accelerated Stability Conditions

Parameter	Condition
Temperature	[Insert]
Relative Humidity	[Insert]
Duration	[Insert]
Sampling Intervals	[Insert]

12.2 Storage Stability Data Observations-

Parameter	Initial	Final	Acceptance Criteria
Active Content	[Insert]	[Insert]	[Insert]
pH	[Insert]	[Insert]	[Insert]
Moisture	[Insert]	[Insert]	[Insert]
Melting point range	[Insert]	[Insert]	[Insert]
Acetone/other organic solvent/water insoluble	[Insert]	[Insert]	[Insert]
Physical Stability	[Insert]	[Insert]	[Insert]
Other parameters (as per submitted Product specification/ BIS)	[Insert]	[Insert]	[Insert]

[Insert more row or column, if required](#)

12.3 Storage Stability Study Details

Duration	Locations	Weight of R/Std in mg	Weight of sample in mg	Area of the active in R/Std solution	Area of the active in sample solution	% purity of the standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
[insert zero month]	Location-I	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
	Location-II	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
	Location-III	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[insert month wise details]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

In case of Accelerated Storage Stability data submitted: -

Day	Temperature	Relative Humidity (RH)
01	[Insert]	[Insert]
[Insert] days	[Insert]	[Insert]

Insert more row or column, if required

Duration	Weight of R/Std in mg	Weight of sample in mg	Area of the active in R/Std solution	Area of the active in sample solution	% purity of the R/standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
[at day 01]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[at the day of study completion]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

Insert more row or column, if required

COMPREHENSIVE TECHNICAL DOSSIER TEMPLATE
FOR SCRUTINY, CHEMICAL VERIFICATION & REGISTRATION

UNDER SECTION 9(3)

(Chemistry Division)

(Formulation Import)

COVER PAGE

DATA ON FORMULATION

Particulars	Details
Category of Application	☐ 9(3) FI
Name of Product	[Insert Product Name]
Common Name	[Insert]
Chemical Name (IUPAC)	[Insert]
CAS Number	[Insert]
Formulation Type	[Insert BIS/CIPAC code]
Applicant Company	[Insert]
Manufacturing Site	[Insert]
Date of Submission	[DD/MM/YYYY]

\$ In case of 9(3B) FI application, the data shall be submitted as per extant RC guideline.

SECTION 1. GENERAL INFORMATION

Parameter	Details
Name of Applicant	[Insert]
Address of Applicant	[Insert]
Status of Insecticide in Schedule	[Insert]
Applicable BIS Specifications	[Insert BIS Number if available]
Applicable RC Guidelines	[Insert]
Type of Product	[Insert]
Details of source of supply of Technical	[Insert]
Registration Certificate No. (If technical is registered)	[Insert]
Registration Certificate No. from Designated National Authority and validity	[Insert]
In case the supplies are made through a supplier, Mention supplier Name	[Insert]
Consent letter details from Manufacturer/source and supplier if any	[Insert]

RTT permit Details	[Insert]

* Duly signed copy of Certificate of registration/notarised consent letter from the Source of supply of Technical shall be attached.

SECTION 2. CHEMICAL IDENTITY OF ACTIVE INGREDIENT

2.1 Identity Details

Parameter	Details
ISO Common Name	[Insert]
Chemical Name (IUPAC)	[Insert]
CAS Name	[Insert]
CAS Number	[Insert]
Molecular Formula	[Insert]
Molecular Weight	[Insert]
Structural Formula	[Insert Structure]
Chemical Class	[Insert]
Physical Appearance	[Insert]
Odour	[Insert]

SECTION 3. CHEMICAL COMPOSITION

3.1 Composition of Formulation (Applicable for FI)

S.No.	Ingredient	Function	Concentration (% w/w or w/v or g/L)
1	Active Ingredient	[Insert]	[Insert]
2	Solvent	[Insert]	[Insert]
3	Emulsifier	[Insert]	[Insert]
4	Stabilizer	[Insert]	[Insert]
5	Adjuvant	[Insert]	[Insert]
6	Others	[Insert]	[Insert]
	Total		[Insert]
Density (If applicable) :			

[Insert more row or column, if required](#)

Note: Adjuvants shall be disclosed by complete chemical identity and not by trade code

SECTION 4. RAW MATERIAL DETAILS

4.1 Raw Material Specifications

[Insert more row or column, if required](#)

S. No.	Name of Raw Material	IUPAC Name	CAS No.	Purity (%)	Molecular Formula	Molecular Weight	Source of Supply	BIS/Analytical Specification
1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

SECTION 5. MANUFACTURING PROCESS

5.1 Manufacturing Chemistry

Provide detailed manufacturing process including:

5.2 Stepwise Manufacturing Process

[Insert more row or column, if required](#)

Step	Name of the raw material/reactants used with their respective purity	Weight of the Raw material (gm)	Equipment used	Reaction conditions (Temperature)	Approximate Time required (Hrs.)	Intermediate/substance/Product name	Chemical formula of Intermediate/substance/Product name	Yield (gm)
Step-I	[Insert name with purity]	[Insert value]	[Insert]			[Insert name]		
	[Insert name with purity]	[Insert value]	[Insert]					
	[Insert name with purity]	[Insert value]	[Insert]					
Step-II	[Insert name with purity]	[Insert value]	[Insert]			[Insert name]		
	[Insert name with purity]	[Insert value]	[Insert]					
	[Insert name with purity]	[Insert value]	[Insert]					
Final step	[Insert name with purity]	[Insert value]	[Insert]			[Insert name] [Insert name]	[Insert name] [Insert name]	
	[Insert name with purity]	[Insert value]	[Insert]					

		value]						

5.3 Chemical Reaction Scheme

5.4 Effluent Treatment Details

Parameter	Details
Type of Effluent	[Insert]
Treatment Method	[Insert]
Neutralization Method	[Insert]
Solvent Recovery System	[Insert]
Disposal Method	[Insert]

[Insert more row or column, if required](#)

SECTION 8. PHYSICO-CHEMICAL PROPERTIES OF PRODUCT ACTIVE INGREDIENT AND ITS ADJUVANTS

8.1 Physico-Chemical Properties of Active Ingredient: -

Parameter	Specification	Method
Appearance	[Insert]	BIS/CIPAC no. [Insert]
Melting Point	[Insert]	BIS no. [Insert]
Boiling Point	[Insert]	BIS no. [Insert]
Density	[Insert]	BIS no. [Insert]
Vapour Pressure	[Insert]	BIS no. [Insert]
Solubility in Water	[Insert]	BIS no. [Insert]
Solubility in Organic Solvents	[Insert]	BIS no. [Insert]
pH	[Insert]	BIS no. [Insert]
Flash Point	[Insert]	BIS no. [Insert]
Any other parameter (if applicable)	[Insert]	

[Insert more row/column/table, if required](#)

Adjuvants / Inert Ingredients

Physico-Chemical Properties of Each Adjuvant -

Name of Adjuvant: [Insert Name]

Name of Adjuvant 1 : [Insert Name]		
Parameter	Description	Method
Appearance	[Insert]	[Insert]
Colour	[Insert]	[Insert]
Odour	[Insert]	[Insert]
Density / Specific Gravity	[Insert]	[Insert]
Solubility	[Insert]	[Insert]

pH	[Insert]	[Insert]
CAS No.	[Insert]	[Insert]
Function in Formulation	[Insert]	[Insert]
Molecular Formula	[Insert]	[Insert]
Chemical Name / IUPAC Name	[Insert]	[Insert]
Molecular Weight	[Insert]	[Insert]
Purity (%)	[Insert]	[Insert]
Any Other required Parameter (if any)	[Insert]	[Insert]

- ☐ Add additional rows as required for all adjuvants present in the formulation.
- ☐ Attach supporting documents such as COA, SDS/MSDS, and technical specification sheets wherever applicable.

SECTION 9. PRODUCT SPECIFICATION (In BIS FORMAT)

Formulation Specification

Parameter	BIS Requirement	Method
Active Ingredient	[Insert]	[Insert]
Moisture	[Insert]	[Insert]
pH	[Insert]	[Insert]
Persistent foam	[Insert]	[Insert]
Wet sieve	[Insert]	[Insert]
Any other required parameter (if any)	[Insert]	[Insert]

SECTION 10. Method of Analysis

10.1 Active Ingredient Analysis-

Type of Method of Analysis-Instrumental or Conventional.

If Instrumental, then provide details of Chromatographic Parameters-

HPLC Conditions-

Parameter	Details
Column	[Insert]
Mobile Phase	[Insert]
Flow Rate	[Insert]
Injection Volume	[Insert]
Detector	[Insert]
Detection Wavelength	[Insert]
Run Time	[Insert]
Retention Time	[Insert]
Any other parameter (if applicable)	[Insert]

Or GLC Conditions-

Parameter	Details
Column Type	[Insert]
Carrier Gas	[Insert]
Detector	[Insert]
Injector Temperature	[Insert]
Detector Temperature	[Insert]
Any other parameter (if applicable)	[Insert]

[Insert more row or column, if required](#)

Insert any other method with details (If applicable)

SECTION 11. ANALYTICAL TEST REPORT

The study has been carried out by M/s _____
(Name of Laboratory/Institute) under the following details:

Particulars	Details
Product Name	
Active Ingredient(s)	
Batch Number(s)	
Manufacturing Date	
Date of expiry	

Study Details

Particulars	Details
Study Title	
Study Number	
Study Initiation Date	
Study Completion Date	
NABL Accreditation No.	
GLP Certification No., (if applicable)	
Whether NABL/GLP Accredited During the Period of Study	Yes / No
Validity of Accreditation During Study Period	

Replicates	Weight of std in mg	Weight of sample in mg	Area of the active in std solution	Area of the active in sample solution	% purity of the standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
A1B1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

A2B2	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	

Parameter	BIS Requirement	Method	Result/ Observations in ATR
Active Ingredient	[Insert]	[Insert]	[Insert]
Moisture	[Insert]	[Insert]	[Insert]
pH	[Insert]	[Insert]	[Insert]
Persistent foam	[Insert]	[Insert]	[Insert]
Wet sieve	[Insert]	[Insert]	[Insert]
Any other parameter (if applicable)	[Insert]	[Insert]	[Insert]

SECTION 12. SHELF-LIFE & STORAGE STABILITY

12.1 Shelf-life Claim

[Insert shelf-life]

The study has been carried out by M/s _____
(**Name of Laboratory/Institution**) under the following conditions and details:

Product Details

Particulars	Details
Product Name	
Active Ingredient(s)	
Concentration (Results)	
Batch Number(s)	
Manufacturing Date	
Packaging Type	
Proposed Shelf Life	
Others	

Study Details

Particulars	Details
Study Title	Shelf-Life / Stability Study
Study No.	
Study Start Date	
Study Completion Date	
Laboratory Name & Address	
NABL Accreditation Status	Yes / No
NABL/GLP Accredited During Study Period	Yes / No
Accreditation Validity Period	
Others	

Storage Conditions

A. Real-Time Stability Conditions

Parameter	Condition
Duration	[Insert]
Sampling Intervals	[Insert]
Three different Agro-Climatic Zones	[Insert]
Meteorological Data Authentic Meteorological data for corresponding study period from the three study locations.	

B. Accelerated Stability Conditions

Parameter	Condition
Temperature	[Insert]
Relative Humidity	[Insert]
Duration	[Insert]
Sampling Intervals	[Insert]

12.2 Storage Stability Data

Parameter	Initial	Final	Acceptance Criteria
Active Content	[Insert]	[Insert]	[Insert]
pH	[Insert]	[Insert]	[Insert]
Moisture	[Insert]	[Insert]	[Insert]
Physical Stability	[Insert]	[Insert]	[Insert]
Other parameters (as per submitted Product specification/ BIS)	[Insert]	[Insert]	[Insert]

#(Insert columns for more parameters)

12.3 Storage Stability Study Details

Duration	Locations	Weight of std in mg	Weight of sample in mg	Area of the active in std solution	Area of the active in sample solution	% purity of the standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
[insert zero month]	Location-I	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

	Location-II	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
	Location-III	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[insert month]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

In case of Accelerated Storage Stability data submitted:-

Day	Temperature	Relative Humidity (RH)
01	[Insert]	[Insert]
[Insert] days	[Insert]	[Insert]

Duration	Weight of std in mg	Weight of sample in mg	Area of the active in std solution	Area of the active in sample solution	% purity of the standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
[at day 01]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[at the day of study completion]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	

COMPREHENSIVE TECHNICAL DOSSIER TEMPLATE
FOR SCRUTINY, CHEMICAL VERIFICATION & REGISTRATION

UNDER SECTION 9(3)

(Chemistry Division)

(Technical Indigenous Manufacture)

DATA ON TECHNICAL

Particulars	Details
Category of Application	☐ 9(3) TIM ☐ 9(3b) TIM# ☐ 9(3) TIM vs TI ☐ 9(3) TIM vs FI ☐ 9(3) TIM vs FIM
Name of Product	[Insert Product Name]
Common Name	[Insert]
Chemical Name (IUPAC)	[Insert]
CAS Number	[Insert]
Applicant Company	[Insert]
Date of Submission	[DD/MM/YYYY]

#Note:- In case of 9(3B) TIM application, the data shall be submitted as per extant RC guideline.

SECTION 1. GENERAL INFORMATION

Parameter	Details
Name of Applicant	[Insert]
Address of Applicant	[Insert]
Address of Manufacturing Site	[Insert]
Status of Insecticide in Schedule	[Insert]
Applicable BIS Specifications	[Insert BIS Number if available]
Applicable RC Guidelines	[Insert]
Type of Product	[Insert]
Establishment of chemical equivalence with the earlier registrant with the reference of Registration committee meeting, in case of ☐ 9(3) TIM vs TI ☐ 9(3) TIM vs FI ☐ 9(3) TIM vs FIM	[Insert earlier 9(3) registrant name] [Insert reference of RC meeting]

SECTION 2. CHEMICAL IDENTITY OF ACTIVE INGREDIENT

2.1 Identity Details

[Insert more row or column, if required](#)

Parameter	Details
ISO Common Name	[Insert]
Chemical Name (IUPAC)	[Insert]
CAS Name	[Insert]
CAS Number	[Insert]
Molecular Formula	[Insert]
Molecular Weight	[Insert]
Structural Formula	[Insert Structure]
Chemical Class	[Insert]
Physical Appearance	[Insert]
Odour	[Insert]
Other parameters (If applicable)	

SECTION 3. CHEMICAL COMPOSITION

3.1 Composition of Technical Product

[Insert more row or column, if required](#)

S. No.	Component Name	Content [Insert % or w/w or v/v or w/v or g/L]
7.	[Insert name]	[insert xyz]
8.	[Insert name]	[insert abc]
9.	[Insert name]	[insert jkl]
10.	[Insert name]	[insert rst]
11.	[Insert name]	[insert def]
12.	Total	100.00 or (1000.00, if g/L)
Density (If applicable) :		

SECTION 4. IMPURITY PROFILE (Particularly for TIM)

4.1 Details of Impurities:

All impurities ≥ 1 g/kg and toxicologically relevant impurities below 1 g/kg shall be identified.

[Insert more row or column, if required](#)

Impurity Name	Chemical Name	CAS No.	Structural Formula	Molecular weight	Origin	Maximum Limit	Method of Analysis

[Insert]	[Insert]	[Insert]	[Insert]		[Insert]	[Insert]	[Insert]

SECTION 5. RAW MATERIAL DETAILS

5.1 Raw Material Specifications

[Insert more row or column, if required](#)

S.No.	Name of Raw Material	IUPAC Name	CAS No.	Purity (%)	Molecular Formula	Molecular Weight	Source of Supply	BIS/Analytical Specification
1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

[Attach supporting documents such as COA, SDS/MSDS, and technical specification sheets wherever applicable.](#)

SECTION 6. MANUFACTURING PROCESS

6.1 Manufacturing Chemistry

Provide detailed manufacturing process including:

- Reaction chemistry
- Stoichiometry
- Intermediate formation
- Purification steps
- Recovery process
- Solvent recovery
- Yield optimization
- Process controls

6.2 Stepwise Manufacturing Process

[Insert more row or column, if required](#)

Step	Name of the raw material/reagents used with their respective purity	Weight of the Raw material (gm)	Reaction conditions (Temperature)	Approximate Time required (Hrs.)	Intermediate/substance/Product name	Chemical formula of Intermediate/substance/Product name	Chemical Name of the Impurities formed during the reaction	Yield (gm)
Step-I	[Insert name with purity]	[Insert]			[Insert name]		[Insert name]	

		value]						
	[Insert name with purity]	[Insert value]					[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	
Step-II	[Insert name with purity]	[Insert value]			[Insert name]		[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	
Final step	[Insert name with purity]	[Insert value]			[Insert name] [Insert name]	[Insert name] [Insert name]	[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	

6.3 Chemical Reaction Scheme

Provide:

- Balanced chemical equations
- Structural reaction pathway
- Side reactions
- By-product formation
- Degradation pathway

Mandatory Attachments:

- ☐ Reaction mechanism
- ☐ Structural formulae
- ☐ Flow sheet diagram

6.4 Effluent Treatment Details

Parameter	Details
Type of Effluent	[Insert]
Treatment Method	[Insert]
Neutralization Method	[Insert]
Solvent Recovery System	[Insert]
Disposal Method	[Insert]

Insert more row or column, if required

SECTION 7. FIVE BATCH ANALYSIS DATA

Five representative commercial-scale batches shall be analyzed.

Notes. (i) Insert data in the same order as the table of names, codes and structures. (ii) Insert additional rows as required, insert additional columns for additional batch data. (iii) Do not insert “not detected”, insert $< LOD^2$.]

Code or name	Batch 1 [insert date] g/kg or w/w or w/v or g/L	Batch 2 [insert date] g/kg or w/w or w/v or g/L	Batch 3 [insert date] g/kg or w/w or w/v or g/L	Batch 4 [insert date] g/kg or w/w or w/v or g/L	Batch 5 [insert date] g/kg or w/w or w/v or g/L	Mean g/kg or w/w or w/v or g/L	Standard deviation g/kg) or w/w or w/v or g/L	Mean - 3 SD (for a.i.) Mean + 3 SD (for impurities)	Manufacturing QC limit (technical specification), g/kg or w/w or w/v or g/L
[insert name AI]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]
[insert name impurity]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]
[insert name impurity]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]
[Insert name “unknowns”, if appropriate]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]
Total, g/kg or w/w or w/v or g/L	[insert value]	[insert value]	[insert value]	[insert value]	[insert value]	-	-	-	-

¹ If an impurity is analysed but not detected ($< LOD$), the value of the LOD (limit of detection) has to be provided.

SECTION 8. PHYSICO-CHEMICAL PROPERTIES

8.1 Technical Grade Active Ingredient

Parameter	Specification	Method
Appearance	[Insert]	BIS/CIPAC no. [Insert]
Melting Point	[Insert]	BIS no. [Insert]
Boiling Point	[Insert]	BIS no. [Insert]
Density	[Insert]	BIS no. [Insert]

Vapour Pressure	[Insert]	BIS no. [Insert]
Solubility in Water	[Insert]	BIS no. [Insert]
Solubility in Organic Solvents	[Insert]	BIS no. [Insert]
pH	[Insert]	BIS no. [Insert]
Flash Point	[Insert]	BIS no. [Insert]
Any other parameter (if applicable)	[Insert]	

[Insert more row or column, if required](#)

SECTION 9. PRODUCT SPECIFICATION (BIS FORMAT)

Technical Specification

Parameter	BIS Requirement	Observation	Method	Result
Active Ingredient	[Insert]	[Insert]	[Insert]	[Insert]
Moisture	[Insert]	[Insert]	[Insert]	[Insert]
Acidity/Alkalinity	[Insert]	[Insert]	[Insert]	[Insert]
Any other parameter (if applicable)	[Insert]	[Insert]	[Insert]	[Insert]

[Insert more row or column, if required](#)

SECTION 10. METHOD OF ANALYSIS

10.1 Active Ingredient Analysis

HPLC Conditions

Parameter	Details
Column	[Insert]
Mobile Phase	[Insert]
Flow Rate	[Insert]
Injection Volume	[Insert]
Detector	[Insert]
Detection Wavelength	[Insert]
Run Time	[Insert]
Retention Time	[Insert]
Any other parameter (if applicable)	[Insert]

[Insert more row or column, if required](#)

GC Conditions

Parameter	Details
Column Type	[Insert]
Carrier Gas	[Insert]
Detector	[Insert]

Injector Temperature	[Insert]
Detector Temperature	[Insert]
Any other parameter (if applicable)	[Insert]

[Insert more row or column, if required](#)

Insert any other method (If applicable)

SECTION 11. Analytical Test Report and Identification & Quantification of Identifiable Impurities:

The study has been carried out by M/s _____
(Name of Laboratory/Institute) under the following details:

Particulars	Details
Product Name	
Active Ingredient(s)	
Batch Number(s)	
Manufacturing Date	
Date of expiry	
Proposed Shelf Life	

Study Details

Particulars	Details
Study Title	
Study Number	
Study Initiation Date	
Study Completion Date	
NABL Accreditation No.	
GLP Certification No., (if applicable)	
Whether NABL/GLP Accredited During the Period of Study	Yes / No
Validity of Accreditation During Study Period	

Replicates	Weight of std in mg	Weight of sample in mg	Area of the active in std solution	Area of the active in sample solution	% purity of the standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
A1B1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
A2B2	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

The complete ATR with all supporting instrumental analytical data including chromatograms, IR, UV, and NMR spectra forms an integral part of this report.

[Insert more row or column, if required](#)

SECTION 12. SHELF-LIFE & STORAGE STABILITY

12.1 Shelf-life Claim

[Insert shelf-life]-

[complete/provisional]-

The study has been carried out by M/s _____
(Name of Laboratory/Institution) under the following conditions and details:

Product Details

Particulars	Details
Product Name	
Active Ingredient(s)	
Concentration	
Batch Number(s)	
Manufacturing Date	
Packaging Type	
Proposed Shelf Life	
Others	

Study Details

Particulars	Details
Study Title	Shelf-Life / Stability Study
Study No.	
Study Start Date	
Study Completion Date	
Laboratory Name & Address	
NABL Accreditation Status	Yes / No
NABL/GLP Accredited During Study Period	Yes / No
Accreditation Validity Period	
Others	

Storage Conditions

A. Real-Time Stability Conditions

Parameter	Condition
Duration	[Insert]
Sampling Intervals	[Insert]
Three different Agro-Climatic Zones	[Insert]
Meteorological Data	
Duly signed Meteorological data of the study locations during the study period is required to attached for reference.	

B. Accelerated Stability Conditions

Parameter	Condition
Temperature	[Insert]
Relative Humidity	[Insert]
Duration	[Insert]
Sampling Intervals	[Insert]

12.2 Storage Stability Data

Parameter	Initial	Final	Acceptance Criteria
Active Content	[Insert]	[Insert]	[Insert]
pH	[Insert]	[Insert]	[Insert]
Moisture	[Insert]	[Insert]	[Insert]
Physical Stability	[Insert]	[Insert]	[Insert]
Other parameters (as per submitted Product specification/ BIS)	[Insert]	[Insert]	[Insert]

[Insert more row or column, if required](#)

12.3 Storage Stability Study Details

Duration	Locations	Weight of std in mg	Weight of sample in mg	Area of the active in std solution	Area of the active in sample solution	% purity of the standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
[insert zero month]	Location-I	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
	Location-II	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
	Location-III	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[insert month]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

In case of Accelerated Storage Stability data submitted:-

Day	Temperature	Relative Humidity (RH)
01	[Insert]	[Insert]
[Insert] days	[Insert]	[Insert]

Insert more row or column, if required

Duration	Weight of std in mg	Weight of sample in mg	Area of the active in std solution	Area of the active in sample solution	% purity of the standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
[at day 01]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[at the day of study completion]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

Insert more row or column, if required

SECTION 13. DECLARATION

We hereby declare that:

1. The information submitted is complete and authentic.
2. The manufacturing process disclosed represents actual commercial production.
3. All impurities known to the applicant have been disclosed.
4. The analytical methods are scientifically validated.
5. Studies were conducted in NABL/GLP compliant laboratories wherever applicable.

AUTHORIZED SIGNATORY

Parameter	Details
Name	[Insert]
Designation	[Insert]
Company	[Insert]
Signature	[Insert]
Date	[Insert]
Company Seal	[Insert]

COMPREHENSIVE TECHNICAL DOSSIER TEMPLATE
FOR SCRUTINY, CHEMICAL VERIFICATION & REGISTRATION

UNDER SECTION 9(3)

(Chemistry Division)

(Formulation Indigenous Manufacture)

DATA ON FORMULATION

Particulars	Details
Category of Application	☐ 9(3) FIM ☐ 9(3b) FIM \$
Name of Product	[Insert Product Name]
Common Name	[Insert]
Chemical Name (IUPAC)	[Insert]
CAS Number	[Insert]
Formulation Type	[Insert BIS/CIPAC code]
Applicant Company	[Insert]
Manufacturing Site	[Insert]
Date of Submission	[DD/MM/YYYY]

\$ In case of 9(3B) FIM application, the data shall be submitted as per extant RC guideline.

SECTION 1. GENERAL INFORMATION

Parameter	Details
Name of Applicant	[Insert]
Address of Applicant	[Insert]
Address of Manufacturing Site	[Insert]
Status of Insecticide in Schedule	[Insert]
Applicable BIS Specifications	[Insert BIS Number if available]
Applicable RC Guidelines	[Insert]
Type of Product	[Insert]
Details of Source of supply of Technical*	[Insert]

* Duly signed copy of Certificate of registration/notarised consent letter from the Source of supply of Technical shall be attached.

SECTION 2. CHEMICAL IDENTITY OF ACTIVE INGREDIENT

2.1 Identity Details

Parameter	Details
ISO Common Name	[Insert]
Chemical Name (IUPAC)	[Insert]

CAS Name	[Insert]
CAS Number	[Insert]
Molecular Formula	[Insert]
Molecular Weight	[Insert]
Structural Formula	[Insert Structure]
Chemical Class	[Insert]
Physical Appearance	[Insert]
Odour	[Insert]

SECTION 3. CHEMICAL COMPOSITION

3.1 Composition of Formulation (Applicable for FIM)

S.No.	Ingredient	Function	Concentration (% w/w or w/v or g/L)
1	Active Ingredient	[Insert]	[Insert]
2	Solvent	[Insert]	[Insert]
3	Emulsifier	[Insert]	[Insert]
4	Stabilizer	[Insert]	[Insert]
5	Adjuvant	[Insert]	[Insert]
6	Others	[Insert]	[Insert]
	Total		[Insert]
Density (If applicable) :			

[Insert more row or column, if required](#)

Note:Adjuvants shall be disclosed by complete chemical identity and not by trade code alone.

3.3 Establishment of chemical equivalence:

Particulars	Details
Name of the Registrant	[Insert]
Reference of Registraton Committee Meeting	[Insert]
Category	[Insert]
Other details (if applicable)	[Insert]

[Insert more row or column, if required](#)

SECTION 4. RAW MATERIAL DETAILS

4.1 Raw Material Specifications

[Insert more row or column, if required](#)

S.N o.	Name of Raw Material	IUPAC Name	CAS No.	Purity (%)	Molecular Formula	Molecular Weight	Source of Supply	BIS/Analytical Specification
1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

SECTION 5. MANUFACTURING PROCESS

5.1 Manufacturing Chemistry

Provide detailed manufacturing process including:

- Reaction chemistry
- Stoichiometry
- Intermediate formation
- Purification steps
- Recovery process
- Solvent recovery
- Yield optimization
- Process controls

5.2 Stepwise Manufacturing Process

[Insert more row or column, if required](#)

Step	Name of the raw material/reactants used with their respective purity	Weight of the Raw material (gm)	Equipment used	Reaction conditions (Temperature)	Approximate Time required (Hrs.)	Intermediate/substance/Product name	Chemical formula of Intermediate/substance/Product name	Yield (gm)
Step-I	[Insert name with purity]	[Insert value]	[Insert]			[Insert name]		
	[Insert name with purity]	[Insert value]	[Insert]					
	[Insert name with purity]	[Insert value]	[Insert]					
Step-II	[Insert name with purity]	[Insert value]	[Insert]			[Insert name]		
	[Insert name with purity]	[Insert value]	[Insert]					
	[Insert name with purity]	[Insert value]	[Insert]					

		value]						
Final step	[Insert name with purity]	[Insert value]	[Insert]			[Insert name] [Insert name]	[Insert name] [Insert name]	
	[Insert name with purity]	[Insert value]	[Insert]					

5.3 Chemical Reaction Scheme

Provide:

- Balanced chemical equations
- Structural reaction pathway
- Side reactions
- By-product formation
- Degradation pathway

Mandatory Attachments:

- ☐ Reaction mechanism
☐ Structural formulae
☐ Flow sheet diagram

5.4 Effluent Treatment Details

Parameter	Details
Type of Effluent	[Insert]
Treatment Method	[Insert]
Neutralization Method	[Insert]
Solvent Recovery System	[Insert]
Disposal Method	[Insert]

[Insert more row or column, if required](#)

SECTION 8. PHYSICO-CHEMICAL PROPERTIES OF PRODUCT ACTIVE INGREDIENT AND ITS ADJUVANTS

8.1 Physico-Chemical Properties of Active Ingredient:-

Parameter	Specification	Method
Appearance	[Insert]	BIS/CIPAC no. [Insert]
Melting Point	[Insert]	BIS no. [Insert]
Boiling Point	[Insert]	BIS no. [Insert]
Density	[Insert]	BIS no. [Insert]
Vapour Pressure	[Insert]	BIS no. [Insert]
Solubility in Water	[Insert]	BIS no. [Insert]

Solubility in Organic Solvents	[Insert]	BIS no. [Insert]
pH	[Insert]	BIS no. [Insert]
Flash Point	[Insert]	BIS no. [Insert]
Any other parameter (if applicable)	[Insert]	

[Insert more row/column/table, if required](#)

Adjuvants / Inert Ingredients

Physico-Chemical Properties of Each Adjuvant (if required separately)

Physico-Chemical Properties of Adjuvant – 1

Name of Adjuvant: [Insert Name]

Name of Adjuvant 1 : [Insert Name]		
Parameter	Description	Method
Appearance	[Insert]	[Insert]
Colour	[Insert]	[Insert]
Odour	[Insert]	[Insert]
Density / Specific Gravity	[Insert]	[Insert]
Solubility	[Insert]	[Insert]
pH	[Insert]	[Insert]
CAS No.	[Insert]	[Insert]
Function in Formulation	[Insert]	[Insert]
Molecular Formula	[Insert]	[Insert]
Chemical Name / IUPAC Name	[Insert]	[Insert]
Molecular Weight	[Insert]	[Insert]
Purity (%)	[Insert]	[Insert]
Any Other Parameter (if applicable)	[Insert]	[Insert]
Name of Adjuvant 2 : [Insert Name]		
Appearance	[Insert]	[Insert]
Colour	[Insert]	[Insert]
Odour	[Insert]	[Insert]
Density / Specific Gravity	[Insert]	[Insert]
Solubility	[Insert]	[Insert]
pH	[Insert]	[Insert]
Any Other Parameter (if applicable)	[Insert]	[Insert]

- ☐ Add additional rows as required for all adjuvants present in the formulation.
- ☐ Attach supporting documents such as COA, SDS/MSDS, and technical specification sheets wherever applicable.

SECTION 9. PRODUCT SPECIFICATION (BIS FORMAT)

Formulation Specification

Parameter	BIS Requirement	Method
Active Ingredient	[Insert]	[Insert]
Moisture	[Insert]	[Insert]
pH	[Insert]	[Insert]
Persistent foam	[Insert]	[Insert]
Wet sieve	[Insert]	[Insert]
Any other parameter (if applicable)	[Insert]	[Insert]

SECTION 10. Method of Analysis

10.1 Active Ingredient Analysis

HPLC Conditions

Parameter	Details
Column	[Insert]
Mobile Phase	[Insert]
Flow Rate	[Insert]
Injection Volume	[Insert]
Detector	[Insert]
Detection Wavelength	[Insert]
Run Time	[Insert]
Retention Time	[Insert]
Any other parameter (if applicable)	[Insert]

GC Conditions

Parameter	Details
Column Type	[Insert]
Carrier Gas	[Insert]
Detector	[Insert]
Injector Temperature	[Insert]
Detector Temperature	[Insert]
Any other parameter (if applicable)	[Insert]

SECTION 11. ANALYTICAL TEST REPORT

The study has been carried out by **M/s** _____
(Name of Laboratory/Institute) under the following details:

Particulars	Details
Product Name	

Active Ingredient(s)	
Batch Number(s)	
Manufacturing Date	
Date of expiry	

Study Details

Particulars	Details
Study Title	
Study Number	
Study Initiation Date	
Study Completion Date	
NABL Accreditation No.	
GLP Certification No., (if applicable)	
Whether NABL/GLP Accredited During the Period of Study	Yes / No
Validity of Accreditation During Study Period	

Replicates	Weight of std in mg	Weight of sample in mg	Area of the active in std solution	Area of the active in sample solution	% purity of the standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
A1B1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
A2B2	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

Parameter	BIS Requirement	Method	Result/ Observations in ATR
Active Ingredient	[Insert]	[Insert]	[Insert]
Moisture	[Insert]	[Insert]	[Insert]
pH	[Insert]	[Insert]	[Insert]
Persistent foam	[Insert]	[Insert]	[Insert]
Wet sieve	[Insert]	[Insert]	[Insert]
Any other parameter (if applicable)	[Insert]	[Insert]	[Insert]

SECTION 12. SHELF-LIFE & STORAGE STABILITY

12.1 Shelf-life Claim

[Insert shelf-life]

The study has been carried out by M/s _____
(Name of Laboratory/Institution) under the following conditions and details:

Product Details

Particulars	Details
Product Name	
Active Ingredient(s)	
Concentration	
Batch Number(s)	
Manufacturing Date	
Packaging Type	
Proposed Shelf Life	
Others	

Study Details

Particulars	Details
Study Title	Shelf-Life / Stability Study
Study No.	
Study Start Date	
Study Completion Date	
Laboratory Name & Address	
NABL Accreditation Status	Yes / No
NABL/GLP Accredited During Study Period	Yes / No
Accreditation Validity Period	
Others	

Storage Conditions

A. Real-Time Stability Conditions

Parameter	Condition
Duration	[Insert]
Sampling Intervals	[Insert]
Three different Agro-Climatic Zones	[Insert]
Meteorological Data	
Meteorological data of the study locations during the study period is required to attached for reference.	

B. Accelerated Stability Conditions

Parameter	Condition
Temperature	[Insert]
Relative Humidity	[Insert]
Duration	[Insert]
Sampling Intervals	[Insert]

12.2 Storage Stability Data

Parameter	Initial	Final	Acceptance Criteria
Active Content	[Insert]	[Insert]	[Insert]
pH	[Insert]	[Insert]	[Insert]
Moisture	[Insert]	[Insert]	[Insert]
Physical Stability	[Insert]	[Insert]	[Insert]
Other parameters (as per submitted Product specification/ BIS)	[Insert]	[Insert]	[Insert]

#(Insert columns for more parameters)

12.3 Storage Stability Study Details

Duration	Locations	Weight of std in mg	Weight of sample in mg	Area of the active in std solution	Area of the active in sample solution	% purity of the standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass
[insert zero month]	Location-I	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
	Location-II	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
	Location-III	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[insert month]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

In case of Accelerated Storage Stability data submitted:-

Day	Temperature	Relative Humidity (RH)
01	[Insert]	[Insert]
[Insert] days	[Insert]	[Insert]

Duration	Weight of std in mg	Weight of sample in mg	Area of the active in std solution	Area of the active in sample solution	% purity of the standard	Active content % by mass	Average content % by mass	Mean Avg. content % by mass

[at day 01]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[at the day of study completion]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

SECTION 13. DECLARATION

We hereby declare that:

6. The information submitted is complete and authentic.
7. The manufacturing process disclosed represents actual commercial production.
8. All adjuvants and raw material known to the applicant have been disclosed.
9. The analytical methods are scientifically validated.
10. Studies were conducted in NABL/GLP compliant laboratories wherever applicable.

AUTHORIZED SIGNATORY

Parameter	Details
Name	[Insert]
Designation	[Insert]
Company	[Insert]
Signature	[Insert]
Date	[Insert]
Company Seal	[Insert]

COMPREHENSIVE TECHNICAL DOSSIER TEMPLATE
FOR SCRUTINY, CHEMICAL VERIFICATION & REGISTRATION

UNDER SECTION 9(4) TIM

(Chemistry Division)

(Technical Indigenous Manufacture)

COVER PAGE

DATA ON TECHNICAL

GENERAL INFORMATION

Detail of applicant:

Parameter	Details
Category of Application	9(4) TIM
Name & Address of the Applicant	[Insert]
Address of Manufacturing Site / R&D centre	[Insert]
Location of in-process sample drawl for PRV purpose	[Insert]

Detail of product:

Particulars	Details
Name of Product with purity	[Insert Product Name]
Type of Product	[Insert]
Date of Submission	[DD/MM/YYYY]
Establishment of Chemical equivalence	[Insert]

SECTION 1. CHEMICAL COMPOSITION

1.1 Chemical Composition of Technical, as per claimed 9(3) registrants

S. No.	Component Name	Content in w/w %
13.	[Name of A.I]	[insert in w/w %]
	Details of Associated Impurities	
14.	[Insert name of Impurity-1]	[insert in w/w %]
15.	[Insert name of Impurity -2]	[insert in w/w %]

16.	[Insert name of Impurity -3]	[insert in w/w %]
17.	[Insert name of Impurity-4]	[insert in w/w %]
18.	Total	100.00 % w/w

Insert more rows or column, if required

1.2 Details of Impurities

Impurity Name	Chemical Name	CAS No.	Structural Formula	Molecular weight	Maximum acceptable Limit in % w/w	Method of Analysis
[Insert name of Impurity-1]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[Insert name of Impurity-2]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[Insert name of Impurity-3]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

Insert more rows or column, if required

SECTION 2. CHEMICAL IDENTITY OF ACTIVE INGREDIENT

2.1 Identity Details

Parameter	Details
Common Name	[Insert]
Chemical Name (IUPAC)	[Insert]
CAS Name	[Insert]
CAS Number	[Insert]
Molecular Formula	[Insert]
Molecular Weight	[Insert]
Structural Formula	[Insert Structure]
Chemical Class	[Insert]
Physical Appearance	[Insert]
Other parameters (If applicable)	

Insert more rows or column, if required

SECTION 3. PHYSICO-CHEMICAL PROPERTIES

8.1 Technical Grade Active Ingredient

Parameter	Specification
Appearance	[Insert]
Melting Point	[Insert]
Boiling Point	[Insert]
Density	[Insert]
Vapour Pressure	[Insert]
Solubility in Water	[Insert]
Solubility in Organic Solvents	[Insert]
pH	[Insert]
Flash Point	[Insert]
Any other parameter (if applicable)	[Insert]

[Insert more row or column, if required](#)

SECTION 3. SPECIFICATION (As per BIS if BIS specification is not available)

Sr.No	Characteristics	Requirements	Observation	Test Method Reference
1	Physical appearance	[Insert]	[Insert]	[Insert]
2	a.i content	[Insert]	[Insert]	[Insert]
3	pH	[Insert]	[Insert]	[Insert]
4	Water	[Insert]	[Insert]	[Insert]
5	Melting point	[Insert]	[Insert]	[Insert]
6	Acidity (as H ₂ SO ₄) Percent by mass; max. OR Alkalinity (as NaOH) Percent by mass; max.	[Insert]	[Insert]	[Insert]
7	Material insoluble in acetone	[Insert]	[Insert]	[Insert]
8	Any other parameter (if applicable)	[Insert]	[Insert]	[Insert]

[Insert more row or column, if required](#)

SECTION 4. METHOD OF ANALYSIS

Active Ingredient Analysis / Impurity analysis (if different from a.i determination) / Solvent Determination

Outline Method:

Weight of Standard taken (g) –

Weight of Sample taken (g) –

Dilution of standard and sample:

HPLC Conditions

Parameter	Details
Column	[Insert]
Mobile Phase or Gradient Profile	[Insert]
Flow Rate	[Insert]
Injection Volume	[Insert]
Detector	[Insert]
Detection Wavelength	[Insert]
Run Time	[Insert]
Any other parameter (if applicable)	[Insert]

[Insert more rows or column, if required](#)

GC Conditions

Parameter	Details
Column Type	[Insert]
Carrier Gas	[Insert]
Detector	[Insert]
Injector Temperature	[Insert]
Detector Temperature	[Insert]
Column Programme / Temperature	[Insert]
Any other parameter (if applicable)	[Insert]

[Insert more rows or column, if required](#)

SECTION 5. ANALYTICAL TEST REPORT

5.1 The study has been carried out by M/s. _____
(Name of Laboratory/Institute) under the following details:

Particulars	Details
Product Name	[Insert]
Active Ingredient(s)	[Insert]
Batch Number(s)	[Insert]
Manufacturing Date	[Insert]
Date of expiry	[Insert]

5.2 Study Details

Particulars	Details
Study Title	[Insert]
Study Number	[Insert]

Study Initiation Date	[Insert]
Study Completion Date	[Insert]
Whether NABL/GLP Accredited During the Period of Study	Yes / No

5.3 For a.i content

Replicates	Weight of Standard	Weight of Sample	RT of Standard	RT of Internal Standard	Active content % by mass	Mean Avg. content % by mass
A1B1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
A2B2	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

Insert more rows or column, if required

5.4 For impurity:

Name of impurity and active ingredient	RT of standard	RT of impurity in Concentrated Sample	Acceptable Limit	Observed value
[Insert a.i name]	NA	[Insert RT of a.i]	NA	NA
[Insert Impurity -1]	[Insert RT of Impurity-1]	[Insert RT of Impurity-1]	[Insert]	[Insert]
[Insert Impurity -2]	[Insert RT of Impurity-2]	[Insert RT of Impurity-2]	[Insert]	[Insert]

Insert more rows or column, if required

5.5 Details of Molecular Identity Test reports:

☐ UV-Visible Spectrum.

☐ FT-IR Spectrum.

☐ NMR Spectrum.

☐ Mass Spectrum.

SECTION 6. SHELF-LIFE

Shelf-life Claimed - _____ Years.

SECTION 7; MANUFACTURING PROCESS:

7.1. Manufacturing Process

Step	Name of the raw material/reactants	Weight of the Raw material (gm/kg)	Reaction conditions (Temperature/pressure/solvent/catalyst etc.,)	Approximate Time required (Hrs.)	Intermediate/substance/Product name	Chemical formula of Intermediate/substance/Product name	Chemical Name of the Impurities formed during the reaction	Yield (gm/kg)
Step-I	[Insert name with purity]	[Insert value]			[Insert name]		[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	
Final step	[Insert name with purity]	[Insert value]			[Insert name] [Insert name]	[Insert name] [Insert name]	[Insert name]	
	[Insert name with purity]	[Insert value]					[Insert name]	

Insert more rows or column, if required

7.2. Step-wise Chemical Equation- Submitted / Not submitted.

7.3 Flow sheet diagram as per manufacturing process- Submitted / Not submitted.

SECTION 8. RAW MATERIAL DETAILS

8.1 Raw Material Specifications

S.No	Name of Raw Material	IUPAC Name	CAS No.	Purity (%)	Molecular Formula	Molecular Weight
1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]

Insert more rows or column, if required.

Attach supporting documents such as COA, SDS/MSDS, and technical specification sheets wherever applicable.

8.2 Raw Material Source of Supply

S.No	Name of Raw Material	Source of Supply	Details of purchase of raw material
1	[Insert]	[Insert]	[Insert]

Insert more rows or column, if required.

SECTION 9; Effluent Treatment Details

Parameter	Details
Type of Effluent	[Insert]
Treatment Method	[Insert]
Neutralization Method	[Insert]
Solvent Recovery System	[Insert]
Disposal Method	[Insert]

Insert more row or column, if required

SECTION 10. DECLARATION

We hereby declare that:

11. The information submitted is complete and authentic.
12. The manufacturing process disclosed represents actual commercial production.
13. All impurities known to the applicant have been disclosed.
14. The analytical methods are scientifically validated.
15. Studies were conducted in NABL/GLP compliant laboratories wherever applicable.

AUTHORIZED SIGNATORY

Parameter	Details
Name	[Insert]
Designation	[Insert]
Company	[Insert]
Signature	[Insert]
Date	[Insert]
Company Seal	[Insert]

TEMPLATES 9(3) BIO-PESTICIDES OF ALREADY REGISTERED STRAIN & REGISTERED FORMULATION

COMPREHENSIVE DOSSIER TEMPLATE FOR SCRUTINY & REGISTRATION

UNDER SECTION 9(3)

(Chemistry Division)

COVER PAGE

DATA ON Bio-pesticides

Particulars	Details
Category of Application	☐ 9(3) B/F (Already registered strain)
Name of Product	[Insert Product Name]
Strain and accession no.	[Insert]
Common Name	[Insert]
Systemic name(genus and species)	[Insert]
Applicant Company	[Insert]

SECTION 1. GENERAL INFORMATION

Parameter	Details
Status of Insecticide in Schedule	[Insert]
Type of Product such as WP/AS/LF	[Insert]
Consent letter details from Manufacturer/ original inventor /source or Self declaration as applicable	[Insert]
Authorization letter from the source from inventor of strain or undertaking by the applicant about the name of inventor/source of strain as per annexure	
Source of Origin	[Insert]
Details of sample submission in NBAIM (Fee receipt of sample submission for DNA finger printing at NBAIM, Mau	
Receipt of sample submission for PRV at CIL	
Any other item	

SECTION2.

CHEMICAL COMPOSITION

3.1 Composition of Product

Insert more row or column, if required

S. No.	Name	Content [Insert % or w/w or v/v or w/v]
1.	[Insert name]	[insert xyz]
2.	[Insert name]	[insert abc]
3.	[Insert name]	[insert jkl]
4.	[Insert name]	[insert rst]
5.	[Insert name]	[insert def]
6.	Total	100.00 as per unit

TEMPLATES 9(3) BIO-PESTICIDES OF NEW STRAIN

COMPREHENSIVE DOSSIER TEMPLATE

FOR SCRUTINY & REGISTRATION

UNDER SECTION 9(3b) /9(3)

(Chemistry Division)

COVER PAGE

DATA ON Bio-pesticides

Particulars	Details
Category of Application	☐ 9(3b) B/F (New strain) ☐ 9(3) B/F (New strain)
Name of Product	[Insert Product Name]
Strain and accession no.	[Insert]
Common Name	[Insert]
Systemic name (genus and species)	[Insert]
Applicant Company	[Insert]

SECTION 1. GENERAL INFORMATION

Parameter	Details
Address of Applicant	[Insert]
Status of Insecticide in Schedule	[Insert]
Type of Product such as WP/AS/LF etc	[Insert]
Consent letter details from Manufacturer/ original inventor /source and if any	[Insert]
Source of Origin	[Insert]
Fee receipt of sample submission for DNA finger printing at NBAIM, Mau	
Receipt of sample submission for PRV at CIL	
Any other	

SECTION 2.

CHEMICAL IDENTITY OF BIO PESTICIDES

2.1 Identity Details

[Insert more row or column, if required](#)

Parameter	Details

Common Name	[Insert]
Formulation Type	[Insert]
Physical Appearance	[Insert]
Odour	[Insert]
Other parameters (If any)	[Insert]

SECTION 3.

CHEMICAL COMPOSITION

3.1 Composition of Product

Insert more row or column, if required

S. No.	Name	Content [Insert % or w/w or v/v or w/v]
1.	[Insert name]	[insert xyz]
2.	[Insert name]	[insert abc]
3.	[Insert name]	[insert jkl]
4.	[Insert name]	[insert rst]
5.	[Insert name]	[insert def]
6.	Total	100.00 as per unit

SECTION 4. PHYSICO-CHEMICAL PROPERTIES

Parameter	Specification	Method
Physical and Morphological Appearance and habitat	[Insert]	[Insert]
pH	[Insert]	BIS no. [Insert]
Particle size	Insert]	
Moisture	Insert]	
Any other parameter (if any)	[Insert]	

Insert more row or column, if required

SECTION 4.A. SCIENTIFIC INFORMATION ON RAW MATERIAL

Parameter	Details
ISO Common Name	[Insert]
Chemical Name (IUPAC)	[Insert]
CAS Name	[Insert]
CAS Number	[Insert]
Molecular Formula	[Insert]
Molecular Weight	[Insert]

Structural Formula	[Insert Structure]
Physical Appearance	[Insert]
Odour	[Insert]

SECTION 5. PRODUCT SPECIFICATION

Parameter	Requirement	Method
CFU Count/Active Ingredient	[Insert]	[Insert]
Moisture	[Insert]	[Insert]
Ph	[Insert]	[Insert]
Pathogenic contaminants (such as gram-negative bacteria, salmonella, shigella, vibrio, etc)	[Insert]	[Insert]
Other contaminants (chemical and botanical contaminants)	[Insert]	[Insert]
Potency if required	[Insert]	[Insert]
Any other parameter (if any)	[Insert]	[Insert]

[Insert more row or column, if required](#)

SECTION 6. RAW MATERIAL DETAILS

6.1 Raw Material

[Insert more row or column, if required](#)

S. No.	Name of Raw Material
1	[Insert]
2.	
3.	
	Any other (if any)

SECTION 7. MANUFACTURING PROCESS/Isolation of strain

7.1 Manufacturing Chemistry

Provide detailed manufacturing process/isolation of strain:

7.2 Stepwise Manufacturing Process (if applicable)

[Insert row or column, if required](#)

SECTION 8. METHOD OF ANALYSIS

Parameter	Method Details
CFU Count/Active Ingredient	[Insert]
Moisture	[Insert]

Pathogenic contaminants (such as gram-negative bacteria, salmonella, shigella, vibrio, etc	[Insert]
Other contaminants (chemical and botanical contaminants)	[Insert]
Potency if required	[Insert]
Any other parameter (if any)	[Insert]

[Insert more row or column, if required](#)

SECTION 9. Quantitative analysis Report:

The study has been carried out by M/s _____
(Name of Laboratory/Institute) under the following details:

9.1 Study Details

Particulars	Details
Study Title	
Study Number	
Product Name	
Formulation type	
Batch Number(s)	
Manufacturing Date	
Date of expiry	
Proposed Shelf Life	

9.2 Study results

Parameter	Requirement	Result	Method
CFU Count/Active Ingredient	[Insert]	[Insert]	[Insert]
Moisture	[Insert]	[Insert]	[Insert]
Ph	[Insert]	[Insert]	[Insert]
Pathogenic contaminants (such as gram-negative bacteria, salmonella, shigella, vibrio, etc	[Insert]	[Insert]	[Insert]
Other contaminants (chemical and botanical contaminants)	[Insert]	[Insert]	[Insert]
Potency if required	[Insert]	[Insert]	[Insert]
Plating for contaminants on specific media if required	[Insert]	[Insert]	[Insert]
Entomopathogenic capability on target insects by Bioassay if required	[Insert]	[Insert]	[Insert]
Any other parameter (if any)	[Insert]	[Insert]	[Insert]

[The complete ATR with all supporting documents](#)

[Insert more row or column, if required](#)

SECTION 10. SHELF-LIFE & STORAGE STABILITY

10.1 Shelf-life Claim

[Insert shelf-life]-

10.2 Shelf-life data study- NR for 9(3b)

The study has been carried out by M/s _____
(Name of Laboratory/Institution) under the following conditions and details:

Product Details

Particulars	Details
Study Title	
Study Number	
Product Name	
Formulation type	
Batch Number(s)	
Manufacturing Date	
Date of expiry	
Proposed Shelf Life	
Any Others	

Study Details

A. Real-Time Stability Conditions

Parameter	Details
Duration	[Insert]
Sampling Intervals	[Insert]
Different Agro-Climatic Zones	[Insert]
Any other parameters	
Meteorological Data Authentic Meteorological data for corresponding study period from the three study locations.	

10.3 Storage Stability Data Observations-

Parameter	Requirement	Result	Method
CFU Count/Active Ingredient	[Insert]	[Insert]	[Insert]
Moisture	[Insert]	[Insert]	[Insert]
Ph	[Insert]	[Insert]	[Insert]
Pathogenic contaminants (such as gram-negative bacteria, salmonella, shigella, vibrio, etc	[Insert]	[Insert]	[Insert]
Other contaminants (chemical and botanical contaminants)	[Insert]	[Insert]	[Insert]
Plating for contaminants on specific media if required	[Insert]	[Insert]	[Insert]

Entomopathogenic capability on target insects by Bioassay if required	[Insert]	[Insert]	[Insert]
Potency if required	[Insert]	[Insert]	[Insert]
Any other parameter (if any)	[Insert]	[Insert]	[Insert]

[Insert more row or column, if required](#)

10.4 Storage Stability Study Results-NR for 9(3b)

Durati on	Locati ons	Result of CFU Count (with require ment and result	Moisture (with require ment and result)	Ph (With require ment and result	Pathogeni c contamin ants (such as gram- negative bacteria, salmonell a, shigella, vibrio, etc with requirem ent and result	Other contamina nts (chemical and botanical contamina nts) With requireme nt and result	Any other parame ter (if any)
[insert zero month]	Locatio n-I	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
	Locatio n-II	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
	Locatio n-III	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
[insert month wise details]	Locatio n-1	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]	[Insert]
	Locatio n-II						
	Locatio n-III						
[insert month wise details]							

BIOEFFICACY
(HERBICIDE UNIT)

Format for T1 (NS) Application Scrutiny

Summary of Bioefficacy, Phytotoxicity, Effect on Succeeding Crop, Residue data

The applicant M/s _____ has submitted bioefficacy data in
Application No. (CSN) _____ which is as follows:

Name of the Chemical to be Registered:

Category of the product:

Crops on which bio-efficacy trials conducted:

I. Crop

Location 1:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Season and year 2:

Crop:

Variety:

Plot size:

Observation frequency;

Date of crop sowing/ transplanting : S1:

S2:

Date of application: S1:

S2:

Date of harvest: S1:

S2:

Method of spraying:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				

T3				
T4				
T5				
T6				

Weeds on which the herbicide is effective:

Weed population at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed dry weight at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed Control Efficiency at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								

T5								
T6								

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days After Application)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1:							
T2:							
T3:							

Result:

Effect on succeeding crop: -

Name of succeeding crop:

Variety:

Date of sowing:

Date of harvest:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days After sowing)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: bio effective dose							
T3: higher dose / dose for phytotoxicity							

Yield parameters and yield of succeeding crop:

Season 1

Tr.	Y1	Y2	Y3	Y4
T1				
T2				
T3				
T4				
T5				
T6				

Result:

** Submit the bio-efficacy, phytotoxicity and succeeding crop data for both the seasons/years.*

Location 2:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Season and year 2:

Crop:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed Control Efficiency at different intervals:**Season 1**

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Yield parameters and yield:**Season 1**

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:**Phytotoxicity data:****Observation frequency:****Phytotoxicity data at different intervals:**

Season 1

Treatments	Observation frequency (Days After Application)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1:							
T2:							
T3:							

Result:**Effect on succeeding crop:** -**Name of succeeding crop:****Variety:****Date of sowing:****Date of harvest:****Phytotoxicity data at different intervals:****Season 1**

Treatments	Observation frequency (Days After sowing)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: bio effective dose							
T3: higher dose / dose for phytotoxicity							

Yield parameters and yield of succeeding crop:**Season 1**

Tr.	Y1	Y2	Y3	Y4
T1				

T2				
T3				
T4				
T5				
T6				

Result: * Submit the bio-efficacy, phytotoxicity and succeeding crop data for both the seasons/years.

Data on Physico-Chemical & Biological Properties:

Institute of field studies from where samples were taken:

Location 1:

Location 2:

Location 3:

Institute where residue study carried out:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Dosage	Physical properties			Chemical properties			Biological properties		
Location-1; Season-1									
Before Application									
T1									
T2									
T3									

T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-1; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-2; Season-1									
Before Application									
T1									
T2									
T3									

T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-2; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-3; Season-1									
Before Application									
T1									
T2									
T3									

T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-3; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									

Result:

Data on Residue in Plant and Soil (Multi-location studies):

Institute of field studies from where samples were taken:

Location-1:

Location-2:

Location-3:

Institute where study was carried out:

Instrument used for analysis:

Date of sampling:

Date of analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

S. No.	Treatments	Test dosages/hectare	
		a.i. g/ha	Formulation
T1 : untreated control			
T2 : Bioeffective dose			
T3: Higher dose (1.25x/ 2 X dose)			

Average recovery (%):

Substrate	Fortification level (mg/kg)	Average Recovery (%)

Mean Residue:

Substrate	Location-1			Location-2			Location-3		
	T1	T2	T3	T1	T2	T3	T1	T2	T3

Season-I									
Soil									
Season-II									
Soil									

Proposed PHI (days):

Name of the chemical	Crop	Dosage	MRL Values (µg/g)		Proposed PHI (days)
			WHO/FAO/Others	Others (GOI*)	

Result:

Copy of RTT Permit:

The applicant M/s _____ has submitted bioefficacy data in **Application No. (CSN)** _____ which is as follows:

Name of the chemical to be registered:

Category of the product:

Crops on which bio-efficacy trials conducted:

II. Crop

Location 1:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Crop:

Variety:

Plot size:

Observation frequency:

Date of crop sowing or transplanting: S1:

Date of application: S1:

Date of harvest: S1:

Method of spraying:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Weeds on which the herbicide is effective:

Weed population at different intervals: Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								

T6								

Weed dry weight at different intervals: Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed Control Efficiency at different intervals: Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Yield parameters and yield: Season 1

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (DAA)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: UTC							
T2: Bio-effective Dose							
T3: Higher dose							

Result:

Effect on succeeding crop: -

Name of succeeding crop:

Variety:

Date of sowing:

Date of harvest:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (DAA)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: UTC							
T2: Bio-effective Dose							
T3: Higher dose							

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4
T1				
T2				
T3				
T4				
T5				
T6				

Result:

Location 2:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Crop:

Variety:

Plot size:

Observation frequency:

Date of crop sowing or transplanting: S1:

Date of application: S1:

Date of harvest: S1:

Method of spraying:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Weeds on which the herbicide is effective:

Weed population at different intervals: Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed dry weight at different intervals: Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed Control Efficiency at different intervals: Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Yield parameters and yield: Season 1

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (DAA)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: UTC							
T2: Bio-effective Dose							
T3: Higher dose							

Result:

Effect on succeeding crop: -

Name of succeeding crop:

Variety:

Date of sowing:

Date of harvest:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (DAA)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: UTC							
T2: Bio-effective Dose							
T3: Higher dose							

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4
T1				
T2				
T3				
T4				
T5				
T6				

Result:

Data on Physico-Chemical & Biological Properties:

Institute of field studies from where samples were taken:

Location 1:

Location 2:

Institute where residue study carried out:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Dosage	Physical properties			Chemical properties			Biological properties		
Location-1; Season-1									
Before Application									
T1									

T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-2; Season-1									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									

Result:

Data on Residue in Plant and soil:

Institute of field studies from where samples were taken:

Location-1:

Institute where study was carried out:

Instrument used for analysis:

Date of sampling:

Date of analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

S. No.	Treatments	Test dosages/hectare	
		a.i. g/ha	Formulation
T1: UTC			
T2: Bio- effective Dose			
T3: Higher dose (1.25 X/ 2X dose)			

Average recovery (%):

Substrate	Fortification level (mg/kg)	Average Recovery (%)

Mean Residue:

Substrate	Location-1		
	T1	T2	T3
Season-I			
Soil			

Result:

Format for 9(3) TI / TIM Application Scrutiny

Summary of Translocation, Metabolism and Persistence data

The applicant M/s _____ has submitted bioefficacy data in **Application No. (CSN) _____** which is as follows:

Name of the chemical to be registered:

Category of the product:

Translocation in Plant:

Institute where study was carried out:

Institute where analysis was carried out:

Report Forwarding Authority:

Report Signatory Authority:

Instrument used for analysis:

Result:

Metabolism in Soil:

Institute where study was carried out:

Institute where analysis was carried out:

Report Forwarding Authority:

Report Signatory Authority:

Instrument used for analysis:

Result:

Metabolism in Water:

Institute where study was carried out:

Institute where analysis was carried out:

Report Forwarding Authority:

Report Signatory Authority:

Instrument used for analysis:

Result:

Metabolism in Plant:

Institute where study was carried out:

Institute where analysis was carried out:

Report Forwarding Authority:

Report Signatory Authority:

Instrument used for analysis:

Result:

Persistence in Plant:

Institute where study carried out:

Instrument used for analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

Treatments	Test dosages/hectare	
	a.i. g/ha	Formulation
T0:		
T1:		
T2:		

Sampling occasions and dates:

Sample Occasions	Dates

Average Recovery (%):

Fortification (mg/kg)	Substrate	% Recovery

Half life (days):

Crop	T1	T2

Residue study:

Sampling occasions (Days)	Residue (mg/kg)		
	T0	T1	T2

Result:

Persistence in Soil:

Institute where study carried out;

Instrument used for analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

Treatments	Dose
T0:	
T1:	
T2:	

Sampling occasions and dates:

Sampling occasions	Dates

Average recovery (%):

Fortification Level (mg/kg)	Soil type	% Recovery

Half life period (days):

Chemical name	Soil type	Half-life (Days)	
		T1	T2

Result:

Persistence in Water:

Institute where study carried out;

Instrument used for analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

Compound	Dose

Sampling occasions and dates:

Sampling occasions	Dates

Average recovery (%):

Fortification Level (mg/kg)	Type of water	% Recovery
	Acidic Water	
	Neutral Water	
	Alkaline Water	
	Acidic Water	
	Neutral Water	
	Alkaline Water	
	Acidic Water	
	Neutral Water	
	Alkaline Water	

Half life period (days):

Chemical name	Type of water	Half-life (Days)	
		T1	T2
	Acidic water		
	Neutral water		
	Basic water		

Result:

Registration status in foreign countries:

** If the applicant has submitted data for more than one crop and soil, submit that data also.*

Format for Formulation Application Scrutiny

Summary of Bioefficacy, Phytotoxicity, Effect on Succeeding Crop, Residue and Persistence data

The applicant M/s _____ has submitted bioefficacy data in **Application No. (CSN)** _____ which is as follows:

Name of the Chemical to be Registered:

Category of the product:

Crops on which bio-efficacy trials conducted:

III. Crop

Location 1:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Season and year 2:

Crop:

Variety:

Plot size:

Observation frequency;

Date of crop sowing or transplanting: S1: S2:

Date of application: S1: S2:

Date of harvest: S1: S2:

Method of application:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Weeds on which the herbicide is effective:

Weed population at different intervals:**Season 1**

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed dry weight at different intervals:**Season 1**

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed Control Efficiency at different intervals:**Season 1**

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Yield parameters and yield:**Season 1**

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:**Phytotoxicity data:****Observation frequency:****Phytotoxicity data at different intervals:****Season 1**

Treatments	Observation frequency (Days after Application)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: Bioeffective dose							
T3: higher dose (1.2X/ 2 X)							

Result:

Effect on succeeding crop: -

Name of succeeding crop:

Variety:

Date of sowing:

Date of harvest:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days After sowing)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: Bioeffective dose							
T3: higher dose (1.2X/ 2 X)							

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4
T1				
T2				
T3				
T4				
T5				
T6				

Result:

** Submit the bio-efficacy, phytotoxicity and succeeding crop data for both the seasons/years.*

Location 2:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Season and year 2:

Crop:

Variety:

Plot size:

Observation frequency;

Date of crop sowing or transplanting: S1:

S2:

Date of application: S1: S2:

Date of harvest: S1: S2:

Method of application:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Weeds on which the herbicide is effective:

Weed population at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed dry weight at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed Control Efficiency at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days after Application)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: Bioeffective dose							
T3: higher dose (1.2X/ 2 X)							

Result:

Effect on succeeding crop: -

Name of succeeding crop:

Variety:

Date of sowing:

Date of harvest:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days After sowing)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: Bioeffective dose							
T3: higher dose (1.2X/ 2 X)							

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4
T1				
T2				
T3				
T4				
T5				
T6				

Result:

** Submit the bio-efficacy, phytotoxicity and succeeding crop data for both the seasons/years.*

Location 3:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Season and year 2:

Crop:

Variety:

Plot size:

Observation frequency:

Date of crop sowing or transplanting: S1:

S2:

Date of application: S1: S2:

Date of harvest: S1: S2:

Method of application:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Weeds on which the herbicide is effective:

Weed population at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed dry weight at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed Control Efficiency at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8

T1								
T2								
T3								
T4								
T5								
T6								

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days after Application)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: Bioeffective dose							
T3: higher dose (1.2X/ 2 X)							

Result:

Effect on succeeding crop: -

Name of succeeding crop:

Variety:

Date of sowing:

Date of harvest:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days After sowing)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: Bioeffective dose							

T3: higher dose (1.2X/ 2 X)							

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4
T1				
T2				
T3				
T4				
T5				
T6				

Result:

** Submit the bio-efficacy, phytotoxicity and succeeding crop data for both the seasons/years.*

Data on Physico-Chemical & Biological Properties:

Institute of field studies from where samples were taken:

Location 1:

Location 2:

Location 3:

Institute where residue study carried out:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Dosage	Physical properties			Chemical properties			Biological properties		
Location-1; Season-1									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-1; Season-2									
Before Application									

T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-2; Season-1									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-2; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-3; Season-1									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									

T6									
Location-3; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									

Result:

Data on Residue in Plant and Soil (Multi-location studies):

Institute of field studies from where samples were taken:

Location-1:

Location-2:

Location-3:

Institute where study was carried out:

Instrument used for analysis:

Date of sampling:

Date of analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

S. No.	Treatments	Test dosages/hectare	
		a.i. g/ha	Formulation
T1 : untreated control			
T2: Bioeffective dose			
T3: higher dose			

Average recovery (%):

Substrate	Fortification level (mg/kg)	Average Recovery (%)

Mean Residue:

Substrate	Location-1			Location-2			Location-3		
	T1	T2	T3	T1	T2	T3	T1	T2	T3
Season-I									
Soil									
Season-II									
Soil									

Proposed PHI (days):

Name of the chemical	Crop	Dosage	MRL Values (µg/g)		Proposed PHI (days)
			WHO/FAO/Others	Others (GOI*)	

Result:**Persistence in Plant:****Institute where study carried out:****Instrument used for analysis:****Limit of detection (LOD):****Limit of quantification (LOQ):****Treatments:**

Treatments	Test dosages/hectare	
	a.i. g/ha	Formulation
T0: untreated control		
T1: Bioeffective dose		
T2: higher dose		

Sampling occasions and dates:

Sample Occasions	Dates

Average Recovery (%):

Fortification (mg/kg)	Substrate	% Recovery

Half life (days):

Crop	T1	T2

Residue study:

Sampling occasions (Days)	Residue (mg/kg)		
	T0	T1	T2

Result:

** Submit the above mentioned data for other crops also, if the applicant has submitted data for more than one crop.*

Persistence in Soil:

Institute where study carried out;

Instrument used for analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

Treatments	Dose
T0: untreated control	
T1: Bioeffective dose	
T2: higher dose	

Sampling occasions and dates:

Sampling occasions	Dates

Average recovery (%):

Fortification Level (mg/kg)	Soil type	% Recovery

Half life period (days):

Chemical name	Soil type	Half-life (Days)	
		T1	T2

Result:

Persistence in Water:

Institute where study carried out;

Instrument used for analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

Compound	Dose
T0: untreated control	
T1: Bioeffective dose	
T2: higher dose	

Sampling occasions and dates:

Sampling occasions	Dates

Average recovery (%):

Fortification (mg/kg)	Level	Type of water	% Recovery
		Acidic Water	
		Neutral Water	
		Alkaline Water	
		Acidic Water	
		Neutral Water	
		Alkaline Water	
		Acidic Water	
		Neutral Water	
		Alkaline Water	

Half life period (days):

Chemical name	Type of water	Half-life (Days)	
		T1	T2
	Acidic water		
	Neutral water		
	Basic water		

Result:

** Check the units of submitted data accordingly.*

Data on Compatibility with other chemicals:

Registration status in foreign countries:

Residue tolerance limits Fixed by the other Countries:

MRL Proforma:

RTT:

Label claims Sought/Proposed by the applicant:

Crop	Name of the weeds	Dosage/ha			Waiting period from last spray to harvest (days)
		a.i. (g)	Formulation (ml)	Water volume (L)	

Summary of Bioefficacy, Phytotoxicity, Effect on Succeeding Crop, Residue and Persistence data For PGRs

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T3							
T4							
T5							
T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (DAA)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: UTC							
T2: bioeffective Dose							
T3: higher dose (2X Dose)							

Result:

Location 2:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Season and year 2:

Crop:

Variety:

Plot size:

Observation frequency;

Date of crop sowing: S1: S2:

Date of application: S1: S2:

Date of harvest: S1: S2:

Method of spraying:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				

T4				
T5				
T6				

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (DAA)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: UTC							
T2: bioeffective Dose							
T3: higher dose (2X Dose)							

Result:

** Submit the bio-efficacy, phytotoxicity and succeeding crop data for both the seasons/years.*

Location 3:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Season and year 2:

Crop:

Variety:

Plot size:

Observation frequency;

Date of crop sowing: S1:

S2:

Date of application: S1:

S2:

Date of harvest: S1:

S2:

Method of spraying:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (DAA)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: UTC							
T2: bioeffective Dose							
T3: higher dose (2X Dose)							

Result:

** Submit the bio-efficacy, phytotoxicity and succeeding crop data for both the seasons/years.*

Data on Physico-Chemical & Biological Properties (In case of soil applied PGR):

Institute of field studies from where samples were taken:

Location 1:

Location 2:

Location 3:

Institute where residue study carried out:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Dosage	Physical properties			Chemical properties			Biological properties		
Location-1; Season-1									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-1; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-2; Season-1									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									

Location-2; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-3; Season-1									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-3; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									

Result:

Data on Residue in Plant and Soil (Multi-location studies):

Institute of field studies from where samples were taken:

Location-1:

Location-2:

Location-3:

Location-4:

Institute where study was carried out:

Instrument used for analysis:

Date of sampling:

Date of analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

S. No.	Treatments	Test dosages/hectare	
		a.i. g/ha	Formulation
T1: UTC			
T2: Bioeffective Dose			
T3: Higher dose (1.25X Dose)			

Average recovery (%):

Substrate	Fortification level (mg/kg)	Average Recovery (%)

Mean Residue:

Substrate	Location-1			Location-2			Location-3			Location-4		
	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3
Season-I												
Soil												
Season-II												
Soil												

Proposed PHI (days):

Name of the chemical	Crop	Dosage	MRL Values (µg/g)		Proposed PHI (days)
			WHO/FAO/Others	Others (GOI*)	

Result:

Persistence in Plant:

Institute where study carried out:

Instrument used for analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

Treatments	Test dosages/hectare	
	a.i. g/ha	Formulation
T0: UTC		
T1: Bioeffective Dose		
T2: Higher dose (1.25X Dose)		

Sampling occasions and dates:

Sample Occasions	Dates

Average Recovery (%):

Fortification (mg/kg)	Substrate	% Recovery

Half life (days):

Crop	T1	T2

Residue study:

Sampling occasions (Days)	Residue (mg/kg)		
	T0	T1	T2

Result:

** Submit the above mentioned data for other crops also, if the applicant has submitted data for more than one crop.*

Persistence in Soil:

Institute where study carried out;

Instrument used for analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

Treatments	Dose
T0: UTC	
T1: Bioeffective Dose	
T2: Higher dose (1.25X Dose)	

Sampling occasions and dates:

Sampling occasions	Dates

Average recovery (%):

Fortification Level (mg/kg)	Soil type	% Recovery

Half life period (days):

Chemical name	Soil type	Half-life (Days)	
		T1	T2

Result:

Persistence in Water:

Institute where study carried out;

Instrument used for analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

T0: UTC	Dose
T1: Bioeffective Dose	
T2: Higher dose (1.25X Dose)	
T0: UTC	

Sampling occasions and dates:

Sampling occasions	Dates

Average recovery (%):

Fortification Level (mg/kg)	Type of water	% Recovery
	Acidic Water	
	Neutral Water	
	Alkaline Water	
	Acidic Water	
	Neutral Water	
	Alkaline Water	
	Acidic Water	
	Neutral Water	
	Alkaline Water	

Half life period (days):

Chemical name	Type of water	Half-life (Days)	
		T1	T2
	Acidic water		
	Neutral water		
	Basic water		

Result:

* Check the units of submitted data accordingly.

Data on Compatibility with other chemicals:

Registration status in foreign countries:

Residue tolerance limits Fixed by the other Countries:

MRL Proforma:

RTT:

Label claims Sought/Proposed by the applicant:

Crop	Purpose	Dosage/ha			Waiting period from last spray to harvest (days)
		a.i. (g)	Formulation (ml)	Water volume (L)	

Format for Endorsement Application Scrutiny

Summary of Bioefficacy, Phytotoxicity, Effect on Succeeding Crop, Residue and Persistence data

The applicant M/s _____ has submitted bioefficacy data in **Application No. (CSN) _____** which is as follows:

Name of the Chemical to be Registered:

Category of the product:

Crops on which bio-efficacy trials conducted:

V. Crop

Location 1:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Season and year 2:

Crop:

Variety:

Plot size:

Observation frequency:

Date of crop sowing/ transplanting : **S1:** **S2:**

Date of application: **S1:** **S2:**

Date of harvest: **S1:** **S2:**

Method of spraying:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Weeds on which the herbicide is effective:

Weed population at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8

T1								
T2								
T3								
T4								
T5								
T6								

Weed dry weight at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed Control Efficiency at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days After Application)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1:							
T2:							
T3:							

Result:

Effect on succeeding crop: -

Name of succeeding crop:

Variety:

Date of sowing:

Date of harvest:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days After sowing)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: bio effective dose							
T3: higher dose / dose for phytotoxicity							

Yield parameters and yield of succeeding crop:

Season 1

Tr.	Y1	Y2	Y3	Y4
T1				
T2				
T3				
T4				
T5				
T6				

Result:

** Submit the bio-efficacy, phytotoxicity and succeeding crop data for both the seasons/years.*

Location 2:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Season and year 2:

Crop:

Variety:

Plot size:

Observation frequency;

Date of crop sowing/ transplanting : S1: S2:

Date of application: S1: S2:

Date of harvest: S1: S2:

Method of spraying:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Weeds on which the herbicide is effective:

Weed population at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed dry weight at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed Control Efficiency at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							
T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days After Application)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1:							
T2:							
T3:							

Result:

Effect on succeeding crop: -

Name of succeeding crop:

Variety:

Date of sowing:

Date of harvest:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days After sowing)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: bio effective dose							
T3: higher dose / dose for phytotoxicity							

Yield parameters and yield of succeeding crop:

Season 1

Tr.	Y1	Y2	Y3	Y4
T1				
T2				
T3				
T4				
T5				
T6				

Result: * Submit the bio-efficacy, phytotoxicity and succeeding crop data for both the seasons/years.

Location 3:

Bio-efficacy data:

Report Forwarding Authority:

Report Signatory Authority:

Season and year 1:

Season and year 2:

Crop:

Variety:

Plot size:

Observation frequency:

Date of crop sowing/ transplanting :

S1:

S2:

Date of application:

S1:

S2:

Date of harvest:

S1:

S2:

Method of spraying:

Number of Treatments:

Number of Replications:

Bio-effective dose:

Spray Volume:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Weeds on which the herbicide is effective:

Weed population at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed dry weight at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Weed Control Efficiency at different intervals:

Season 1

Tr.	W1	W2	W3	W4	W5	W6	W7	W8
T1								
T2								
T3								
T4								
T5								
T6								

Yield parameters and yield:

Season 1

Tr.	Y1	Y2	Y3	Y4	Y5	Y6	Y7
T1							
T2							
T3							
T4							
T5							

T6							

Result:

Phytotoxicity data:

Observation frequency:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days After Application)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: bio effective dose							
T3: higher dose / dose for phytotoxicity							

Result:

Effect on succeeding crop: -

Name of succeeding crop:

Variety:

Date of sowing:

Date of harvest:

Phytotoxicity data at different intervals:

Season 1

Treatments	Observation frequency (Days after sowing)						
	Yellowing	Stunning	Leaf injury	Vein clearing	Wilting	Epinasty	Hyponasty
T1: untreated control							
T2: bio effective dose							
T3: higher dose / dose for phytotoxicity							

Yield parameters and yield of succeeding crop:

Season 1

Tr.	Y1	Y2	Y3	Y4
T1				
T2				
T3				
T4				
T5				
T6				

Result:

** Submit the bio-efficacy, phytotoxicity and succeeding crop data for both the seasons/years.*

Data on Physico-Chemical & Biological Properties:

Institute of field studies from where samples were taken:

Location 1:

Location 2:

Location 3:

Institute where residue study carried out:

Treatments:

S. No.	Treatments	Test dosages/hectare		Water volume (l/ha)
		a.i. g/ha	Formulation	
T1				
T2				
T3				
T4				
T5				
T6				

Dosage	Physical properties			Chemical properties			Biological properties		
Location-1; Season-1									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-1; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-2; Season-1									
Before Application									
T1									
T2									
T3									
T4									

T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-2; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-3; Season-1									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									
Location-3; Season-2									
Before Application									
T1									
T2									
T3									
T4									
T5									
T6									
At Harvest									
T1									
T2									
T3									
T4									
T5									
T6									

Result:

Data on Residue in Plant and Soil (Multi-location studies):

Institute of field studies from where samples were taken:

Location-1:

Location-2:

Location-3:

Institute where study was carried out:

Instrument used for analysis:

Date of sampling:

Date of analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

S. No.	Treatments	Test dosages/hectare	
		a.i. g/ha	Formulation
T1 : untreated control			
T2 : Bioeffective dose			
T3: Higher dose (1.25x/ 2 X dose)			

Average recovery (%):

Substrate	Fortification level (mg/kg)	Average Recovery (%)

Mean Residue:

Substrate	Location-1			Location-2			Location-3		
	T1	T2	T3	T1	T2	T3	T1	T2	T3
Season-I									
Soil									
Season-II									
Soil									

Proposed PHI (days):

	Crop	Dosage	MRL Values (µg/g)	

Name of the chemical			WHO/FAO/Others	Others (GOI*)	Proposed PHI (days)

Result:

Persistence in Plant:

Institute where study carried out:

Instrument used for analysis:

Limit of detection (LOD):

Limit of quantification (LOQ):

Treatments:

Treatments	Test dosages/hectare	
	a.i. g/ha	Formulation
T1 : untreated control		
T2 : Bioeffective dose		
T3: Higher dose (1.25x/ 2 X dose)		

Sampling occasions and dates:

Sample Occasions	Dates

Average Recovery (%):

Fortification (mg/kg)	Substrate	% Recovery

Half life (days):

Crop	T1	T2

Residue study:

Sampling occasions (Days)	Residue (mg/kg)		
	T0	T1	T2

Result:

** Submit the above mentioned data for other crops also, if the applicant has submitted data for more than one crop.*

Data on Compatibility with other chemicals:

Registration status in foreign countries:

Residue tolerance limits Fixed by the other Countries:

MRL Proforma:

RTT:

Label claims Sought/Proposed by the applicant:

Crop	Name of the weeds	Dosage/ha			Waiting period from last spray to harvest (days)
		a.i. (g)	Formulation (ml)	Water volume (L)	

TOXICOLOGY

TOXICOLOGY TEMPLATE

9(3b) TI

1. General Information:

Test chemical Name	
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)	
Specify the status of the chemical listed in the schedule	
Manufacturing address	
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof	
Residue tolerance limit fixed by foreign countries	
Medical data <i>cross reference from study report and page no. to be provided</i>	
Summary Report Derived from Health Records of Industrial Workers	
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)	

2. RTT Permit

RTT PERMIT DETAILS						
PERMIT NUMBER	NAME OF THE INSECTICIDE/CHEMICAL	QUANTITY	NAME OF THE IMPORTER	NAME OF THE MANUFACTURER	SOURCE OF PROCUREMENT	PURPOSE OF THE IMPORT

3. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.						
Sponsor (Name and Address)						

Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (Yes/No)						
OECD Guideline or others						

2. Study Design/Methodology

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Doses of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre-dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>						

Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes (If any)						
Necropsy findings and						

histopathological findings <i>cross reference from study report and page no. to be provided</i>						
Organs examined						

4. Result Summary

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died						
LD ₅₀ / LC ₅₀ (GHS Classification)						
Study Conclusion						

SHORT-TERM REPEATED DOSE TOXICITY STUDIES

1. Test study Information:

	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					
Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					
IAEC No. (if available)					
GLP Statement (yes/no)					
Whether the study is done within GLP certificate validity date (yes/no)					

OECD Guideline or others						

2. Study Design/Methodology

Particulars		Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity- Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Species/Strain						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Dose of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre- dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>						
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>						
Acclimatization period and grouping						
Dosing Schedule, Duration of the study						

Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
NOAEL/ NOAEC/LOAEC					
Food and water consumption changes					
Clinical observations schedule with respect to doses					
Nature and severity of the toxicity signs (if any)					
Time course of onset and Duration of the toxicity effect (if any)					
Date and time of death, if before scheduled sacrifice					
Total No. of Mortality per dose					
Body weight changes					
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>					
Neurobehavioral assessment report <i>(cross reference from study report and page no. to be provided)</i>					
Clinical pathology Hematology Biochemistry Urinalysis					

(cross reference from study report and page no. to be provided)					
Necropsy findings and histopathological findings (cross reference from study report and page no. to be provided)					
Organs examined					
organ weight changes and organ/body weight ratios					
Statistical tool used for calculation					

4. Result Summary

Particulars		Repeated dose 28-day oral toxicity- Rodent	Repeated dose 90-day oral toxicity- Rodent	Repeated dose 90-day oral toxicity- Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Number of animals dosed, survived and died						
Study Conclusion						

NEUROTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						

Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

Particulars		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Species/Strain						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Dose of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre- dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction)						

(cross reference from study report and page no. to be provided)						
Feed analysis statement / certificate (as applicable) * (cross reference from study report and page no. to be provided)						
Acclimatization period and grouping						
Dosing Schedule, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity -OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
NOAEL						
Food and water consumption changes (if any)						
Clinical observations schedule with respect to doses						

Nature and severity of the toxicity signs (if any)					
Time course of onset and Duration of the toxicity effect (if any)					
Date and time of death, if before scheduled sacrifice					
Total No. of Mortality per dose					
Body weight changes					
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>					
Neurobehavioral assessment report <i>(cross reference from study report and page no. to be provided)</i>					
Neuropathological assessment report <i>(cross reference from study report and page no. to be provided)</i>					
Neurochemical assessment report <i>(cross reference from study report and page no. to be provided)</i>					
Electrophysiological assessment report <i>(cross reference from study report and page no. to be provided)</i>					
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report</i>					

<i>and page no. to be provided)</i>						
Necropsy findings and histopathological findings of brain <i>(cross reference from study report and page no. to be provided)</i>						
Statistical tool if used						

4. Result Summary

Particulars		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Number of animals dosed, survived and died						
Study Conclusion						

LONG-TERM TOXICITY STUDIES

1. Test study Information:

Particulars		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Study Report No.			
Sponsor (Name and Address)			
Source (Name and Address)			
Study initiation Date			
Study completion Date			
Batch No.			
Purity			
CoA attached (Yes/No)			
IAEC No. (if available)			
GLP Statement (yes/no)			

Whether the study is done within GLP certificate validity date (yes/no)			
OECD Guideline or others			

2. Study Design/Methodology

Particulars		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Species/Strain			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			
Fasting conditions (Duration) pre-dose			
Housing conditions: Temperature, Humidity, Light cycle			
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>			
Feed analysis statement / certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>			
Acclimatization period and grouping			
Dosing Schedule, Duration of the study			
Rationale for dose selection			

Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.			

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
NOAEL/LOAEL			
Food and water consumption changes			
Clinical observations schedule with respect to doses			
Nature and severity of the toxicity signs (if any)			
Time course of onset and Duration of the toxicity effect (if any)			
Date and time of death, if before scheduled sacrifice			
Total No. of Mortality per dose			
Body weight changes			
Ophthalmological examination report (cross reference from study report and page no. to be provided)			
Clinical pathology - Hematology - Biochemistry - Urinalysis (cross reference from study report and page no. to be provided)			
Necropsy findings - Terminal body weight - Organ weights and their ratios, if applicable - Necropsy findings			

Incidence and severity of abnormalities (cross reference from study report and page no. to be provided)			
Histopathological findings - Non neoplastic histopathological findings - Neoplastic histopathological findings - Correlation between gross and microscopic findings - Detailed description of all treatment-related histopathological findings including severity gradings - Report of any peer review of slides; (cross reference from study report and page no. to be provided)			
Organs examined			
Statistical tool used for calculation			
Dose-Response relationship			

4. Result Summary

Particulars		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Number of animals dosed, survived and died			
Study Conclusion			

PHARMACOKINETICS STUDIES

1. Test study Information:

Particulars		Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)	Feeding study including Metabolism in Livestock [Poultry (Hen)]
Study Report No.				

Sponsor (Name and Address)				
Source (Name and Address)				
Study initiation Date				
Study completion Date				
Batch No.				
Purity				
CoA attached (Yes/No)				
IAEC No. (if available)				
GLP Statement (yes/no)				
Whether the study is done within GLP certificate validity date (yes/no)				
OECD Guideline or others				

Feeding study including Metabolism in Livestock (Goat / Cow) and Poultry – not applicable (NA) on case-to-case basis.

2. Study Design/Methodology

Particulars	Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)	Feeding study including Metabolism in Livestock [Poultry (Hen)]
Species/Strain			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			
Fasting conditions (Duration) pre-dose			
Housing conditions: Temperature, Humidity, Light cycle			
Total radioactivity per animal			
Analytical methods used for separation, quantitation and identification of metabolites			

Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>				
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>				
Acclimatization period and grouping				
Dosing Schedule/ Single Duration of the study				
Rationale for dose selection				
Any other special consideration				
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.				

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)	Feeding study including Metabolism in Livestock [Poultry (Hen)]
NOAEL/NOAEC/LOAEC				
Food and water consumption changes				
Clinical observations schedule with respect to doses				
Absorption Data: • Rate and extent of absorption by each route of exposure.				

<i>(additionally cross reference from study report and page no. to be provided)</i>				
Tissue Distribution: - Report as % of administered dose and as µg-equivalents per g of tissue. - Include tissue-to-blood and tissue-to-plasma ratios. <i>(additionally cross reference from study report and page no. to be provided)</i>				
Plasma Concentrations & TK Parameters: Bioavailability, AUC, C_{max}, T_{max}, clearance, and half-life for relevant routes. <i>(additionally cross reference from study report and page no. to be provided)</i>				
Excretion Data: Amounts of parent compound and metabolites in excreta (% of administered dose). <i>(additionally cross reference from study report and page no. to be provided)</i>				
Metabolic pathway <i>(cross reference from study report and page no. to be provided)</i>				
Statistical tool used for calculation				

4. Result Summary

Particulars		Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)	Feeding study including Metabolism in Livestock [Poultry (Hen)]
Correlation with observed toxicity, dose proportionality, systemic exposure				
Study Conclusion				

IMMUNOTOXICITY STUDY

1. Test study Information:

Particulars		Immunotoxicity test
Study Report No.		
Sponsor (Name and Address)		
Source (Name and Address)		
Study initiation Date		
Study completion Date		
Batch No.		
Purity		
CoA attached (Yes/No)		
IAEC No. (if available)		
GLP Statement (yes/no)		
Whether the study is done within GLP certificate validity date (yes/no)		
OECD Guideline or others		

2. Study Design/Methodology

Particulars		Immunotoxicity test
Species/Strain		
No. and sex of animals per dose		
Age and Body weight range at dosing		
Dose of test chemical		
Vehicle used		
Route of administration		
Fasting conditions (Duration) pre-dose		

Housing conditions: Temperature, Humidity, Light cycle		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Immunotoxicity test
NOAEL/BMC/NOAEC/LOAEC/BALF		
Food and water consumption changes (if any)		
Clinical observations schedule with respect to doses		
Nature and severity of the toxicity signs (if any)		
Time course of onset and Duration of the toxicity effect (if any)		
Body weight changes		
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>		
Necropsy findings and histopathological findings		

<i>(cross reference from study report and page no. to be provided)</i>		
Lymphoid Organs examined and weights <i>(cross reference from study report and page no. to be provided)</i>		
Phenotyping <i>(cross reference from study report and page no. to be provided)</i>		
Primary Functional test (TDAR) <i>(cross reference from study report and page no. to be provided)</i>		
Secondary functional Test Report <i>(cross reference from study report and page no. to be provided)</i>		
Statistical tool used for calculation		

4. Result Summary

Particulars		Immunotoxicity test
Number of animals dosed, survived and died		
Study Conclusion		

ECOTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							

Ethical consideration (NO.) (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (yes/no)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Species						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Dose of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre-dose where applicable						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) (cross reference from study report and page no. to be provided)						
Feed analysis statement /						

certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>						
Acclimatization period and grouping						
Dosing Schedule, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

3. Observations

Particulars	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Result LD50						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes						
Necropsy findings and						

histopathological findings <i>(cross reference from study report and page no. to be provided)</i>							
Organs examined							
Food and feed consumption data <i>(cross reference from study report and page no. to be provided)</i>							
Statistical tool if used							

4. Result Summary

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Number of animals dosed, survived and died							
LD ₅₀							
Study Conclusion							

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.
2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE

9 (3b) TIM

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Manufacturing address		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						

CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Doses of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre-dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>						
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>						

Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD ₅₀ / LC ₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes (If any)						
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>						
Organs examined						

4. Result Summary

		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

SHORT-TERM REPEATED DOSE TOXICITY STUDIES

1. Test study Information:

		Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

		Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Species/Strain						
No. and sex of animals per dose						

Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>					
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
NOAEL/ NOAEC/LOAEC					
Food and water consumption changes					
Clinical observations schedule with respect to doses					

Nature and severity of the toxicity signs (if any)					
Time course of onset and Duration of the toxicity effect (if any)					
Date and time of death, if before scheduled sacrifice					
Total No. of Mortality per dose					
Body weight changes					
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>					
Neurobehavioral assessment report <i>(cross reference from study report and page no. to be provided)</i>					
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>					
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>					
Organs examined					
organ weight changes and organ/body weight ratios					
Statistical tool used for calculation					

4. Result Summary

	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity

Number of animals dosed, survived and died					
Study Conclusion					

NEUROTOXICITY STUDIES

1. Test study Information:

		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity-OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Species/Strain						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Dose of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre- dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>						
Feed analysis statement / certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>						
Acclimatization period and grouping						
Dosing Schedule,						

Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity -OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
NOAEL					
Food and water consumption changes (if any)					
Clinical observations schedule with respect to doses					
Nature and severity of the toxicity signs (if any)					
Time course of onset and Duration of the toxicity effect (if any)					
Date and time of death, if before scheduled sacrifice					
Total No. of Mortality per dose					
Body weight changes					
Ophthalmological examination report (cross reference from study report and page no. to be provided)					

Neurobehavioral assessment report (cross reference from study report and page no. to be provided)						
Neuropathological assessment report (cross reference from study report and page no. to be provided)						
Neurochemical assessment report (cross reference from study report and page no. to be provided)						
Electrophysiological assessment report (cross reference from study report and page no. to be provided)						
Clinical pathology • Hematology • Biochemistry • Urinalysis (cross reference from study report and page no. to be provided)						
Necropsy findings and histopathological findings of brain (cross reference from study report and page no. to be provided)						
Statistical tool if used						

4. Result Summary

		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Number of animals						

dosed, survived and died						
Study Conclusion						

LONG-TERM TOXICITY STUDIES

1. Test study Information:

		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Study Report No.			
Sponsor (Name and Address)			
Source (Name and Address)			
Study initiation Date			
Study completion Date			
Batch No.			
Purity			
CoA attached (Yes/No)			
IAEC No. (if available)			
GLP Statement (yes/no)			
Whether the study is done within GLP certificate validity date (yes/no)			
OECD Guideline or others			

2. Study Design/Methodology

		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Species/Strain			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			

Fasting conditions (Duration) pre-dose			
Housing conditions: Temperature, Humidity, Light cycle			
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>			
Feed analysis statement / certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>			
Acclimatization period and grouping			
Dosing Schedule, Duration of the study			
Rationale for dose selection			
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.			

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
NOAEL/LOAEL			
Food and water consumption changes			
Clinical observations schedule with respect to doses			
Nature and severity of the toxicity signs (if any)			

Time course of onset and Duration of the toxicity effect (if any)			
Date and time of death, if before scheduled sacrifice			
Total No. of Mortality per dose			
Body weight changes			
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>			
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>			
Necropsy findings • Terminal body weight • Organ weights and their ratios, if applicable • Necropsy findings • Incidence and severity of abnormalities <i>(cross reference from study report and page no. to be provided)</i>			
Histopathological findings • Non neoplastic histopathological findings • Neoplastic histopathological findings • Correlation between gross and microscopic findings • Detailed description of all treatment-related histopathological findings including severity gradings			

Report of any peer review of slides; (cross reference from study report and page no. to be provided)			
Organs examined			
Statistical tool used for calculation			
Dose-Response relationship			

4. Result Summary

		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Number of animals dosed, survived and died			
Study Conclusion			

PHARMACOKINETICS STUDIES

1. Test study Information:

		Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)	Feeding study including Metabolism in Livestock [Poultry (Hen)]
Study Report No.				
Sponsor (Name and Address)				
Source (Name and Address)				
Study initiation Date				
Study completion Date				
Batch No.				
Purity				
CoA attached (Yes/No)				
IAEC No. (if available)				
GLP Statement (yes/no)				
Whether the study is done within GLP certificate validity date (yes/no)				

OECD Guideline or others			

Feeding study including Metabolism in Livestock (Goat / Cow) and Poultry – not applicable (NA) on case-to-case basis.

2. Study Design/Methodology

	Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)	Feeding study including Metabolism in Livestock [Poultry (Hen)]
Species/Strain			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			
Fasting conditions (Duration) pre-dose			
Housing conditions: Temperature, Humidity, Light cycle			
Total radioactivity per animal			
Analytical methods used for separation, quantitation and identification of metabolites			
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>			
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>			
Acclimatization period and grouping			
Dosing Schedule/ Single Duration of the study			
Rationale for dose selection			

Any other special consideration				
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.				

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

		Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)	Feeding study including Metabolism in Livestock [Poultry (Hen)]
NOAEL/NOAEC/LOAEC				
Food and water consumption changes				
Clinical observations schedule with respect to doses				
Absorption Data: Rate and extent of absorption by each route of exposure. <i>(additionally cross reference from study report and page no. to be provided)</i>				
Tissue Distribution: - Report as % of administered dose and as µg-equivalents per g of tissue. - Include tissue-to-blood and tissue-to-plasma ratios. <i>(additionally cross reference from study report and page no. to be provided)</i>				
Plasma Concentrations & TK Parameters: Bioavailability, AUC, Cmax, Tmax, clearance,				

and half-life for relevant routes. (additionally cross reference from study report and page no. to be provided)				
Excretion Data: Amounts of parent compound and metabolites in excreta (% of administered dose). (additionally cross reference from study report and page no. to be provided)				
Metabolic pathway (cross reference from study report and page no. to be provided)				
Statistical tool used for calculation				

4. Result Summary

		Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)	Feeding study including Metabolism in Livestock [Poultry (Hen)]
Correlation with observed toxicity, dose proportionality, systemic exposure				
Study Conclusion				

IMMUNOTOXICITY STUDY

1. Test study Information:

		Immunotoxicity test
Study Report No.		
Sponsor (Name and Address)		
Source (Name and Address)		
Study initiation Date		
Study completion Date		
Batch No.		

Purity		
CoA attached (Yes/No)		
IAEC No. (if available)		
GLP Statement (yes/no)		
Whether the study is done within GLP certificate validity date (yes/no)		
OECD Guideline or others		

2. Study Design/Methodology

		Immunotoxicity test
Species/Strain		
No. and sex of animals per dose		
Age and Body weight range at dosing		
Dose of test chemical		
Vehicle used		
Route of administration		
Fasting conditions (Duration) pre- dose		
Housing conditions: Temperature, Humidity, Light cycle		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report</i>		

<i>and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

		Immunotoxicity test
NOAEL/BMC/NOAEC/LOAEC/BALF		
Food and water consumption changes (if any)		
Clinical observations schedule with respect to doses		
Nature and severity of the toxicity signs (if any)		
Time course of onset and Duration of the toxicity effect (if any)		
Body weight changes		
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>		
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>		
Lymphoid Organs examined and weights <i>(cross reference from study report and page no. to be provided)</i>		

Phenotyping (cross reference from study report and page no. to be provided)		
Primary Functional test (TDAR) (cross reference from study report and page no. to be provided)		
Secondary functional Test Report (cross reference from study report and page no. to be provided)		
Statistical tool used for calculation		

4. Result Summary

		Immunotoxicity test
Number of animals dosed, survived and died		
Study Conclusion		

ECOTOXICITY STUDIES

1. Test study Information:

		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
Ethical consideration (NO.) (if available)							
GLP Statement (yes/no)							

Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Species						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Dose of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre-dose where applicable						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>						
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>						

Acclimatization period and grouping						
Dosing Schedule, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

3. Observations

	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Result LD50						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes						
Necropsy findings and histopathological findings <i>(cross reference from study report)</i>						

<i>and page no. to be provided)</i>						
Organs examined						
Food and feed consumption data <i>(cross reference from study report and page no. to be provided)</i>						
Statistical tool if used						

4. Result Summary

	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Number of animals dosed, survived and died						
LD₅₀						
Study Conclusion						

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.
2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE

9(3b) FI

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Type of Formulation		
In case of formulation, status of technical registration		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from Health Records of Industrial Workers		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. RTT Permit

RTT PERMIT DETAILS						
PERMIT NUMBER	NAME OF THE INSECTICIDE/CHEMICAL	QUANTITY	NAME OF THE IMPORTER	NAME OF THE MANUFACTURER	SOURCE OF PROCUREMENT	PURPOSE OF THE IMPORT

3. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre-dose							

Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>cross reference from</i> <i>study report and</i> <i>page no. to be</i> <i>provided</i>							
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from</i> <i>study report and</i> <i>page no. to be</i> <i>provided</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						

Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							
Body weight schedule changes (If any)							
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>							
Organs examined							

2. Result Summary

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

ECOTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							

Purity							
CoA attached (Yes/No)							
Ethical consideration (NO.) (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (yes/no)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Species							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Dose of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre- dose where applicable							
Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>(cross reference from study report</i>							

<i>and page no. to be provided)</i>							
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Result LD50							
Clinical observations schedule with respect to doses							
Nature and severity of the toxicity signs (if any)							
Time course of onset and Duration of the toxicity effect (if any)							
Date and time of death, if before scheduled sacrifice							

Total No. of Mortality per dose						
Body weight schedule changes						
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>						
Organs examined						
Food and feed consumption data <i>(cross reference from study report and page no. to be provided)</i>						
Statistical tool if used						

4. Result Summary

Particulars	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Number of animals dosed, survived and died						
LD₅₀						
Study Conclusion						

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.
2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE

9(3b) FIM

1. General Information:

Test chemical Name	
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)	
Specify the status of the chemical listed in the schedule	
Type of Formulation	
In case of formulation, status of technical registration	
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof	
Residue tolerance limit fixed by foreign countries	
Medical data <i>cross reference from study report and page no. to be provided</i>	
Summary Report Derived from Health Records of Industrial Workers	
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)	

2. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						

Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (Yes/No)						
OECD Guideline or others						

2. Study Design/Methodology

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Doses of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre-dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>						
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>						

Acclimatization period and grouping						
Dosing Schedule, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD ₅₀ / LC ₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes (If any)						
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>						
Organs examined						

2. Result Summary

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

ECOTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
Ethical consideration (NO.) (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (yes/no)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Species							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Dose of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre- dose where applicable							
Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>							
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							

Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Result LD50							
Clinical observations schedule with respect to doses							
Nature and severity of the toxicity signs (if any)							
Time course of onset and Duration of the toxicity effect (if any)							
Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							
Body weight schedule changes							
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>							
Organs examined							
Food and feed consumption data <i>(cross reference from study report and</i>							

<i>page no. to be provided)</i>						
Statistical tool if used						

4. Result Summary

Particulars	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Number of animals dosed, survived and died						
LD ₅₀						
Study Conclusion						

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.
2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE

9(3)-TI-New Molecule

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Manufacturing address		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from Health Records of Industrial Workers		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. RTT Permit

RTT PERMIT DETAILS						
PERMIT NUMBER	NAME OF THE INSECTICIDE/CHEMICAL	QUANTITY	NAME OF THE IMPORTER	NAME OF THE MANUFACTURER	SOURCE OF PROCUREMENT	PURPOSE OF THE IMPORT

1. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							

Fasting conditions (Duration) pre-dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>						
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>						
Acclimatization period and grouping						
Dosing Schedule, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀						
Clinical observations schedule with respect to doses						

Nature and severity of the toxicity signs (if any)							
Time course of onset and Duration of the toxicity effect (if any)							
Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							
Body weight schedule changes (If any)							
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>							
Organs examined							

4. Result Summary

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died						
LD ₅₀ / LC ₅₀ (GHS Classification)						
Study Conclusion						

SHORT-TERM REPEATED DOSE TOXICITY STUDIES

1. Test study Information:

	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					

Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					
IAEC No. (if available)					
GLP Statement (yes/no)					
Whether the study is done within GLP certificate validity date (yes/no)					
OECD Guideline or others					

2. Study Design/Methodology

Particulars	Repeated dose 28-day oral toxicity- Rodent	Repeated dose 90-day oral toxicity- Rodent	Repeated dose 90-day oral toxicity- Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Species/Strain					
No. and sex of animals per dose					
Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>					
Feed analysis statement / certificate (as applicable) (optional)					

<i>cross reference from study report and page no. to be provided</i>						
Acclimatization period and grouping						
Dosing Schedule, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
NOAEL/ NOAEC/LOAEC						
Food and water consumption changes						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight changes						
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>						
Neurobehavioral assessment report						

(cross reference from study report and page no. to be provided)						
Clinical pathology - Hematology - Biochemistry - Urinalysis (cross reference from study report and page no. to be provided)						
Necropsy findings and histopathological findings (cross reference from study report and page no. to be provided)						
Organs examined						
organ weight changes and organ/body weight ratios						
Statistical tool used for calculation						

4. Result Summary

Particulars	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Number of animals dosed, survived and died					
Study Conclusion					

NEUROTOXICITY STUDIES

1. Test study Information:

Particulars	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity-OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					

Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

Particulars	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity-OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
Species/Strain					
No. and sex of animals per dose					
Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions					

(Duration) pre-dose					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>					
Feed analysis statement / certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity -OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study

NOAEL						
Food and water consumption changes (if any)						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight changes						
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>						
Neurobehavioral assessment report <i>(cross reference from study report and page no. to be provided)</i>						
Neuropathological assessment report <i>(cross reference from study report and page no. to be provided)</i>						
Neurochemical assessment report <i>(cross reference from study report and page no. to be provided)</i>						
Electrophysiological assessment report <i>(cross reference from study report and page no. to be provided)</i>						

Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>					
Necropsy findings and histopathological findings of brain <i>(cross reference from study report and page no. to be provided)</i>					
Statistical tool if used					

4. Result Summary

Particulars	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Number of animals dosed, survived and died					
Study Conclusion					

LONG-TERM TOXICITY STUDIES

1. Test study Information:

Particulars	Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Study Report No.		
Sponsor (Name and Address)		
Source (Name and Address)		
Study initiation Date		
Study completion Date		
Batch No.		
Purity		

CoA attached (Yes/No)			
IAEC No. (if available)			
GLP Statement (yes/no)			
Whether the study is done within GLP certificate validity date (yes/no)			
OECD Guideline or others			

2. Study Design/Methodology

Particulars		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Species/Strain			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			
Fasting conditions (Duration) pre-dose			
Housing conditions: Temperature, Humidity, Light cycle			
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>			
Feed analysis statement / certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>			
Acclimatization period and grouping			
Dosing Schedule, Duration of the study			

Rationale for dose selection			
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.			

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
NOAEL/LOAEL			
Food and water consumption changes			
Clinical observations schedule with respect to doses			
Nature and severity of the toxicity signs (if any)			
Time course of onset and Duration of the toxicity effect (if any)			
Date and time of death, if before scheduled sacrifice			
Total No. of Mortality per dose			
Body weight changes			
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>			
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>			
Necropsy findings • Terminal body weight • Organ weights and their ratios, if applicable • Necropsy findings			

Incidence and severity of abnormalities (cross reference from study report and page no. to be provided)			
Histopathological findings - Non neoplastic histopathological findings - Neoplastic histopathological findings - Correlation between gross and microscopic findings - Detailed description of all treatment-related histopathological findings including severity gradings - Report of any peer review of slides; (cross reference from study report and page no. to be provided)			
Organs examined			
Statistical tool used for calculation			
Dose-Response relationship			

4. Result Summary

Particulars		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Number of animals dosed, survived and died			
Study Conclusion			

DEVELOPMENTAL & REPRODUCTION TOXICITY STUDIES

1. Test study Information:

Particulars		Developmental toxicity study Rat	Developmental toxicity study - Rabbit	Two generational reproduction toxicity
Study Report No.				
Sponsor (Name and Address)				

Source (Name and Address)				
Study initiation Date				
Study completion Date				
Batch No.				
Purity				
CoA attached (Yes/No)				
IAEC No. (if available)				
GLP Statement (yes/no)				
Whether the study is done within GLP certificate validity date (yes/no)				
OECD Guideline or others				

2. Study Design/Methodology

Particulars	Developmental toxicity study -Rat	Developmental toxicity study - Rabbit	Two generational reproduction toxicity
Species/Strain			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			
Fasting conditions (Duration) pre-dose			
Housing conditions: Temperature, Humidity, Light cycle			
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>			
Feed analysis statement / certificate (as applicable) (optional)*			

<i>(cross reference from study report and page no. to be provided)</i>				
Acclimatization period and grouping				
Dosing Schedule, Duration of the study				
Rationale for dose selection				
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.				

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Developmental toxicity study - Rat	Developmental toxicity study - Rabbit	Two generational reproduction toxicity
NOAEL/LOAEL			
Food, water and test material consumption changes (if any)			
Number of animals at study start, number surviving to termination.			
Number of confirmed pregnancies, abortions, and early deliveries.			
Day and cause of death (if any); survival status to scheduled sacrifice.			
Data from non-surviving animals reported separately (excluded from inter-group statistics). <i>(cross reference from study report and page no. to be provided)</i>			
Day of onset, duration, and progression of abnormal clinical signs.			

Daily clinical observations <i>(cross reference from study report and page no. to be provided)</i>	Maternal toxicity (posture, respiration, activity, appearance).	Maternal toxicity (posture, respiration, activity, appearance).	Nature, Severity, Duration of Clinical Signs and Mortality
Body weight changes and growth <i>(cross reference from study report and page no. to be provided)</i>	body weight change, and gravid uterine weight; Optionally, body weight change corrected for gravid uterine weight.	body weight change, and gravid uterine weight; Optionally, body weight change corrected for gravid uterine weight.	Body weight data and changes including litter and pub at birth and during lactation. Body weight at sacrifice
Consumption and Hormonal Data <i>(cross reference from study report and page no. to be provided)</i>	T4, T3, and TSH levels (and other hormones if measured). Details of hormone kits/antibodies used, assay method, and laboratory historical control data (mean $\pm$ SD).	T4, T3, and TSH levels (and other hormones if measured). Details of hormone kits/antibodies used, assay method, and laboratory historical control data (mean $\pm$ SD).	
Reproductive Indices/ Reproductive Performance and Fertility Indices <i>(additionally cross reference from study report and page no. to be provided)</i>	• Number of corpora lutea (ovulation count). • Number of implantation sites per dam. • Number and percentage of live and dead fetuses. • Number and percentage of resorptions (early and late). • Pre-implantation loss (%) = $\frac{(\text{Corpora lutea} - \text{Implantations})}{\text{Corpora lutea}} \times 100$ • Post-implantation loss (%) = $\frac{(\text{Implantations} - \text{Live fetuses})}{\text{Implantations}} \times 100$	• Number of corpora lutea (ovulation count). • Number of implantation sites per dam. • Number and percentage of live and dead fetuses. • Number and percentage of resorptions (early and late). • Pre-implantation loss (%) = $\frac{(\text{Corpora lutea} - \text{Implantations})}{\text{Corpora lutea}} \times 100$ • Post-implantation loss (%) = $\frac{(\text{Implantations} - \text{Live fetuses})}{\text{Implantations}}$	• Toxic Responses by Sex and Dose • Number of Animals Used • Toxic or Other Effects on Reproduction • Time-to-Mating • Gestation Length • Estrous Cycle Data • Sperm Parameters: Total cauda epididymal sperm count, Percent progressively motile sperm, Percent morphologically normal sperm, Percent of sperm with identified abnormalities

			Implantations × 100	
Fetal Viability and Growth • Number and percentage of live fetuses per litter. • Sex ratio (males/females per litter). • Fetal body weight, reported by sex and combined mean. <i>(additionally cross reference from study report and page no. to be provided)</i>				
Abnormalities and Categorisation/ Developmental Landmarks <i>(additionally cross reference from study report and page no. to be provided)</i>	• Criteria for classification of findings (malformations vs. variations) clearly described. • Record total number and percent of fetuses and litters showing any external, visceral, or skeletal alteration and specific anomalies with their incidence and type.	• Criteria for classification of findings (malformations vs. variations) clearly described. • Record total number and percent of fetuses and litters showing any external, visceral, or skeletal alteration and specific anomalies with their incidence and type.	• Physical Development in Pups: Eye opening, ear unfolding, tooth eruption, etc. (Justify selected landmarks). • Functional Observations: Motor, sensory, or behavioral assessments in pups and adults.	
Other critical observations <i>(additionally cross reference from study report and page no. to be provided)</i>	Morphometric and Anatomical Observations • Anogenital distance (AGD) for all fetuses: Measured and statistically evaluated by sex, corrected	Morphometric and Anatomical Observations • Anogenital distance (AGD) for all fetuses: Measured and statistically evaluated by sex, corrected	Implantation and Offspring Data 2. Number of Implantations and Corpora Lutea 3. Litter Size and Live Births 4. Post-implantation Loss	

		for fetal body weight. • External, visceral (soft tissue), and skeletal examinations performed for malformations or variations. • Sex-specific Findings- Indicate cases of incomplete testicular descent (cryptorchidism) or other sex-related developmental effects in male fetuses.	for fetal body weight. • External, visceral (soft tissue), and skeletal examinations performed for malformations or variations. Sex-specific Findings Indicate cases of incomplete testicular descent (cryptorchidism) or other sex-related developmental effects in male fetuses.	5. Grossly Visible Abnormalities in Pups 6. Runts: Number if determined.
Necropsy findings (cross reference from study report and page no. to be provided)				
Histopathological findings (cross reference from study report and page no. to be provided)				
Organs examined				
Statistical tool used for calculation				
Dose-Response relationship				

4. Result Summary

Particulars		Developmental toxicity study - Rat	Developmental toxicity study - Rabbit	Two generational reproduction toxicity
Number of animals dosed, survived and died				
Study Conclusion				

PHARMACOKINETICS STUDIES

1. Test study Information:

Particulars		Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
Study Report No.			
Sponsor (Name and Address)			
Source (Name and Address)			
Study initiation Date			
Study completion Date			
Batch No.			
Purity			
CoA attached (Yes/No)			
IAEC No. (if available)			
GLP Statement (yes/no)			
Whether the study is done within GLP certificate validity date (yes/no)			
OECD Guideline or others			

2. Study Design/Methodology

Particulars		Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
Species/Strain			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			
Fasting conditions (Duration) pre-dose			
Housing conditions: Temperature, Humidity, Light cycle			

Total radioactivity per animal			
Analytical methods used for separation, quantitation and identification of metabolites			
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>			
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>			
Acclimatization period and grouping			
Dosing Schedule/ Single Duration of the study			
Rationale for dose selection			
Any other special consideration			
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.			

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
NOAEL/NOAEC/LOAEC		
Food and water consumption changes		
Clinical observations schedule with respect to doses		

Absorption Data: Rate and extent of absorption by each route of exposure. <i>(additionally cross reference from study report and page no. to be provided)</i>		
Tissue Distribution: - Report as % of administered dose and as µg-equivalents per g of tissue. - Include tissue-to-blood and tissue-to-plasma ratios. <i>(additionally cross reference from study report and page no. to be provided)</i>		
Plasma Concentrations & TK Parameters: Bioavailability, AUC, C_{max}, T_{max}, clearance, and half-life for relevant routes. <i>(additionally cross reference from study report and page no. to be provided)</i>		
Excretion Data: Amounts of parent compound and metabolites in excreta (% of administered dose). <i>(additionally cross reference from study report and page no. to be provided)</i>		
Metabolic pathway <i>(cross reference from study report and page no. to be provided)</i>		
Statistical tool used for calculation		

4. Result Summary

Particulars	Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
Correlation with observed toxicity, dose proportionality, systemic exposure		
Study Conclusion		

IMMUNOTOXICITY STUDY

1. Test study Information:

Particulars	Immunotoxicity test
Study Report No.	
Sponsor (Name and Address)	
Source (Name and Address)	
Study initiation Date	
Study completion Date	
Batch No.	
Purity	
CoA attached (Yes/No)	
IAEC No. (if available)	
GLP Statement (yes/no)	
Whether the study is done within GLP certificate validity date (yes/no)	
OECD Guideline or others	

2. Study Design/Methodology

Particulars	Immunotoxicity test
Species/Strain	
No. and sex of animals per dose	
Age and Body weight range at dosing	
Dose of test chemical	

Vehicle used		
Route of administration		
Fasting conditions (Duration) pre-dose		
Housing conditions: Temperature, Humidity, Light cycle		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Immunotoxicity test
NOAEL/BMC/NOAEC/LOAEC/BALF		

Food and water consumption changes (if any)		
Clinical observations schedule with respect to doses		
Nature and severity of the toxicity signs (if any)		
Time course of onset and Duration of the toxicity effect (if any)		
Body weight changes		
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>		
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>		
Lymphoid Organs examined and weights <i>(cross reference from study report and page no. to be provided)</i>		
Phenotyping <i>(cross reference from study report and page no. to be provided)</i>		
Primary Functional test (TDAR) <i>(cross reference from study report and page no. to be provided)</i>		
Secondary functional Test Report <i>(cross reference from study report and page no. to be provided)</i>		
Statistical tool used for calculation		

4. Result Summary

Particulars		Immunotoxicity test
Number of animals dosed, survived and died		
Study Conclusion		

MUTAGENECITY STUDIES

1. Test study Information:

Particulars		Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Study Report No.					

Sponsor (Name and Address)				
Source (Name and Address)				
Study initiation Date				
Study completion Date				
Batch No.				
Purity				
CoA attached (Yes/No)				
IAEC No. (in case of in vivo studies) (if available)				
GLP Statement (yes/no)				
Whether the study is done within GLP certificate validity date (yes/no)				
OECD Guideline or others				

2. Study Design/Methodology

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Species/Strain				
No. and sex of animals per dose (in case of in vivo)				
Age and Body weight range at dosing (in case of in vivo)				
Concentration/ Dose of test chemical				
Vehicle used				
Route of administration (in case of in vivo)				
Fasting conditions (Duration) pre-dose (in case of in vivo)				
Housing conditions: Temperature, Humidity, Light cycle (in case of in vivo)				
Feed report (source, restriction)				

<i>(cross reference from study report and page no. to be provided)</i>					
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Food and water consumption changes (in vivo)					
Clinical observations schedule with respect to doses (in vivo)					
Body weight changes (in vivo)					
Clinical pathology if any (in vivo) <i>(cross reference from study report and page no. to be provided)</i>					
Scoring (in vivo)					
Primary endpoints (in vitro) frequency of micronucleated erythrocytes (PCE/NCE or					

reticulocyte MN) per animal; PCE:NCE ratio for marrow toxicity/ frequency of structural chromosome aberrations per metaphase in bone marrow/ spermatogonial chromosomal aberration frequency in testicular metaphases/ others <i>(cross reference from study report and page no. to be provided)</i>					
Primary endpoints (in vitro) revertant colony counts/ number (%) of cells with structural aberrations/ mutant frequency, clonogenicity, expression time, viability/ % micronucleated cells, CBPI or MN frequency, cytotoxicity metric/ others <i>(cross reference from study report and page no. to be provided)</i>					
Statistical tool used for calculation					

4. Result Summary

Particulars		Mutagenicity test AMES TEST	Mutagenicity test <i>(In Vitro)</i>	Mutagenicity test <i>(In Vitro)</i>	Mutagenicity test <i>(In Vivo)</i>
Study Conclusion					

ECOTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee	Acute toxicity-Earthworm

						(oral and contact)	
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
Ethical consideration (NO.) (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (yes/no)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Species						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Dose of test chemical						
Vehicle used						
Route of administration						
Fasting conditions						

(Duration) pre-dose where applicable							
Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>							
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Result LD50							
Clinical observations							

schedule with respect to doses							
Nature and severity of the toxicity signs (if any)							
Time course of onset and Duration of the toxicity effect (if any)							
Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							
Body weight schedule changes							
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>							
Organs examined							
Food and feed consumption data <i>(cross reference from study report and page no. to be provided)</i>							
Statistical tool if used							

4. Result Summary

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Number of animals dosed, survived and died							
LD₅₀							
Study Conclusion							

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

5. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.
6. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
7. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
8. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE

9(3)-TI-New Source

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Manufacturing address		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from Health Records of Industrial Workers		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. RTT Permit

RTT PERMIT DETAILS						
PERMIT NUMBER	NAME OF THE INSECTICIDE/CHEMICAL	QUANTITY	NAME OF THE IMPORTER	NAME OF THE MANUFACTURER	SOURCE OF PROCUREMENT	PURPOSE OF THE IMPORT

5. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

6. Study Design/Methodology

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							

Fasting conditions (Duration) pre-dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>						
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>						
Acclimatization period and grouping						
Dosing Schedule, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

7. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀						
Clinical observations schedule with respect to doses						

Nature and severity of the toxicity signs (if any)							
Time course of onset and Duration of the toxicity effect (if any)							
Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							
Body weight schedule changes (If any)							
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>							
Organs examined							

8. Result Summary

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died						
LD ₅₀ / LC ₅₀ (GHS Classification)						
Study Conclusion						

SHORT-TERM REPEATED DOSE TOXICITY STUDIES

1. Test study Information:

	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					

Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					
IAEC No. (if available)					
GLP Statement (yes/no)					
Whether the study is done within GLP certificate validity date (yes/no)					
OECD Guideline or others					

2. Study Design/Methodology

Particulars	Repeated dose 28-day oral toxicity- Rodent	Repeated dose 90-day oral toxicity- Rodent	Repeated dose 90-day oral toxicity- Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Species/Strain					
No. and sex of animals per dose					
Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>					
Feed analysis statement / certificate (as applicable) (optional)					

<i>cross reference from study report and page no. to be provided</i>						
Acclimatization period and grouping						
Dosing Schedule, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

5. Observations

Particulars		Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
NOAEL/ NOAEC/LOAEC						
Food and water consumption changes						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight changes						
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>						
Neurobehavioral assessment report						

(cross reference from study report and page no. to be provided)						
Clinical pathology - Hematology - Biochemistry - Urinalysis (cross reference from study report and page no. to be provided)						
Necropsy findings and histopathological findings (cross reference from study report and page no. to be provided)						
Organs examined						
organ weight changes and organ/body weight ratios						
Statistical tool used for calculation						

6. Result Summary

Particulars	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Number of animals dosed, survived and died					
Study Conclusion					

MUTAGENECITY STUDIES

1. Test study Information:

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Study Report No.				
Sponsor (Name and Address)				
Source (Name and Address)				
Study initiation Date				
Study completion Date				

Batch No.				
Purity				
CoA attached (Yes/No)				
IAEC No. (in case of in vivo studies) (if available)				
GLP Statement (yes/no)				
Whether the study is done within GLP certificate validity date (yes/no)				
OECD Guideline or others				

5. Study Design/Methodology

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Species/Strain				
No. and sex of animals per dose (in case of in vivo)				
Age and Body weight range at dosing (in case of in vivo)				
Concentration/ Dose of test chemical				
Vehicle used				
Route of administration (in case of in vivo)				
Fasting conditions (Duration) pre-dose (in case of in vivo)				
Housing conditions: Temperature, Humidity, Light cycle (in case of in vivo)				
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>				
Feed analysis statement / certificate (as				

applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

6. Observations

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Food and water consumption changes (in vivo)				
Clinical observations schedule with respect to doses (in vivo)				
Body weight changes (in vivo)				
Clinical pathology if any (in vivo) <i>(cross reference from study report and page no. to be provided)</i>				
Scoring (in vivo)				
Primary endpoints (in vitro) frequency of micronucleated erythrocytes (PCE/NCE or reticulocyte MN) per animal; PCE:NCE ratio for marrow toxicity/ frequency of structural chromosome				

aberrations per metaphase in bone marrow/ spermatogonial chromosomal aberration frequency in testicular metaphases/ others <i>(cross reference from study report and page no. to be provided)</i>					
Primary endpoints (in vitro) revertant colony counts/ number (%) of cells with structural aberrations/ mutant frequency, clonogenicity, expression time, viability/ % micronucleated cells, CBPI or MN frequency, cytotoxicity metric/ others <i>(cross reference from study report and page no. to be provided)</i>					
Statistical tool used for calculation					

7. Result Summary

Particulars		Mutagenicity test AMES TEST	Mutagenicity test <i>(In Vitro)</i>	Mutagenicity test <i>(In Vitro)</i>	Mutagenicity test <i>(In Vivo)</i>
Study Conclusion					

ECOTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.							
Sponsor (Name and Address)							

Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
Ethical consideration (NO.) (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (yes/no)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Species						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Dose of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre-dose where applicable						
Housing conditions:						

Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>							
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Result LD50							
Clinical observations schedule with respect to doses							
Nature and severity of the toxicity signs (if any)							

Time course of onset and Duration of the toxicity effect (if any)							
Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							
Body weight schedule changes							
Necropsy findings and histopathological findings (cross reference from study report and page no. to be provided)							
Organs examined							
Food and feed consumption data (cross reference from study report and page no. to be provided)							
Statistical tool if used							

4. Result Summary

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Number of animals dosed, survived and died							
LD ₅₀							
Study Conclusion							

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.

2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE

9(3) TIM-New molecule

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Manufacturing address		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

3. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							

Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

3. Study Design/Methodology

		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre- dose							
Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>							
Feed analysis statement / certificate (as applicable) (optional)							

<i>cross reference from study report and page no. to be provided</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes (If any)						
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>						
Organs examined						

4. Result Summary

		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

SHORT-TERM REPEATED DOSE TOXICITY STUDIES

1. Test study Information:

		Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

		Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Species/Strain						
No. and sex of animals per dose						

Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>					
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
NOAEL/ NOAEC/LOAEC					
Food and water consumption changes					
Clinical observations schedule with respect to doses					

Nature and severity of the toxicity signs (if any)					
Time course of onset and Duration of the toxicity effect (if any)					
Date and time of death, if before scheduled sacrifice					
Total No. of Mortality per dose					
Body weight changes					
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>					
Neurobehavioral assessment report <i>(cross reference from study report and page no. to be provided)</i>					
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>					
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>					
Organs examined					
organ weight changes and organ/body weight ratios					
Statistical tool used for calculation					

4. Result Summary

	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity

Number of animals dosed, survived and died					
Study Conclusion					

NEUROTOXICITY STUDIES

1. Test study Information:

		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity-OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Species/Strain						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Dose of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre- dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>						
Feed analysis statement / certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>						
Acclimatization period and grouping						
Dosing Schedule,						

Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity -OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
NOAEL					
Food and water consumption changes (if any)					
Clinical observations schedule with respect to doses					
Nature and severity of the toxicity signs (if any)					
Time course of onset and Duration of the toxicity effect (if any)					
Date and time of death, if before scheduled sacrifice					
Total No. of Mortality per dose					
Body weight changes					
Ophthalmological examination report (cross reference from study report and page no. to be provided)					

Neurobehavioral assessment report (cross reference from study report and page no. to be provided)						
Neuropathological assessment report (cross reference from study report and page no. to be provided)						
Neurochemical assessment report (cross reference from study report and page no. to be provided)						
Electrophysiological assessment report (cross reference from study report and page no. to be provided)						
Clinical pathology • Hematology • Biochemistry • Urinalysis (cross reference from study report and page no. to be provided)						
Necropsy findings and histopathological findings of brain (cross reference from study report and page no. to be provided)						
Statistical tool if used						

4. Result Summary

		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity-OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
Number of animals						

dosed, survived and died						
Study Conclusion						

LONG-TERM TOXICITY STUDIES

1. Test study Information:

		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Study Report No.			
Sponsor (Name and Address)			
Source (Name and Address)			
Study initiation Date			
Study completion Date			
Batch No.			
Purity			
CoA attached (Yes/No)			
IAEC No. (if available)			
GLP Statement (yes/no)			
Whether the study is done within GLP certificate validity date (yes/no)			
OECD Guideline or others			

2. Study Design/Methodology

		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Species/Strain			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			
Fasting conditions (Duration) pre-dose			

Housing conditions: Temperature, Humidity, Light cycle		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

	Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
NOAEL/LOAEL		
Food and water consumption changes		
Clinical observations schedule with respect to doses		
Nature and severity of the toxicity signs (if any)		
Time course of onset and Duration of the toxicity effect (if any)		
Date and time of death, if before scheduled sacrifice		
Total No. of Mortality per dose		

Body weight changes			
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>			
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>			
Necropsy findings • Terminal body weight • Organ weights and their ratios, if applicable • Necropsy findings • Incidence and severity of abnormalities <i>(cross reference from study report and page no. to be provided)</i>			
Histopathological findings • Non neoplastic histopathological findings • Neoplastic histopathological findings • Correlation between gross and microscopic findings • Detailed description of all treatment-related histopathological findings including severity gradings • Report of any peer review of slides; <i>(cross reference from study report and page no. to be provided)</i>			
Organs examined			

Statistical tool used for calculation			
Dose-Response relationship			

4. Result Summary

		Carcinogenicity- Mice	Combined Chronic toxicity and carcinogenicity-Rat
Number of animals dosed, survived and died			
Study Conclusion			

DEVELOPMENTAL & REPRODUCTION TOXICITY STUDIES

1. Test study Information:

		Developmental toxicity study Rat	Developmental toxicity study - Rabbit	Two generational reproduction toxicity
Study Report No.				
Sponsor (Name and Address)				
Source (Name and Address)				
Study initiation Date				
Study completion Date				
Batch No.				
Purity				
CoA attached (Yes/No)				
IAEC No. (if available)				
GLP Statement (yes/no)				
Whether the study is done within GLP certificate validity date (yes/no)				
OECD Guideline or others				

2. Study Design/Methodology

		Developmental toxicity study -Rat	Developmental toxicity study - Rabbit	Two generational reproduction toxicity
Species/Strain				
No. and sex of animals per dose				
Age and Body weight range at dosing				

Dose of test chemical				
Vehicle used				
Route of administration				
Fasting conditions (Duration) pre-dose				
Housing conditions: Temperature, Humidity, Light cycle				
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>				
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>				
Acclimatization period and grouping				
Dosing Schedule, Duration of the study				
Rationale for dose selection				
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.				

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

		Developmental toxicity study - Rat	Developmental toxicity study - Rabbit	Two generational reproduction toxicity
NOAEL/LOAEL				
Food, water and test material consumption changes (if any)				
Number of animals at study start, number surviving to termination.				

Number of confirmed pregnancies, abortions, and early deliveries.			
Day and cause of death (if any); survival status to scheduled sacrifice.			
Data from non-surviving animals reported separately (excluded from inter-group statistics). <i>(cross reference from study report and page no. to be provided)</i>			
Day of onset, duration, and progression of abnormal clinical signs.			
Daily clinical observations <i>(cross reference from study report and page no. to be provided)</i>	Maternal toxicity (posture, respiration, activity, appearance).	Maternal toxicity (posture, respiration, activity, appearance).	Nature, Severity, Duration of Clinical Signs and Mortality
Body weight changes and growth <i>(cross reference from study report and page no. to be provided)</i>	body weight change, and gravid uterine weight; Optionally, body weight change corrected for gravid uterine weight.	body weight change, and gravid uterine weight; Optionally, body weight change corrected for gravid uterine weight.	Body weight data and changes including litter and pub at birth and during lactation. Body weight at sacrifice
Consumption and Hormonal Data <i>(cross reference from study report and page no. to be provided)</i>	T4, T3, and TSH levels (and other hormones if measured). Details of hormone kits/antibodies used, assay method, and laboratory historical control data (mean $\pm$ SD).	T4, T3, and TSH levels (and other hormones if measured). Details of hormone kits/antibodies used, assay method, and laboratory historical control data (mean $\pm$ SD).	
Reproductive Indices/ Reproductive Performance and Fertility Indices <i>(additionally cross reference from study report and page no. to be provided)</i>	• Number of corpora lutea (ovulation count). • Number of implantation sites per dam. • Number and percentage of live and dead fetuses.	• Number of corpora lutea (ovulation count). • Number of implantation sites per dam. • Number and percentage of live and dead fetuses.	• Toxic Responses by Sex and Dose • Number of Animals Used • Toxic or Other Effects on Reproduction • Time-to-Mating

	• Number and percentage of resorptions (early and late). • Pre-implantation loss (%) = $\frac{(\text{Corpora lutea} - \text{Implantations})}{\text{Corpora lutea}} \times 100$ • Post-implantation loss (%) = $\frac{(\text{Implantations} - \text{Live fetuses})}{\text{Implantations}} \times 100$	• Number and percentage of resorptions (early and late). • Pre-implantation loss (%) = $\frac{(\text{Corpora lutea} - \text{Implantations})}{\text{Corpora lutea}} \times 100$ • Post-implantation loss (%) = $\frac{(\text{Implantations} - \text{Live fetuses})}{\text{Implantations}} \times 100$	• Gestation Length • Estrous Cycle Data • Sperm Parameters: Total cauda epididymal sperm count, Percent progressively motile sperm, Percent morphologically normal sperm, Percent of sperm with identified abnormalities
Fetal Viability and Growth • Number and percentage of live fetuses per litter. • Sex ratio (males/females per litter). • Fetal body weight, reported by sex and combined mean. <i>(additionally cross reference from study report and page no. to be provided)</i>			
Abnormalities and Categorisation/ Developmental Landmarks <i>(additionally cross reference from study report and page no. to be provided)</i>	• Criteria for classification of findings (malformations vs. variations) clearly described. • Record total number and percent of fetuses and litters showing any external,	• Criteria for classification of findings (malformations vs. variations) clearly described. • Record total number and percent of fetuses and litters showing any external,	• Physical Development in Pups: Eye opening, ear unfolding, tooth eruption, etc. (Justify selected landmarks). • Functional Observations: Motor, sensory, or

		visceral, or skeletal alteration and specific anomalies with their incidence and type.	visceral, or skeletal alteration and specific anomalies with their incidence and type.	behavioral assessments in pups and adults.
Other critical observations <i>(additionally cross reference from study report and page no. to be provided)</i>		Morphometric and Anatomical Observations - Anogenital distance (AGD) for all fetuses: Measured and statistically evaluated by sex, corrected for fetal body weight. - External, visceral (soft tissue), and skeletal examinations performed for malformations or variations. - Sex-specific Findings- Indicate cases of incomplete testicular descent (cryptorchidism) or other sex-related developmental effects in male fetuses.	Morphometric and Anatomical Observations - Anogenital distance (AGD) for all fetuses: Measured and statistically evaluated by sex, corrected for fetal body weight. - External, visceral (soft tissue), and skeletal examinations performed for malformations or variations. Sex-specific Findings Indicate cases of incomplete testicular descent (cryptorchidism) or other sex-related developmental effects in male fetuses.	Implantation and Offspring Data - Number of Implantations and Corpora Lutea - Litter Size and Live Births - Post-implantation Loss - Grossly Visible Abnormalities in Pups - Runts: Number if determined.
Necropsy findings <i>(cross reference from study report and page no. to be provided)</i>				
Histopathological findings <i>(cross reference from study report and page no. to be provided)</i>				
Organs examined				
Statistical tool used for calculation				

Dose-Response relationship				

4. Result Summary

	Developmental toxicity study - Rat	Developmental toxicity study - Rabbit	Two generational reproduction toxicity
Number of animals dosed, survived and died			
Study Conclusion			

PHARMACOKINETICS STUDIES

1. Test study Information:

	Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
Study Report No.		
Sponsor (Name and Address)		
Source (Name and Address)		
Study initiation Date		
Study completion Date		
Batch No.		
Purity		
CoA attached (Yes/No)		
IAEC No. (if available)		
GLP Statement (yes/no)		
Whether the study is done within GLP certificate validity date (yes/no)		
OECD Guideline or others		

2. Study Design/Methodology

	Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)
Species/Strain		
No. and sex of animals per dose		

Age and Body weight range at dosing		
Dose of test chemical		
Vehicle used		
Route of administration		
Fasting conditions (Duration) pre-dose		
Housing conditions: Temperature, Humidity, Light cycle		
Total radioactivity per animal		
Analytical methods used for separation, quantitation and identification of metabolites		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule/ Single Duration of the study		
Rationale for dose selection		
Any other special consideration		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

	Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
NOAEL/NOAEC/LOAEC		
Food and water consumption changes		
Clinical observations schedule with respect to doses		
Absorption Data: Rate and extent of absorption by each route of exposure. <i>(additionally cross reference from study report and page no. to be provided)</i>		
Tissue Distribution: - Report as % of administered dose and as µg-equivalents per g of tissue. - Include tissue-to-blood and tissue-to-plasma ratios. <i>(additionally cross reference from study report and page no. to be provided)</i>		
Plasma Concentrations & TK Parameters: Bioavailability, AUC, C_{max}, T_{max}, clearance, and half-life for relevant routes. <i>(additionally cross reference from study report and page no. to be provided)</i>		
Excretion Data: Amounts of parent compound and metabolites in		

excreta (% of administered dose). <i>(additionally cross reference from study report and page no. to be provided)</i>			
Metabolic pathway <i>(cross reference from study report and page no. to be provided)</i>			
Statistical tool used for calculation			

4. Result Summary

		Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
Correlation with observed toxicity, dose proportionality, systemic exposure			
Study Conclusion			

IMMUNOTOXICITY STUDY

1. Test study Information:

		Immunotoxicity test
Study Report No.		
Sponsor (Name and Address)		
Source (Name and Address)		
Study initiation Date		
Study completion Date		
Batch No.		
Purity		
CoA attached (Yes/No)		
IAEC No. (if available)		
GLP Statement (yes/no)		
Whether the study is done within GLP certificate validity date (yes/no)		
OECD Guideline or others		

2. Study Design/Methodology

		Immunotoxicity test
Species/Strain		
No. and sex of animals per dose		
Age and Body weight range at dosing		
Dose of test chemical		
Vehicle used		
Route of administration		
Fasting conditions (Duration) pre-dose		
Housing conditions: Temperature, Humidity, Light cycle		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments		

(Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

		Immunotoxicity test
NOAEL/BMC/NOAEC/LOAEC/BALF		
Food and water consumption changes (if any)		
Clinical observations schedule with respect to doses		
Nature and severity of the toxicity signs (if any)		
Time course of onset and Duration of the toxicity effect (if any)		
Body weight changes		
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>		
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>		
Lymphoid Organs examined and weights <i>(cross reference from study report and page no. to be provided)</i>		
Phenotyping <i>(cross reference from study report and page no. to be provided)</i>		
Primary Functional test (TDAR) <i>(cross reference from study report and page no. to be provided)</i>		
Secondary functional Test Report <i>(cross reference from study report and page no. to be provided)</i>		
Statistical tool used for calculation		

4. Result Summary

		Immunotoxicity test
Number of animals dosed, survived and died		
Study Conclusion		

MUTAGENECITY STUDIES

1. Test study Information:

		Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					
Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					
IAEC No. (in case of in vivo studies) (if available)					
GLP Statement (yes/no)					
Whether the study is done within GLP certificate validity date (yes/no)					
OECD Guideline or others					

2. Study Design/Methodology

		Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Species/Strain					
No. and sex of animals per dose (in case of in vivo)					
Age and Body weight range at dosing (in case of in vivo)					
Concentration/ Dose of test chemical					

Vehicle used					
Route of administration (in case of in vivo)					
Fasting conditions (Duration) pre-dose (in case of in vivo)					
Housing conditions: Temperature, Humidity, Light cycle (in case of in vivo)					
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>					
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Food and water consumption changes (in vivo)				
Clinical observations schedule with respect to doses (in vivo)				

Body weight changes (in vivo)				
Clinical pathology if any (in vivo) <i>(cross reference from study report and page no. to be provided)</i>				
Scoring (in vivo)				
Primary endpoints (in vitro) frequency of micronucleated erythrocytes (PCE/NCE or reticulocyte MN) per animal; PCE:NCE ratio for marrow toxicity/ frequency of structural chromosome aberrations per metaphase in bone marrow/ spermatogonial chromosomal aberration frequency in testicular metaphases/ others <i>(cross reference from study report and page no. to be provided)</i>				
Primary endpoints (in vitro) revertant colony counts/ number (%) of cells with structural aberrations/ mutant frequency, clonogenicity, expression time, viability/ % micronucleated cells, CBPI or MN frequency, cytotoxicity metric/ others <i>(cross reference from study report and page no. to be provided)</i>				

Statistical tool used for calculation				

4. Result Summary

	Mutagenicity test AMES TEST	Mutagenicity test (<i>In Vitro</i>)	Mutagenicity test (<i>In Vitro</i>)	Mutagenicity test (<i>In Vivo</i>)
Study Conclusion				

ECOTOXICITY STUDIES

1. Test study Information:

	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
Ethical consideration (NO.) (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm

Species							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Dose of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre-dose where applicable							
Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>							
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or							

cross reference of report.						

3. Observations

		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Result LD50							
Clinical observations schedule with respect to doses							
Nature and severity of the toxicity signs (if any)							
Time course of onset and Duration of the toxicity effect (if any)							
Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							
Body weight schedule changes							
Necropsy findings and histopathological findings (cross reference from study report and page no. to be provided)							
Organs examined							
Food and feed consumption data (cross reference from study report and page no. to be provided)							
Statistical tool if used							

4. Result Summary

		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Number of animals dosed, survived and died							
LD ₅₀							
Study Conclusion							

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.
2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE

9(3) TIM vs TI

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from Health Records of Industrial Workers (if available)		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						

Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Doses of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre-dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>						
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>						

Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD ₅₀ / LC ₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes (If any)						
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>						
Organs examined						

4. Result Summary

		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

MUTAGENECITY STUDIES

1. Test study Information:

		Mutagenicity test AMES TEST	Mutagenicity test (<i>In Vitro</i>)	Mutagenicity test (<i>In Vitro</i>)	Mutagenicity test (<i>In Vivo</i>)
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					
Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					
IAEC No. (in case of in vivo studies) (if available)					
GLP Statement (yes/no)					
Whether the study is done within GLP certificate validity date (yes/no)					
OECD Guideline or others					

2. Study Design/Methodology

		Mutagenicity test AMES TEST	Mutagenicity test (<i>In Vitro</i>)	Mutagenicity test (<i>In Vitro</i>)	Mutagenicity test (<i>In Vivo</i>)
Species/Strain					
No. and sex of animals per dose (in case of in vivo)					

Age and Body weight range at dosing (in case of in vivo)				
Concentration/ Dose of test chemical				
Vehicle used				
Route of administration (in case of in vivo)				
Fasting conditions (Duration) pre-dose (in case of in vivo)				
Housing conditions: Temperature, Humidity, Light cycle (in case of in vivo)				
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>				
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>				
Acclimatization period and grouping				
Dosing Schedule, Duration of the study				
Rationale for dose selection				
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.				

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

	Mutagenicity test AMES TEST	Mutagenicity test <i>(In Vitro)</i>	Mutagenicity test <i>(In Vitro)</i>	Mutagenicity test <i>(In Vivo)</i>
Food and water consumption changes (in vivo)				

Clinical observations schedule with respect to doses (in vivo)				
Body weight changes (in vivo)				
Clinical pathology if any (in vivo) <i>(cross reference from study report and page no. to be provided)</i>				
Scoring (in vivo)				
Primary endpoints (in vitro) frequency of micronucleated erythrocytes (PCE/NCE or reticulocyte MN) per animal; PCE:NCE ratio for marrow toxicity/ frequency of structural chromosome aberrations per metaphase in bone marrow/ spermatogonial chromosomal aberration frequency in testicular metaphases/ others <i>(cross reference from study report and page no. to be provided)</i>				
Primary endpoints (in vitro) revertant colony counts/ number (%) of cells with structural aberrations/ mutant frequency, clonogenicity, expression time, viability/ % micronucleated cells, CBPI or MN frequency, cytotoxicity metric/ others				

<i>(cross reference from study report and page no. to be provided)</i>				
Statistical tool used for calculation				

4. Result Summary

		Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Study Conclusion					

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

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TOXICOLOGY TEMPLATE

9(3) TIM vs FI-WRT

1. General Information:

Test chemical Name	
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)	

2. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

MUTAGENECITY STUDIES

1. Test study Information:

		Mutagenicity test AMES TEST
Study Report No.		
Sponsor (Name and Address)		
Source (Name and Address)		
Study initiation Date		
Study completion Date		
Batch No.		
Purity		
CoA attached (Yes/No)		
IAEC No. (in case of in vivo studies) (if available)		
GLP Statement (yes/no)		
Whether the study is done within GLP certificate validity date (yes/no)		
OECD Guideline or others		

2. Study Design/Methodology

		Mutagenicity test AMES TEST
Species/Strain		
No. and sex of animals per dose (in case of in vivo)		
Age and Body weight range at dosing (in case of in vivo)		

Concentration/ Dose of test chemical		
Vehicle used		
Route of administration (in case of in vivo)		
Fasting conditions (Duration) pre-dose (in case of in vivo)		
Housing conditions: Temperature, Humidity, Light cycle (in case of in vivo)		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

		Mutagenicity test AMES TEST
Food and water consumption changes (in vivo)		
Clinical observations schedule with respect to doses (in vivo)		
Body weight changes (in vivo)		
Clinical pathology if any (in vivo) <i>(cross reference from study report and page no. to be provided)</i>		
Scoring (in vivo)		
Primary endpoints (in vitro) frequency of micronucleated erythrocytes (PCE/NCE or reticulocyte MN) per animal; PCE:NCE ratio for marrow toxicity/ frequency of structural chromosome aberrations per metaphase in bone marrow/ spermatogonial chromosomal		

aberration frequency in testicular metaphases/ others <i>(cross reference from study report and page no. to be provided)</i>		
Primary endpoints (in vitro) revertant colony counts/ number (%) of cells with structural aberrations/ mutant frequency, clonogenicity, expression time, viability/ % micronucleated cells, CBPI or MN frequency, cytotoxicity metric/ others <i>(cross reference from study report and page no. to be provided)</i>		
Statistical tool used for calculation		

4. Result Summary

		Mutagenicity test AMES TEST
Study Conclusion		

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

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4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE

9(3) FI

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Type of Formulation		
In case of formulation, status of technical registration		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from Health Records of Industrial Workers		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. RTT Permit

RTT PERMIT DETAILS						
PERMIT NUMBER	NAME OF THE INSECTICIDE/CHEMICAL	QUANTITY	NAME OF THE IMPORTER	NAME OF THE MANUFACTURER	SOURCE OF PROCUREMENT	PURPOSE OF THE IMPORT

4. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre-dose							
Housing conditions: Temperature,							

Humidity, Light cycle							
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>							
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						

Total No. of Mortality per dose							
Body weight schedule changes (If any)							
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>							
Organs examined							

4. Result Summary

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died						
LD₅₀ / LC₅₀ (GHS Classification)						
Study Conclusion						

ECOTOXICITY STUDIES

1. Test study Information:

Particulars	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						

Ethical consideration (NO.) (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

Particulars	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Species						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Dose of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre-dose where applicable						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>						
Feed analysis statement / certificate (as applicable) (optional)*						

<i>(cross reference from study report and page no. to be provided)</i>						
Acclimatization period and grouping						
Dosing Schedule, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

3. Observations

Particulars	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Result LD50						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes						
Necropsy findings and histopathological findings						

<i>(cross reference from study report and page no. to be provided)</i>							
Organs examined							
Food and feed consumption data <i>(cross reference from study report and page no. to be provided)</i>							
Statistical tool if used							

4. Result Summary

Particulars	Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Number of animals dosed, survived and died						
LD ₅₀						
Study Conclusion						

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

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TOXICOLOGY TEMPLATE

9(3) FIM

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Type of Formulation		
In case of formulation, status of technical registration		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from Health Records of Industrial Workers		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							

Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain						
No. and sex of animals per dose						
Age and Body weight range at dosing						
Doses of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre-dose						
Housing conditions: Temperature, Humidity, Light cycle						
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>						
Feed analysis statement / certificate (as applicable) (optional)						

<i>cross reference from study report and page no. to be provided</i>						
Acclimatization period and grouping						
Dosing Schedule, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.						

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes (If any)						
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>						

Organs examined							

4. Result Summary

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

ECOTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
Ethical consideration (NO.) (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (yes/no)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Species							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Dose of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre- dose where applicable							
Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>							
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							

Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Result LD50							
Clinical observations schedule with respect to doses							
Nature and severity of the toxicity signs (if any)							
Time course of onset and Duration of the toxicity effect (if any)							
Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							
Body weight schedule changes							
Necropsy findings and histopathological findings (cross reference from study report and page no. to be provided)							
Organs examined							
Food and feed consumption data (cross reference from study report and page no. to be provided)							

Statistical tool if used						

4. Result Summary

Particulars		Acute Avian toxicity	Repeated dose avian toxicity	Avian reproductive toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Number of animals dosed, survived and died							
LD ₅₀							
Study Conclusion							

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

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TOXICOLOGY TEMPLATE-Botanicals

9(3b) TI and TIM

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Manufacturing address		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from Health Records of Industrial Workers		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. RTT Permit (If applicable)

RTT PERMIT DETAILS						
PERMIT NUMBER	NAME OF THE INSECTICIDE/CHEMICAL	QUANTITY	NAME OF THE IMPORTER	NAME OF THE MANUFACTURER	SOURCE OF PROCUREMENT	PURPOSE OF THE IMPORT

5. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre-dose							
Housing conditions: Temperature,							

Humidity, Light cycle							
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>							
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						

Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							
Body weight schedule changes (If any)							
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>							
Organs examined							

4. Result Summary

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

ECOTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					
Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					

Ethical consideration (NO.) (if available)				
GLP Statement (yes/no)				
Whether the study is done within GLP certificate validity date (yes/no)				
OECD Guideline or others				

2. Study Design/Methodology

Particulars		Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Species					
No. and sex of animals per dose					
Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose where applicable					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>					
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					

Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.				

3. Observations

Particulars	Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Result LD50				
Clinical observations schedule with respect to doses				
Nature and severity of the toxicity signs (if any)				
Time course of onset and Duration of the toxicity effect (if any)				
Date and time of death, if before scheduled sacrifice				
Total No. of Mortality per dose				
Body weight schedule changes				
Necropsy findings and histopathological findings (cross reference from study report and page no. to be provided)				
Organs examined				
Food and feed consumption data (cross reference from study report and page no. to be provided)				
Statistical tool if used				

4. Result Summary

Particulars	Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Number of animals dosed, survived and died				

LD₅₀					
Study Conclusion					

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

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4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE-Botanicals

9(3b) FIM

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Type of Formulation		
In case of formulation, status of technical registration		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from Health Records of Industrial Workers		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							

Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre-dose							
Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>							
Feed analysis statement / certificate (as applicable) (optional)							

<i>cross reference from study report and page no. to be provided</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes (If any)						
Necropsy findings and histopathological findings <i>cross reference from study report and</i>						

<i>page no. to be provided</i>							
Organs examined							

4. Result Summary

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

ECOTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					
Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					
Ethical consideration (NO.) (if available)					
GLP Statement (yes/no)					
Whether the study is done within GLP certificate validity date (yes/no)					
OECD Guideline or others					

2. Study Design/Methodology

Particulars		Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Species					
No. and sex of animals per dose					
Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose where applicable					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>					
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

3. Observations

Particulars		Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm

Result LD50				
Clinical observations schedule with respect to doses				
Nature and severity of the toxicity signs (if any)				
Time course of onset and Duration of the toxicity effect (if any)				
Date and time of death, if before scheduled sacrifice				
Total No. of Mortality per dose				
Body weight schedule changes				
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>				
Organs examined				
Food and feed consumption data <i>(cross reference from study report and page no. to be provided)</i>				
Statistical tool if used				

4. Result Summary

Particulars	Acute Avian toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Number of animals dosed, survived and died				
LD₅₀				
Study Conclusion				

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.

2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE-Botanicals

9(3) TI/TIM

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Manufacturing address		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from Health Records of Industrial Workers		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. RTT Permit (If applicable)

RTT PERMIT DETAILS						
PERMIT NUMBER	NAME OF THE INSECTICIDE/CHEMICAL	QUANTITY	NAME OF THE IMPORTER	NAME OF THE MANUFACTURER	SOURCE OF PROCUREMENT	PURPOSE OF THE IMPORT

6. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre-dose							
Housing conditions: Temperature,							

Humidity, Light cycle							
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>							
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀							
Clinical observations schedule with respect to doses							
Nature and severity of the toxicity signs (if any)							
Time course of onset and Duration of the toxicity effect (if any)							
Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							

Body weight schedule changes (If any)						
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>						
Organs examined						

4. Result Summary

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died						
LD ₅₀ / LC ₅₀ (GHS Classification)						
Study Conclusion						

SHORT-TERM REPEATED DOSE TOXICITY STUDIES

1. Test study Information:

	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-dog	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					
Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					
IAEC No. (if available)					
GLP Statement (yes/no)					
Whether the study is done within GLP certificate validity date (yes/no)					

OECD Guideline or others					

2. Study Design/Methodology

Particulars	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-dog	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Species/Strain					
No. and sex of animals per dose					
Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>					
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Repeated dose 28- day oral toxicity- Rodent	Repeated dose 90- day oral toxicity- Rodent	Repeated dose 90-day oral toxicity- dog	Repeated dose 21 / 28- day dermal toxicity	Repeated dose 28-day inhalational toxicity
NOAEL/ NOAEC/LOAEC						
Food and water consumption changes						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight changes						
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>						
Neurobehavioral assessment report <i>(cross reference from study report and page no. to be provided)</i>						
Clinical pathology - Hematology - Biochemistry - Urinalysis <i>(cross reference from study report and page no. to be provided)</i>						
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>						
Organs examined						

organ weight changes and organ/body weight ratios						
Statistical tool used for calculation						

4. Result Summary

Particulars		Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-dog	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Number of animals dosed, survived and died						
Study Conclusion						

NEUROTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity-OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						

Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

Particulars	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Species/Strain					
No. and sex of animals per dose					
Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>					
Feed analysis statement /					

certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity -OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
NOAEL					
Food and water consumption changes (if any)					
Clinical observations schedule with respect to doses					
Nature and severity of the toxicity signs (if any)					
Time course of onset and Duration of the toxicity effect (if any)					

Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight changes						
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>						
Neurobehavioral assessment report <i>(cross reference from study report and page no. to be provided)</i>						
Neuropathological assessment report <i>(cross reference from study report and page no. to be provided)</i>						
Neurochemical assessment report <i>(cross reference from study report and page no. to be provided)</i>						
Electrophysiological assessment report <i>(cross reference from study report and page no. to be provided)</i>						
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>						
Necropsy findings and histopathological findings of brain <i>(cross reference from study report and</i>						

page no. to be provided)						
Statistical tool if used						

4. Result Summary

Particulars	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Number of animals dosed, survived and died					
Study Conclusion					

LONG-TERM TOXICITY STUDIES

1. Test study Information:

Particulars	Carcinogenicity/chronic toxicity/combined toxicity study
Study Report No.	
Sponsor (Name and Address)	
Source (Name and Address)	
Study initiation Date	
Study completion Date	
Batch No.	
Purity	
CoA attached (Yes/No)	
IAEC No. (if available)	
GLP Statement (yes/no)	
Whether the study is done within GLP certificate validity date (yes/no)	
OECD Guideline or others	

2. Study Design/Methodology

Particulars		Carcinogenicity/chronic toxicity/combined toxicity study
Species/Strain		
No. and sex of animals per dose		
Age and Body weight range at dosing		
Dose of test chemical		
Vehicle used		
Route of administration		
Fasting conditions (Duration) pre-dose		
Housing conditions: Temperature, Humidity, Light cycle		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or		

cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Carcinogenicity/chronic toxicity/combined toxicity study
NOAEL/LOAEL		
Food and water consumption changes		
Clinical observations schedule with respect to doses		
Nature and severity of the toxicity signs (if any)		
Time course of onset and Duration of the toxicity effect (if any)		
Date and time of death, if before scheduled sacrifice		
Total No. of Mortality per dose		
Body weight changes		
Ophthalmological examination report (cross reference from study report and page no. to be provided)		
Clinical pathology - Hematology - Biochemistry - Urinalysis (cross reference from study report and page no. to be provided)		
Necropsy findings - Terminal body weight - Organ weights and their ratios, if applicable - Necropsy findings - Incidence and severity of abnormalities (cross reference from study report and page no. to be provided)		

Histopathological findings • Non neoplastic histopathological findings • Neoplastic histopathological findings • Correlation between gross and microscopic findings • Detailed description of all treatment-related histopathological findings including severity gradings • Report of any peer review of slides; <i>(cross reference from study report and page no. to be provided)</i>		
Organs examined		
Statistical tool used for calculation		
Dose-Response relationship		

4. Result Summary

Particulars		Carcinogenicity/chronic toxicity/combined toxicity study
Number of animals dosed, survived and died		
Study Conclusion		

DEVELOPMENTAL & REPRODUCTION TOXICITY STUDIES

1. Test study Information:

Particulars		TERATOGENECITY STUDY	REPRODUCTIVE TOXICITY
Study Report No.			
Sponsor (Name and Address)			
Source (Name and Address)			
Study initiation Date			
Study completion Date			
Batch No.			

Purity			
CoA attached (Yes/No)			
IAEC No. (if available)			
GLP Statement (yes/no)			
Whether the study is done within GLP certificate validity date (yes/no)			
OECD Guideline or others			

2. Study Design/Methodology

Particulars		TERATOGENECITY STUDY	REPRODUCTIVE TOXICITY
Species/Strain			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			
Fasting conditions (Duration) pre-dose			
Housing conditions: Temperature, Humidity, Light cycle			
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>			
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>			
Acclimatization period and grouping			

Dosing Schedule, Duration of the study			
Rationale for dose selection			
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.			

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		TERATOGENECITY STUDY	REPRODUCTIVE TOXICITY
NOAEL/LOAEL			
Food, water and test material consumption changes (if any)			
Number of animals at study start, number surviving to termination.			
Number of confirmed pregnancies, abortions, and early deliveries.			
Day and cause of death (if any); survival status to scheduled sacrifice.			
Data from non-surviving animals reported separately (excluded from inter-group statistics). (cross reference from study report and page no. to be provided)			
Day of onset, duration, and progression of abnormal clinical signs.			
Daily clinical observations (cross reference from study report and page no. to be provided)		Maternal toxicity (posture, respiration, activity, appearance).	Nature, Severity, Duration of Clinical Signs and Mortality
Body weight changes and growth		body weight change, and gravid uterine weight; Optionally, body weight change corrected for gravid uterine weight.	Body weight data and changes including litter and pub at birth and during lactation. Body weight at sacrifice

<i>(cross reference from study report and page no. to be provided)</i>		
Consumption and Hormonal Data <i>(cross reference from study report and page no. to be provided)</i>	T4, T3, and TSH levels (and other hormones if measured). Details of hormone kits/antibodies used, assay method, and laboratory historical control data (mean $\pm$ SD).	
Reproductive Indices/ Reproductive Performance and Fertility Indices <i>(additionally cross reference from study report and page no. to be provided)</i>	• Number of corpora lutea (ovulation count). • Number of implantation sites per dam. • Number and percentage of live and dead fetuses. • Number and percentage of resorptions (early and late). • Pre-implantation loss (%) = $(\text{Corpora lutea} - \text{Implantations}) / \text{Corpora lutea} \times 100$ • Post-implantation loss (%) = $(\text{Implantations} - \text{Live fetuses}) / \text{Implantations} \times 100$	• Toxic Responses by Sex and Dose • Number of Animals Used • Toxic or Other Effects on Reproduction • Time-to-Mating • Gestation Length • Estrous Cycle Data • Sperm Parameters: Total cauda epididymal sperm count, Percent progressively motile sperm, Percent morphologically normal sperm, Percent of sperm with identified abnormalities
Fetal Viability and Growth • Number and percentage of live fetuses per litter. • Sex ratio (males/females per litter). • Fetal body weight, reported by sex and combined mean. <i>(additionally cross reference from study report and page no. to be provided)</i>		
Abnormalities and Categorisation/ Developmental Landmarks <i>(additionally cross reference from study report and page no. to be provided)</i>	• Criteria for classification of findings (malformations vs. variations) clearly described. • Record total number and percent of fetuses and litters showing any external, visceral, or skeletal alteration and specific	• Physical Development in Pups: Eye opening, ear unfolding, tooth eruption, etc. (Justify selected landmarks). • Functional Observations: Motor, sensory, or behavioral

		anomalies with their incidence and type.	assessments in pups and adults.
Other critical observations <i>(additionally cross reference from study report and page no. to be provided)</i>		Morphometric and Anatomical Observations - Anogenital distance (AGD) for all fetuses: Measured and statistically evaluated by sex, corrected for fetal body weight. - External, visceral (soft tissue), and skeletal examinations performed for malformations or variations. - Sex-specific Findings- Indicate cases of incomplete testicular descent (cryptorchidism) or other sex-related developmental effects in male fetuses.	Implantation and Offspring Data 12. Number of Implantations and Corpora Lutea 13. Litter Size and Live Births 14. Post-implantation Loss 15. Grossly Visible Abnormalities in Pups 16. Runts: Number if determined.
Necropsy findings <i>(cross reference from study report and page no. to be provided)</i>			
Histopathological findings <i>(cross reference from study report and page no. to be provided)</i>			
Organs examined			
Statistical tool used for calculation			
Dose-Response relationship			

4. Result Summary

Particulars		TERATOGENECITY STUDY	REPRODUCTIVE TOXICITY
Number of animals dosed, survived and died			
Study Conclusion			

PHARMACOKINETICS STUDIES

1. Test study Information:

Particulars		Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
Study Report No.			
Sponsor (Name and Address)			

Source (Name and Address)			
Study initiation Date			
Study completion Date			
Batch No.			
Purity			
CoA attached (Yes/No)			
IAEC No. (if available)			
GLP Statement (yes/no)			
Whether the study is done within GLP certificate validity date (yes/no)			
OECD Guideline or others			

2. Study Design/Methodology

Particulars	Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
Species/Strain		
No. and sex of animals per dose		
Age and Body weight range at dosing		
Dose of test chemical		
Vehicle used		
Route of administration		
Fasting conditions (Duration) pre-dose		
Housing conditions: Temperature, Humidity, Light cycle		
Total radioactivity per animal		
Analytical methods used for separation, quantitation and identification of metabolites		
Feed report (source, restriction)		

<i>(cross reference from study report and page no. to be provided)</i>			
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>			
Acclimatization period and grouping			
Dosing Schedule/ Single Duration of the study			
Rationale for dose selection			
Any other special consideration			
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.			

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
NOAEL/NOAEC/LOAEC		
Food and water consumption changes		
Clinical observations schedule with respect to doses		
Absorption Data: • Rate and extent of absorption by each route of exposure. <i>(additionally cross reference from study report</i>		

<i>and page no. to be provided)</i>			
Tissue Distribution: - Report as % of administered dose and as µg-equivalents per g of tissue. - Include tissue-to-blood and tissue-to-plasma ratios. <i>(additionally cross reference from study report and page no. to be provided)</i>			
Plasma Concentrations & TK Parameters: Bioavailability, AUC, Cmax, Tmax, clearance, and half-life for relevant routes. <i>(additionally cross reference from study report and page no. to be provided)</i>			
Excretion Data: Amounts of parent compound and metabolites in excreta (% of administered dose). <i>(additionally cross reference from study report and page no. to be provided)</i>			
Metabolic pathway <i>(cross reference from study report and page no. to be provided)</i>			
Statistical tool used for calculation			

4. Result Summary

Particulars	Pharmacokinetics and Metabolism in Rat	Feeding study including Metabolism in Livestock (Goat / Cow)/ Poultry (Hen)
Correlation with observed toxicity, dose proportionality, systemic exposure		

Study Conclusion		

MUTAGENECITY STUDIES

1. Test study Information:

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Study Report No.				
Sponsor (Name and Address)				
Source (Name and Address)				
Study initiation Date				
Study completion Date				
Batch No.				
Purity				
CoA attached (Yes/No)				
IAEC No. (in case of in vivo studies) (if available)				
GLP Statement (yes/no)				
Whether the study is done within GLP certificate validity date (yes/no)				
OECD Guideline or others				

2. Study Design/Methodology

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Species/Strain				
No. and sex of animals per dose (in case of in vivo)				
Age and Body weight range at dosing (in case of in vivo)				
Concentration/ Dose of test chemical				
Vehicle used				
Route of administration (in case of in vivo)				
Fasting conditions (Duration) pre-dose (in case of in vivo)				

Housing conditions: Temperature, Humidity, Light cycle (in case of in vivo)					
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>					
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Food and water consumption changes (in vivo)				
Clinical observations schedule with respect to doses (in vivo)				
Body weight changes (in vivo)				
Clinical pathology if any (in vivo) <i>(cross reference from study report and page no. to be provided)</i>				
Scoring (in vivo)				
Primary endpoints (in vitro) frequency of micronucleated				

erythrocytes (PCE/NCE or reticulocyte MN) per animal; PCE:NCE ratio for marrow toxicity/ frequency of structural chromosome aberrations per metaphase in bone marrow/ spermatogonial chromosomal aberration frequency in testicular metaphases/ others <i>(cross reference from study report and page no. to be provided)</i>				
Primary endpoints (in vitro) revertant colony counts/ number (%) of cells with structural aberrations/ mutant frequency, clonogenicity, expression time, viability/ % micronucleated cells, CBPI or MN frequency, cytotoxicity metric/ others <i>(cross reference from study report and page no. to be provided)</i>				
Statistical tool used for calculation				

4. Result Summary

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Study Conclusion				

ECOTOXICITY STUDIES

1. Test study Information:

Particulars	Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.				
Sponsor (Name and Address)				
Source (Name and Address)				
Study initiation Date				

Study completion Date				
Batch No.				
Purity				
CoA attached (Yes/No)				
Ethical consideration (NO.) (if available)				
GLP Statement (yes/no)				
Whether the study is done within GLP certificate validity date (yes/no)				
OECD Guideline or others				

2. Study Design/Methodology

Particulars		Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Species					
No. and sex of animals per dose					
Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose where applicable					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>					
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>					

Acclimatization period and grouping				
Dosing Schedule, Duration of the study				
Rationale for dose selection				
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.				

3. Observations

Particulars	Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Result LD50				
Clinical observations schedule with respect to doses				
Nature and severity of the toxicity signs (if any)				
Time course of onset and Duration of the toxicity effect (if any)				
Date and time of death, if before scheduled sacrifice				
Total No. of Mortality per dose				
Body weight schedule changes				
Necropsy findings and histopathological findings (cross reference from study report and page no. to be provided)				
Organs examined				
Food and feed consumption data (cross reference from study report and page no. to be provided)				
Statistical tool if used				

4. Result Summary

Particulars		Acute Avian toxicity	Acute toxicity- fish	Acute toxicity- Honeybee (oral and contact)	Acute toxicity- Earthworm
Number of animals dosed, survived and died					
LD ₅₀					
Study Conclusion					

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.
2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE-Botanicals

9(3) FI/FIM

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Type of Formulation		
In case of formulation, status of technical registration		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Residue tolerance limit fixed by foreign countries		
Medical data <i>cross reference from study report and page no. to be provided</i>		
Summary Report Derived from Health Records of Industrial Workers		
Summary Report Derived from International report on Carcinogenicity / Genotoxicity (if available)		

2. RTT Permit (if applicable)

RTT PERMIT DETAILS						
PERMIT NUMBER	NAME OF THE INSECTICIDE/CHEMICAL	QUANTITY	NAME OF THE IMPORTER	NAME OF THE MANUFACTURER	SOURCE OF PROCUREMENT	PURPOSE OF THE IMPORT

3. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre-dose							

Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>cross reference from</i> <i>study report and</i> <i>page no. to be</i> <i>provided</i>							
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from</i> <i>study report and</i> <i>page no. to be</i> <i>provided</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD₅₀ / LC₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						

Date and time of death, if before scheduled sacrifice							
Total No. of Mortality per dose							
Body weight schedule changes (If any)							
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>							
Organs examined							

4. Result Summary

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

ECOTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					
Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					

Ethical consideration (NO.) (if available)				
GLP Statement (yes/no)				
Whether the study is done within GLP certificate validity date (yes/no)				
OECD Guideline or others				

2. Study Design/Methodology

Particulars	Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Species				
No. and sex of animals per dose				
Age and Body weight range at dosing				
Dose of test chemical				
Vehicle used				
Route of administration				
Fasting conditions (Duration) pre-dose where applicable				
Housing conditions: Temperature, Humidity, Light cycle				
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>				
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>				
Acclimatization period and grouping				
Dosing Schedule, Duration of the study				
Rationale for dose selection				

Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.				

3. Observations

Particulars	Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Result LD50				
Clinical observations schedule with respect to doses				
Nature and severity of the toxicity signs (if any)				
Time course of onset and Duration of the toxicity effect (if any)				
Date and time of death, if before scheduled sacrifice				
Total No. of Mortality per dose				
Body weight schedule changes				
Necropsy findings and histopathological findings (cross reference from study report and page no. to be provided)				
Organs examined				
Food and feed consumption data (cross reference from study report and page no. to be provided)				
Statistical tool if used				

4. Result Summary

Particulars	Acute Avian toxicity	Acute toxicity-fish	Acute toxicity-Honeybee (oral and contact)	Acute toxicity-Earthworm
Number of animals dosed, survived and died				

LD ₅₀					
Study Conclusion					

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.
2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE
Registration of Biopesticides u/s 9(3)

1. General Information:

Test chemical Name/ strain/Accession number/Application no.	
Purpose	
Specify the status of the chemical listed in the schedule	
Global status with respect to Ban/restriction/withdrawn and reasons thereof	

2. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	SAFETY PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars	Single dose oral rat	Single dose Dermal rabbit	Acute inhalational	Single dose pulmonary rat	Single dose intraperitoneal rat	Single dose intravenous	Primary skin irritation-Rabbit	Primary eye irritation-Rabbit	Skin sensitization-Guinea Pig
Study Report No.									
Sponsor (Name and Address)									
Source (Name and Address)									
Study initiation Date									
Study completion Date									
Batch No.									
Purity									

CoA attached (Yes/No)									
ETHICAL CONSIDERATION (NO.) (if available)									
OECD Guideline or others									

3. Study Design/Methodology:

Particulars	Single dose oral rat	Single dose Dermal rabbit	Acute inhalational	Single dose pulmonary rat	Single dose intraperitoneal rat	Single dose intravenous	Primary skin irritation-Rabbit	Primary eye irritation-Rabbit	Skin sensitization-Guinea Pig
Species/Strain									
No. and sex of animals per dose									
Age and Body weight range at dosing									
Dose of test chemical									
Vehicle used									
Route of administration									
Fasting conditions (Duration) pre-dose									
Housing conditions: Temperature, Humidity, Light cycle									
Feed report									

(source, restriction) <i>cross reference from study report and page no. to be provided</i>									
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>									
Acclimatization period and grouping									
Dosing Schedule, Duration of the study									
Rationale for dose selection									
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.									

4. Observations:

Particulars	Single dose oral rat	Single dose Dermal rabbit	Acute inhalational	Single dose pulmonary rat	Single dose intraperitoneal rat	Single dose intravenous	Primary skin irritation-Rabbit	Primary eye irritation-Rabbit	Skin sensitization-Guinea Pig
Result LD ₅₀									
Clinical observations schedule with respect to doses									
Nature and severity of the toxicity signs (if any)									
Time course of onset and Duration of the toxicity effect (if any)									
Date and time of death, if before scheduled sacrifice									
Total No. of Mortality per dose									
Body weight schedule changes									
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>									
Organs examined									

5. Result Summary:

Particulars	Single dose oral rat	Single dose Dermal rabbit	Acute inhalation	Single dose pulmonary rat	Single dose intraperitoneal rat	Single dose intravenous	Primary skin irritation-Rabbit	Primary eye irritation-Rabbit	Skin sensitization-Guinea Pig
Study Conclusion									

ECOTOXICITY STUDIES

1. Test study Information:

	Acute Avian toxicity	Acute toxicity-fish	Acute oral toxicity-Honeybee	Acute contact toxicity-Honeybee	Toxicity to silkworm	Acute toxicity-Earthworm
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
Ethical consideration (NO.)						
GLP certificate validity date						
OECD Guideline or others						

2. Study Design/Methodology

	Acute Avian toxicity	Acute toxicity-fish	Acute oral toxicity-Honeybee	Acute contact toxicity-Honeybee	Toxicity to silkworm	Acute toxicity-Earthworm
Species						

No. and sex of animals per dose						
Age and Body weight range at dosing						
Dose of test chemical						
Vehicle used						
Route of administration						
Fasting conditions (Duration) pre-dose where applicable						
Housing conditions: Temperature, Humidity, Light cycle						
Diet and water report (source, restriction)						
Feed analysis certificate						
Acclimatization period and grouping						
Dosing Schedule/ Single or repeated, Duration of the study						
Rationale for dose selection						
Any deviation from protocol or amendments						

3. Observations

	Acute Avian toxicity	Acute toxicity-fish	Acute oral toxicity-Honeybee	Acute contact toxicity-Honeybee	Toxicity to silkworm	Acute toxicity-Earthworm
Result LD ₅₀						
Clinical observations schedule with respect to doses						

Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes						
Necropsy findings and histopathological findings						
Organs examined						
Food and feed consumption data						
Statistical tool if used						

4. Result Summary

	Acute Avian toxicity	Acute toxicity-fish	Acute oral toxicity-Honeybee	Acute contact toxicity-Honeybee	Toxicity to silkworm	Acute toxicity-Earthworm
Study Conclusion						

REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

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4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE- Pheromones/ Semio-chemicals**9(3b)****1. General Information:**

Test chemical Name		
Specify the status of the chemical listed in the schedule		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		

2. RTT Permit (If applicable)

RTT PERMIT DETAILS						
PERMIT NUMBER	NAME OF THE INSECTICIDE/CHEMICAL	QUANTITY	NAME OF THE IMPORTER	NAME OF THE MANUFACTURER	SOURCE OF PROCUREMENT	PURPOSE OF THE IMPORT

3. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES**1. Test study Information:**

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							

IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre-dose							
Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>							
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>							
Acclimatization period and grouping							

Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD ₅₀ / LC ₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes (If any)						
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>						
Organs examined						

4. Result Summary

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

TERATOGENECITY STUDY

1. Test study Information:

Particulars		TERATOGENECITY STUDY
Study Report No.		
Sponsor (Name and Address)		
Source (Name and Address)		
Study initiation Date		
Study completion Date		
Batch No.		
Purity		
CoA attached (Yes/No)		
IAEC No. (if available)		
GLP Statement (yes/no)		
Whether the study is done within GLP certificate validity date (yes/no)		
OECD Guideline or others		

2. Study Design/Methodology

Particulars		TERATOGENECITY STUDY
Species/Strain		
No. and sex of animals per dose		
Age and Body weight range at dosing		

Dose of test chemical		
Vehicle used		
Route of administration		
Fasting conditions (Duration) pre-dose		
Housing conditions: Temperature, Humidity, Light cycle		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		TERATOGENECITY STUDY

NOAEL/LOAEL	
Food, water and test material consumption changes (if any)	
Number of animals at study start, number surviving to termination.	
Number of confirmed pregnancies, abortions, and early deliveries.	
Day and cause of death (if any); survival status to scheduled sacrifice.	
Data from non-surviving animals reported separately (excluded from inter-group statistics). <i>(cross reference from study report and page no. to be provided)</i>	
Day of onset, duration, and progression of abnormal clinical signs.	
Daily clinical observations <i>(cross reference from study report and page no. to be provided)</i>	Maternal toxicity (posture, respiration, activity, appearance).
Body weight changes and growth <i>(cross reference from study report and page no. to be provided)</i>	body weight change, and gravid uterine weight; Optionally, body weight change corrected for gravid uterine weight.
Consumption and Hormonal Data <i>(cross reference from study report and page no. to be provided)</i>	T4, T3, and TSH levels (and other hormones if measured). Details of hormone kits/antibodies used, assay method, and laboratory historical control data (mean ± SD).
Reproductive Indices/ Reproductive Performance and Fertility Indices <i>(additionally cross reference from study report and page no. to be provided)</i>	• Number of corpora lutea (ovulation count). • Number of implantation sites per dam. • Number and percentage of live and dead fetuses. • Number and percentage of resorptions (early and late). • Pre-implantation loss (%) = (Corpora lutea – Implantations) / Corpora lutea × 100 • Post-implantation loss (%) = (Implantations – Live fetuses) / Implantations × 100
Fetal Viability and Growth	

• Number and percentage of live fetuses per litter. • Sex ratio (males/females per litter). • Fetal body weight, reported by sex and combined mean. <i>(additionally cross reference from study report and page no. to be provided)</i>	
Abnormalities and Categorisation/ Developmental Landmarks <i>(additionally cross reference from study report and page no. to be provided)</i>	• Criteria for classification of findings (malformations vs. variations) clearly described. • Record total number and percent of fetuses and litters showing any external, visceral, or skeletal alteration and specific anomalies with their incidence and type.
Other critical observations <i>(additionally cross reference from study report and page no. to be provided)</i>	Morphometric and Anatomical Observations • Anogenital distance (AGD) for all fetuses: Measured and statistically evaluated by sex, corrected for fetal body weight. • External, visceral (soft tissue), and skeletal examinations performed for malformations or variations. • Sex-specific Findings- Indicate cases of incomplete testicular descent (cryptorchidism) or other sex-related developmental effects in male fetuses.
Necropsy findings <i>(cross reference from study report and page no. to be provided)</i>	
Histopathological findings <i>(cross reference from study report and page no. to be provided)</i>	
Organs examined	
Statistical tool used for calculation	
Dose-Response relationship	

4. Result Summary

Particulars	TERATOGENECITY STUDY
Number of animals dosed, survived and died	
Study Conclusion	

MUTAGENECITY STUDIES

1. Test study Information:

Particulars		Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Study Report No.					
Sponsor (Name and Address)					
Source (Name and Address)					
Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					
IAEC No. (in case of in vivo studies) (if available)					
GLP Statement (yes/no)					
Whether the study is done within GLP certificate validity date (yes/no)					
OECD Guideline or others					

2. Study Design/Methodology

Particulars		Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Species/Strain					
No. and sex of animals per dose (in case of in vivo)					
Age and Body weight range at dosing (in case of in vivo)					
Concentration/ Dose of test chemical					
Vehicle used					
Route of administration (in case of in vivo)					
Fasting conditions (Duration) pre-dose (in case of in vivo)					
Housing conditions: Temperature, Humidity,					

Light cycle (in case of in vivo)					
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>					
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Food and water consumption changes (in vivo)				
Clinical observations schedule with respect to doses (in vivo)				
Body weight changes (in vivo)				
Clinical pathology if any (in vivo) <i>(cross reference from study report and page no. to be provided)</i>				
Scoring (in vivo)				
Primary endpoints (in vitro) frequency of micronucleated erythrocytes (PCE/NCE or reticulocyte MN) per				

animal; PCE:NCE ratio for marrow toxicity/ frequency of structural chromosome aberrations per metaphase in bone marrow/ spermatogonial chromosomal aberration frequency in testicular metaphases/ others <i>(cross reference from study report and page no. to be provided)</i>				
Primary endpoints (in vitro) revertant colony counts/ number (%) of cells with structural aberrations/ mutant frequency, clonogenicity, expression time, viability/ % micronucleated cells, CBPI or MN frequency, cytotoxicity metric/ others <i>(cross reference from study report and page no. to be provided)</i>				
Statistical tool used for calculation				

4. Result Summary

Particulars	Mutagenicity test AMES TEST	Mutagenicity test <i>(In Vitro)</i>	Mutagenicity test <i>(In Vitro)</i>	Mutagenicity test <i>(In Vivo)</i>
Study Conclusion				

IMMUNOTOXICITY STUDY

1. Test study Information:

Particulars	Cellular immune response
Study Report No.	
Sponsor (Name and Address)	
Source (Name and Address)	
Study initiation Date	
Study completion Date	
Batch No.	

Purity		
CoA attached (Yes/No)		
IAEC No. (if available)		
GLP Statement (yes/no)		
Whether the study is done within GLP certificate validity date (yes/no)		
OECD Guideline or others		

2. Study Design/Methodology

Particulars		Cellular immune response
Species/Strain		
No. and sex of animals per dose		
Age and Body weight range at dosing		
Dose of test chemical		
Vehicle used		
Route of administration		
Fasting conditions (Duration) pre- dose		
Housing conditions: Temperature, Humidity, Light cycle		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report</i>		

<i>and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Cellular immune response
NOAEL/BMC/NOAEC/LOAEC/BALF		
Food and water consumption changes (if any)		
Clinical observations schedule with respect to doses		
Nature and severity of the toxicity signs (if any)		
Time course of onset and Duration of the toxicity effect (if any)		
Body weight changes		
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>		
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>		
Lymphoid Organs examined and weights <i>(cross reference from study report and page no. to be provided)</i>		

Phenotyping (cross reference from study report and page no. to be provided)		
Primary Functional test (TDAR) (cross reference from study report and page no. to be provided)		
Secondary functional Test Report (cross reference from study report and page no. to be provided)		
Statistical tool used for calculation		

4. Result Summary

Particulars		Cellular immune response
Number of animals dosed, survived and died		
Study Conclusion		

ECOTOXICITY STUDIES

1. Test study Information:

Particulars		Acute Avian toxicity	Acute toxicity-fish
Study Report No.			
Sponsor (Name and Address)			
Source (Name and Address)			
Study initiation Date			
Study completion Date			
Batch No.			
Purity			
CoA attached (Yes/No)			
Ethical consideration (NO.) (if available)			
GLP Statement (yes/no)			
Whether the study is done within GLP certificate validity date (yes/no)			
OECD Guideline or others			

2. Study Design/Methodology

Particulars		Acute Avian toxicity	Acute toxicity-fish
Species			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			
Fasting conditions (Duration) pre-dose where applicable			
Housing conditions: Temperature, Humidity, Light cycle			
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>			
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>			
Acclimatization period and grouping			
Dosing Schedule, Duration of the study			
Rationale for dose selection			
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.			

3. Observations

Particulars		Acute Avian toxicity	Acute toxicity-fish
Result LD50			
Clinical observations schedule with respect to doses			
Nature and severity of the toxicity signs (if any)			
Time course of onset and Duration of the toxicity effect (if any)			
Date and time of death, if before scheduled sacrifice			
Total No. of Mortality per dose			
Body weight schedule changes			
Necropsy findings and histopathological findings (cross reference from study report and page no. to be provided)			
Organs examined			
Food and feed consumption data (cross reference from study report and page no. to be provided)			
Statistical tool if used			

4. Result Summary

Particulars		Acute Avian toxicity	Acute toxicity-fish
Number of animals dosed, survived and died			
LD ₅₀			
Study Conclusion			

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

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6. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
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8. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE-Pheromones/ Semio-chemicals

9(3)

1. General Information:

Test chemical Name		
Specify the status of the chemical listed in the schedule		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		

2. RTT Permit (If applicable)

RTT PERMIT DETAILS						
PERMIT NUMBER	NAME OF THE INSECTICIDE/CHEMICAL	QUANTITY	NAME OF THE IMPORTER	NAME OF THE MANUFACTURER	SOURCE OF PROCUREMENT	PURPOSE OF THE IMPORT

4. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							

IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

3. Study Design/Methodology

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre-dose							
Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>							
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>							
Acclimatization period and grouping							

Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.							

3. Observations

Particulars	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD ₅₀ / LC ₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes (If any)						
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>						
Organs examined						

4. Result Summary

Particulars		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died							
LD ₅₀ / LC ₅₀ (GHS Classification)							
Study Conclusion							

SHORT-TERM REPEATED DOSE TOXICITY STUDIES (IF APPLICABLE)

1. Test study Information:

		Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

Particulars		Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
Species/Strain						

No. and sex of animals per dose					
Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>					
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity
NOAEL/ NOAEC/LOAEC					
Food and water consumption changes					

Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight changes						
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>						
Neurobehavioral assessment report <i>(cross reference from study report and page no. to be provided)</i>						
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>						
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>						
Organs examined						
organ weight changes and organ/body weight ratios						
Statistical tool used for calculation						

4. Result Summary

Particulars	Repeated dose 28-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Rodent	Repeated dose 90-day oral toxicity-Non rodent	Repeated dose 21 / 28-day dermal toxicity	Repeated dose 28-day inhalational toxicity

Number of animals dosed, survived and died					
Study Conclusion					

NEUROTOXICITY STUDIES (IF APPLICABLE)

1. Test study Information:

Particulars		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Study Report No.						
Sponsor (Name and Address)						
Source (Name and Address)						
Study initiation Date						
Study completion Date						
Batch No.						
Purity						
CoA attached (Yes/No)						
IAEC No. (if available)						
GLP Statement (yes/no)						
Whether the study is done within GLP certificate validity date (yes/no)						
OECD Guideline or others						

2. Study Design/Methodology

Particulars	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Species/Strain					
No. and sex of animals per dose					
Age and Body weight range at dosing					
Dose of test chemical					
Vehicle used					
Route of administration					
Fasting conditions (Duration) pre-dose					
Housing conditions: Temperature, Humidity, Light cycle					
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>					
Feed analysis statement / certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule,					

Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity -OP compound (acute exposure)	Delayed neurotoxicity-OP compound (Repeated administration)	Developmental Neurotoxicity study
NOAEL					
Food and water consumption changes (if any)					
Clinical observations schedule with respect to doses					
Nature and severity of the toxicity signs (if any)					
Time course of onset and Duration of the toxicity effect (if any)					
Date and time of death, if before scheduled sacrifice					
Total No. of Mortality per dose					
Body weight changes					
Ophthalmological examination report (cross reference from study report and page no. to be provided)					

Neurobehavioral assessment report (cross reference from study report and page no. to be provided)						
Neuropathological assessment report (cross reference from study report and page no. to be provided)						
Neurochemical assessment report (cross reference from study report and page no. to be provided)						
Electrophysiological assessment report (cross reference from study report and page no. to be provided)						
Clinical pathology • Hematology • Biochemistry • Urinalysis (cross reference from study report and page no. to be provided)						
Necropsy findings and histopathological findings of brain (cross reference from study report and page no. to be provided)						
Statistical tool if used						

4. Result Summary

Particulars		Acute Neurotoxicity	Repeated dose Neurotoxicity	Delayed neurotoxicity- OP compound (acute exposure)	Delayed neurotoxicity- OP compound (Repeated administration)	Developmental Neurotoxicity study
Number of animals						

dosed, survived and died						
Study Conclusion						

DEVELOPMENTAL & REPRODUCTION TOXICITY STUDIES (IF APPLICABLE)

1. Test study Information:

Particulars		TERATOGENECITY STUDY	REPRODUCTIVE TOXICITY If applicable
Study Report No.			
Sponsor (Name and Address)			
Source (Name and Address)			
Study initiation Date			
Study completion Date			
Batch No.			
Purity			
CoA attached (Yes/No)			
IAEC No. (if available)			
GLP Statement (yes/no)			
Whether the study is done within GLP certificate validity date (yes/no)			
OECD Guideline or others			

2. Study Design/Methodology

Particulars		TERATOGENECITY STUDY	REPRODUCTIVE TOXICITY If applicable
Species/Strain			
No. and sex of animals per dose			
Age and Body weight range at dosing			
Dose of test chemical			
Vehicle used			
Route of administration			

Fasting conditions (Duration) pre-dose			
Housing conditions: Temperature, Humidity, Light cycle			
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>			
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>			
Acclimatization period and grouping			
Dosing Schedule, Duration of the study			
Rationale for dose selection			
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.			

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		TERATOGENECITY STUDY	REPRODUCTIVE TOXICITY If applicable
NOAEL/LOAEL			
Food, water and test material consumption changes (if any)			
Number of animals at study start, number surviving to termination.			
Number of confirmed pregnancies, abortions, and early deliveries.			

Day and cause of death (if any); survival status to scheduled sacrifice.		
Data from non-surviving animals reported separately (excluded from inter-group statistics). <i>(cross reference from study report and page no. to be provided)</i>		
Day of onset, duration, and progression of abnormal clinical signs.		
Daily clinical observations <i>(cross reference from study report and page no. to be provided)</i>	Maternal toxicity (posture, respiration, activity, appearance).	Nature, Severity, Duration of Clinical Signs and Mortality
Body weight changes and growth <i>(cross reference from study report and page no. to be provided)</i>	body weight change, and gravid uterine weight; Optionally, body weight change corrected for gravid uterine weight.	Body weight data and changes including litter and pub at birth and during lactation. Body weight at sacrifice
Consumption and Hormonal Data <i>(cross reference from study report and page no. to be provided)</i>	T4, T3, and TSH levels (and other hormones if measured). Details of hormone kits/antibodies used, assay method, and laboratory historical control data (mean ± SD).	
Reproductive Indices/ Reproductive Performance and Fertility Indices <i>(additionally cross reference from study report and page no. to be provided)</i>	• Number of corpora lutea (ovulation count). • Number of implantation sites per dam. • Number and percentage of live and dead fetuses. • Number and percentage of resorptions (early and late). • Pre-implantation loss (%) = $(\text{Corpora lutea} - \text{Implantations}) / \text{Corpora lutea} \times 100$ • Post-implantation loss (%) = $(\text{Implantations} - \text{Live fetuses}) / \text{Implantations} \times 100$	• Toxic Responses by Sex and Dose • Number of Animals Used • Toxic or Other Effects on Reproduction • Time-to-Mating • Gestation Length • Estrous Cycle Data • Sperm Parameters: Total cauda epididymal sperm count, Percent progressively motile sperm, Percent morphologically normal sperm, Percent of sperm with identified abnormalities
Fetal Viability and Growth		

• Number and percentage of live fetuses per litter. • Sex ratio (males/females per litter). • Fetal body weight, reported by sex and combined mean. <i>(additionally cross reference from study report and page no. to be provided)</i>		
Abnormalities and Categorisation/ Developmental Landmarks <i>(additionally cross reference from study report and page no. to be provided)</i>	• Criteria for classification of findings (malformations vs. variations) clearly described. • Record total number and percent of fetuses and litters showing any external, visceral, or skeletal alteration and specific anomalies with their incidence and type.	• Physical Development in Pups: Eye opening, ear unfolding, tooth eruption, etc. (Justify selected landmarks). • Functional Observations: Motor, sensory, or behavioral assessments in pups and adults.
Other critical observations <i>(additionally cross reference from study report and page no. to be provided)</i>	Morphometric and Anatomical Observations • Anogenital distance (AGD) for all fetuses: Measured and statistically evaluated by sex, corrected for fetal body weight. • External, visceral (soft tissue), and skeletal examinations performed for malformations or variations. • Sex-specific Findings- Indicate cases of incomplete testicular descent (cryptorchidism) or other sex-related developmental effects in male fetuses.	Implantation and Offspring Data 17. Number of Implantations and Corpora Lutea 18. Litter Size and Live Births 19. Post-implantation Loss 20. Grossly Visible Abnormalities in Pups 21. Runts: Number if determined.
Necropsy findings <i>(cross reference from study report and page no. to be provided)</i>		
Histopathological findings <i>(cross reference from study report and page no. to be provided)</i>		
Organs examined		

Statistical tool used for calculation		
Dose-Response relationship		

4. Result Summary

Particulars	TERATOGENECITY STUDY	REPRODUCTIVE TOXICITY If applicable
Number of animals dosed, survived and died		
Study Conclusion		

LONG-TERM TOXICITY STUDIES (IF APPLICABLE)

1. Test study Information:

Particulars	Carcinogenicity/chronic toxicity/combined toxicity study
Study Report No.	
Sponsor (Name and Address)	
Source (Name and Address)	
Study initiation Date	
Study completion Date	
Batch No.	
Purity	
CoA attached (Yes/No)	
IAEC No. (if available)	
GLP Statement (yes/no)	
Whether the study is done within GLP certificate validity date (yes/no)	
OECD Guideline or others	

2. Study Design/Methodology

Particulars	Carcinogenicity/chronic toxicity/combined toxicity study
Species/Strain	
No. and sex of animals per dose	
Age and Body weight range at dosing	

Dose of test chemical		
Vehicle used		
Route of administration		
Fasting conditions (Duration) pre-dose		
Housing conditions: Temperature, Humidity, Light cycle		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) * <i>(cross reference from study report and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Carcinogenicity/chronic toxicity/combined toxicity study
NOAEL/LOAEL		

Food and water consumption changes		
Clinical observations schedule with respect to doses		
Nature and severity of the toxicity signs (if any)		
Time course of onset and Duration of the toxicity effect (if any)		
Date and time of death, if before scheduled sacrifice		
Total No. of Mortality per dose		
Body weight changes		
Ophthalmological examination report <i>(cross reference from study report and page no. to be provided)</i>		
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>		
Necropsy findings • Terminal body weight • Organ weights and their ratios, if applicable • Necropsy findings • Incidence and severity of abnormalities <i>(cross reference from study report and page no. to be provided)</i>		
Histopathological findings • Non neoplastic histopathological findings • Neoplastic histopathological findings • Correlation between gross and microscopic findings		

- Detailed description of all treatment-related histopathological findings including severity gradings - Report of any peer review of slides; (cross reference from study report and page no. to be provided)		
Organs examined		
Statistical tool used for calculation		
Dose-Response relationship		

4. Result Summary

Particulars		Carcinogenicity/chronic toxicity/combined toxicity study
Number of animals dosed, survived and died		
Study Conclusion		

PHARMACOKINETICS STUDIES (IF APPLICABLE)

1. Test study Information:

Particulars		Metabolism
Study Report No.		
Sponsor (Name and Address)		
Source (Name and Address)		
Study initiation Date		
Study completion Date		
Batch No.		
Purity		
CoA attached (Yes/No)		
IAEC No. (if available)		
GLP Statement (yes/no)		

Whether the study is done within GLP certificate validity date (yes/no)	
OECD Guideline or others	

2. Study Design/Methodology

Particulars	Metabolism
Species/Strain	
No. and sex of animals per dose	
Age and Body weight range at dosing	
Dose of test chemical	
Vehicle used	
Route of administration	
Fasting conditions (Duration) pre-dose	
Housing conditions: Temperature, Humidity, Light cycle	
Total radioactivity per animal	
Analytical methods used for separation, quantitation and identification of metabolites	
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>	
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report</i>	

<i>and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule/ Single Duration of the study		
Rationale for dose selection		
Any other special consideration		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars		Metabolism
NOAEL/NOAEC/LOAEC		
Food and water consumption changes		
Clinical observations schedule with respect to doses		
Absorption Data: Rate and extent of absorption by each route of exposure. <i>(additionally cross reference from study report and page no. to be provided)</i>		
Tissue Distribution: - Report as % of administered dose and as µg-equivalents per g of tissue. - Include tissue-to-blood and tissue-to-plasma ratios.		

(additionally cross reference from study report and page no. to be provided)		
Plasma Concentrations & TK Parameters: Bioavailability, AUC, Cmax, Tmax, clearance, and half-life for relevant routes. (additionally cross reference from study report and page no. to be provided)		
Excretion Data: Amounts of parent compound and metabolites in excreta (% of administered dose). (additionally cross reference from study report and page no. to be provided)		
Metabolic pathway (cross reference from study report and page no. to be provided)		
Statistical tool used for calculation		

4. Result Summary

Particulars		Metabolism
Correlation with observed toxicity, dose proportionality, systemic exposure		
Study Conclusion		

MUTAGENECITY STUDIES

1. Test study Information:

Particulars		Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Study Report No.					
Sponsor (Name and Address)					

Source (Name and Address)					
Study initiation Date					
Study completion Date					
Batch No.					
Purity					
CoA attached (Yes/No)					
IAEC No. (in case of in vivo studies) (if available)					
GLP Statement (yes/no)					
Whether the study is done within GLP certificate validity date (yes/no)					
OECD Guideline or others					

2. Study Design/Methodology

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Species/Strain				
No. and sex of animals per dose (in case of in vivo)				
Age and Body weight range at dosing (in case of in vivo)				
Concentration/ Dose of test chemical				
Vehicle used				
Route of administration (in case of in vivo)				
Fasting conditions (Duration) pre-dose (in case of in vivo)				
Housing conditions: Temperature, Humidity, Light cycle (in case of in vivo)				
Feed report (source, restriction) (cross reference from study report and page no. to be provided)				
Feed analysis statement / certificate (as applicable) (optional)*				

<i>(cross reference from study report and page no. to be provided)</i>					
Acclimatization period and grouping					
Dosing Schedule, Duration of the study					
Rationale for dose selection					
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.					

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Food and water consumption changes (in vivo)				
Clinical observations schedule with respect to doses (in vivo)				
Body weight changes (in vivo)				
Clinical pathology if any (in vivo) <i>(cross reference from study report and page no. to be provided)</i>				
Scoring (in vivo)				
Primary endpoints (in vitro) frequency of micronucleated erythrocytes (PCE/NCE or reticulocyte MN) per animal; PCE:NCE ratio for marrow toxicity/ frequency of structural chromosome aberrations per metaphase in bone marrow/ spermatogonial chromosomal aberration frequency in testicular metaphases/ others				

(cross reference from study report and page no. to be provided)				
Primary endpoints (in vitro) revertant colony counts/ number (%) of cells with structural aberrations/ mutant frequency, clonogenicity, expression time, viability/ % micronucleated cells, CBPI or MN frequency, cytotoxicity metric/ others (cross reference from study report and page no. to be provided)				
Statistical tool used for calculation				

4. Result Summary

Particulars	Mutagenicity test AMES TEST	Mutagenicity test (In Vitro)	Mutagenicity test (In Vitro)	Mutagenicity test (In Vivo)
Study Conclusion				

IMMUNOTOXICITY STUDY

1. Test study Information:

Particulars	Cellular immune response
Study Report No.	
Sponsor (Name and Address)	
Source (Name and Address)	
Study initiation Date	
Study completion Date	
Batch No.	
Purity	
CoA attached (Yes/No)	
IAEC No. (if available)	
GLP Statement (yes/no)	

Whether the study is done within GLP certificate validity date (yes/no)	
OECD Guideline or others	

2. Study Design/Methodology

Particulars	Cellular immune response
Species/Strain	
No. and sex of animals per dose	
Age and Body weight range at dosing	
Dose of test chemical	
Vehicle used	
Route of administration	
Fasting conditions (Duration) pre-dose	
Housing conditions: Temperature, Humidity, Light cycle	
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>	
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>	
Acclimatization period and grouping	
Dosing Schedule, Duration of the study	

Rationale for dose selection	
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.	

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

Particulars	Cellular immune response
NOAEL/BMC/NOAEC/LOAEC/BALF	
Food and water consumption changes (if any)	
Clinical observations schedule with respect to doses	
Nature and severity of the toxicity signs (if any)	
Time course of onset and Duration of the toxicity effect (if any)	
Body weight changes	
Clinical pathology • Hematology • Biochemistry • Urinalysis <i>(cross reference from study report and page no. to be provided)</i>	
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>	
Lymphoid Organs examined and weights <i>(cross reference from study report and page no. to be provided)</i>	
Phenotyping <i>(cross reference from study report and page no. to be provided)</i>	
Primary Functional test (TDAR) <i>(cross reference from study report and page no. to be provided)</i>	
Secondary functional Test Report <i>(cross reference from study report and page no. to be provided)</i>	

Statistical tool used for calculation	

4. Result Summary

Particulars	Cellular immune response
Number of animals dosed, survived and died	
Study Conclusion	

ECOTOXICITY STUDIES

1. Test study Information:

Particulars	Acute Avian toxicity	Acute toxicity-fish	Toxicity to Honeybees (oral and contact) If applicable
Study Report No.			
Sponsor (Name and Address)			
Source (Name and Address)			
Study initiation Date			
Study completion Date			
Batch No.			
Purity			
CoA attached (Yes/No)			
Ethical consideration (NO.) (if available)			
GLP Statement (yes/no)			
Whether the study is done within GLP certificate validity date (yes/no)			
OECD Guideline or others			

2. Study Design/Methodology

Particulars	Acute Avian toxicity	Acute toxicity-fish	Toxicity to Honeybees (oral and contact) If applicable
Species			
No. and sex of animals per dose			

Age and Body weight range at dosing				
Dose of test chemical				
Vehicle used				
Route of administration				
Fasting conditions (Duration) pre-dose where applicable				
Housing conditions: Temperature, Humidity, Light cycle				
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>				
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>				
Acclimatization period and grouping				
Dosing Schedule, Duration of the study				
Rationale for dose selection				
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.				

3. Observations

Particulars	Acute Avian toxicity	Acute toxicity-fish	Toxicity to Honeybees (oral and contact) If applicable
Result LD50			

Clinical observations schedule with respect to doses				
Nature and severity of the toxicity signs (if any)				
Time course of onset and Duration of the toxicity effect (if any)				
Date and time of death, if before scheduled sacrifice				
Total No. of Mortality per dose				
Body weight schedule changes				
Necropsy findings and histopathological findings <i>(cross reference from study report and page no. to be provided)</i>				
Organs examined				
Food and feed consumption data <i>(cross reference from study report and page no. to be provided)</i>				
Statistical tool if used				

4. Result Summary

Particulars		Acute Avian toxicity	Acute toxicity-fish	Toxicity to Honeybees (oral and contact) If applicable
Number of animals dosed, survived and died				
LD₅₀				
Study Conclusion				

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.
2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE

9(4) TIM

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		

5. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

MUTAGENECITY STUDIES

1. Test study Information:

		Mutagenicity test AMES TEST
Study Report No.		
Sponsor (Name and Address)		
Source (Name and Address)		
Study initiation Date		
Study completion Date		
Batch No.		
Purity		
CoA attached (Yes/No)		
IAEC No. (in case of in vivo studies) (if available)		
GLP Statement (yes/no)		
Whether the study is done within GLP certificate validity date (yes/no)		
OECD Guideline or others		

2. Study Design/Methodology

		Mutagenicity test AMES TEST
Species/Strain		
No. and sex of animals per dose (in case of in vivo)		

Age and Body weight range at dosing (in case of in vivo)		
Concentration/ Dose of test chemical		
Vehicle used		
Route of administration (in case of in vivo)		
Fasting conditions (Duration) pre-dose (in case of in vivo)		
Housing conditions: Temperature, Humidity, Light cycle (in case of in vivo)		
Feed report (source, restriction) <i>(cross reference from study report and page no. to be provided)</i>		
Feed analysis statement / certificate (as applicable) (optional)* <i>(cross reference from study report and page no. to be provided)</i>		
Acclimatization period and grouping		
Dosing Schedule, Duration of the study		
Rationale for dose selection		
Any deviation from protocol or amendments (Yes/No). If yes provide justification or cross reference of report.		

* In case of repeated dose studies, feed analysis report shall be provided from feed supplier / in-house / third party.

3. Observations

		Mutagenicity test AMES TEST
Food and water consumption changes (in vivo)		
Clinical observations schedule with respect to doses (in vivo)		
Body weight changes (in vivo)		
Clinical pathology if any (in vivo) <i>(cross reference from study report and page no. to be provided)</i>		
Scoring (in vivo)		
Primary endpoints (in vitro) frequency of micronucleated erythrocytes (PCE/NCE or reticulocyte MN) per animal; PCE:NCE ratio for marrow toxicity/ frequency of structural chromosome aberrations		

per metaphase in bone marrow/ spermatogonial chromosomal aberration frequency in testicular metaphases/ others <i>(cross reference from study report and page no. to be provided)</i>		
Primary endpoints (in vitro) revertant colony counts/ number (%) of cells with structural aberrations/ mutant frequency, clonogenicity, expression time, viability/ % micronucleated cells, CBPI or MN frequency, cytotoxicity metric/ others <i>(cross reference from study report and page no. to be provided)</i>		
Statistical tool used for calculation		

4. Result Summary

		Mutagenicity test AMES TEST
Study Conclusion		

NOTE- REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.
2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.
3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.
4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.

TOXICOLOGY TEMPLATE

EXPORT

1. General Information:

Test chemical Name		
Type of chemical (Insecticide/ Fungicide/ Herbicide/ Other)		
Specify the status of the chemical listed in the schedule		
Global status of pesticide molecules with respect to Ban/restriction/withdrawn and reasons thereof		
Summary Report Derived from International report on Carcinogenicity & Genotoxicity (if available)		

2. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

Study Type	Results	Toxic Category	Source of information
Acute Oral Toxicity			
Acute Dermal Toxicity			
Acute Inhalation Toxicity			
Acute Eye Irritation			
Acute Dermal Irritation			
Skin Sensitization			
Effect on Reproduction			
Developmental Toxicity			
Carcinogenicity			

Mutagenicity			
Neurotoxicity			

NOTE: The template is required for first time registration of molecule for export

TOXICOLOGY TEMPLATE

1. General Information:

Test chemical Name/ strain/Accession number/Application no.		
Purpose		
Specify the status of the chemical listed in the schedule		
Global status with respect to Ban/restriction/withdrawn and reasons thereof		

2. Label and Leaflet

LABEL AND LEAFLET							
CHEMICAL COMPOSITION	PURPOSE OF USE	SAFETY PRECAUTIONS	SYMPTOMS OF POISONING	CAUTIONARY STATEMENT	FIRST AID	ANTIDOTE	TOXICITY TRIANGLE

ACUTE TOXICITY STUDIES

1. Test study Information:

		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Study Report No.							
Sponsor (Name and Address)							
Source (Name and Address)							
Study initiation Date							
Study completion Date							
Batch No.							
Purity							
CoA attached (Yes/No)							
IAEC No. (if available)							
GLP Statement (yes/no)							
Whether the study is done within GLP certificate validity date (Yes/No)							
OECD Guideline or others							

2. Study Design/Methodology

		Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Species/Strain							
No. and sex of animals per dose							
Age and Body weight range at dosing							
Doses of test chemical							
Vehicle used							
Route of administration							
Fasting conditions (Duration) pre-dose							
Housing conditions: Temperature, Humidity, Light cycle							
Feed report (source, restriction) <i>cross reference from study report and page no. to be provided</i>							
Feed analysis statement / certificate (as applicable) (optional) <i>cross reference from study report and page no. to be provided</i>							
Acclimatization period and grouping							
Dosing Schedule, Duration of the study							
Rationale for dose selection							
Any deviation from protocol or amendments (Yes/No). If yes provide justification							

or cross reference of report.						

3. Observations

	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Result LD ₅₀ / LC ₅₀						
Clinical observations schedule with respect to doses						
Nature and severity of the toxicity signs (if any)						
Time course of onset and Duration of the toxicity effect (if any)						
Date and time of death, if before scheduled sacrifice						
Total No. of Mortality per dose						
Body weight schedule changes (If any)						
Necropsy findings and histopathological findings <i>cross reference from study report and page no. to be provided</i>						
Organs examined						

4. Result Summary

	Acute Oral	Acute dermal	Acute inhalational	Primary skin irritation	Acute eye irritation	Skin sensitization
Number of animals dosed, survived and died						
LD ₅₀ / LC ₅₀ (GHS Classification)						
Study Conclusion						

REFER TO THE GUIDANCE DOCUMENT ON TOXICOLOGY FOR THE REGISTRATION OF CHEMICAL PESTICIDES IN INDIA.

NOTE:

- 1. Hyperlink(s), relevant cross-reference(s), and page number(s) of the study report shall be provided wherever feasible for ease of scrutiny and verification.**
- 2. This template is dynamic in nature and may be revised/updated from time to time in view of regulatory requirements, scientific developments, or related considerations, as deemed necessary by the competent authority.**
- 3. Submission of information in the present template shall not preclude seeking any additional information, clarification, or supporting document(s), wherever considered necessary during evaluation of the application.**
- 4. In case of any discrepancy, the contents of the original study report/dossier shall prevail.**

PACKAGING

Template for Packaging Discipline for Applications U/s 9(3)-TI

S. No.	Parameters	Reply/Response of applicant
1.	Form I	
2.	Labels and Leaflets per IR-1971, all fields (as applicable) and as amended from time to time	
3.	Manner of labeling and Leaflet	
4.	Type of packaging (Ultra small, small or Big whichever is applicable)	
5.	Manner of packaging Manner of Import packaging with details UN IMDG Code, packaging group, Hazard class, (a) Primary Packing (b) Secondary Packing (c) Transport Packing	
6.	Specification for primary, Secondary and Transport packages (whichever is applicable) Specification shall include: 1) capacity, 2) thickness, 3) shape, 4) size (LxWxH), 5) brimful capacity, 6) sealing system, 7) Material of construction, Grade, 8) Closure system, 9) Gross/net weight of primary, secondary and transport packing,	
7.	Details of packaging material and its compatibility with content: Container Content Compatibility (CCC) test from NABL accredited labs as per standard test protocols/BIS specifications. a) Name of the Laboratory : b) NABL Status (Validity of NABL Certificate): c) Period of the Study : From _____ to _____ d) BIS specification/protocol followed : e) Number of Samples set taken for Test : f) Temperature maintained during the test : g) Primary Packing taken for test : h) Test result of AI before the test : i) Test result of AI after the test : j) Test result of Packaging material before test : k) Test result of Packaging material after test : l) Final Conclusion of the Study :	
8.	Performance of container with content during storage stability test (Shelf life Study) at three different agro climate conditions for	

	30 months/ ASS Data for a.i. content and physico chemical properties of the product and test parameter on container:-- 1) Name of the Laboratory : 2) NABL/GLP Status (Validity of NABL/GLP Certificate): 3) Name of the Study - Shelf life Study / ASS: _____ 4) Period of the Study : From _____ to _____ 5) Number of Months/Days : 6) Three Agro-climatic locations selected for Shelf life Study: Location 01 : _____ Location 02 : _____ Location 03: _____ 7) BIS specification followed : 8) Primary Packing taken for test : 9) Test result of AI before the test : 10) Test result of AI after the test (for ASS) : 11) Zero Month Test result of AI after the test : Location _____ 12) 06 Months Test result of AI after the test : 13) 12 Months Test result of AI after the test : 14) 18 Months Test result of AI after the test : 15) 24 Months Test result of AI after the test : 16) 30 Months Test result of AI after the test : Final Conclusion of Test results of AI after 30 Months : 17) Test result of Packaging Material before the test : 18) Test result of Packaging Material after the test(for ASS) : 19) Zero Month Test result of Packaging Material after the test : 20) 06 Months Test result of Packaging Material after the test : 21) 12 Months Test result of Packaging Material after the test : 22) 18 Months Test result of Packaging Material after the test : 23) 24 Months Test result of Packaging Material after the test : 24) 30 Months Test result of Packaging Material after the test : Final Conclusion of Test results of Packaging Material after 30 Months : 25) Metrological data of 3 locations: Name of the Institute/Organization of Metrological data: a) Location 01 : _____ b) Location 02 : _____ c) Location 03: _____ 26) Average Temperature range during the entire Shelf Life Study: (i) Location 01 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C

	24 Months : _____ to _____ °C 30 Months : _____ to _____ °C (ii) Location 02 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C (iii) Location 03 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C	
9.	Transport worthiness test (TWT) for proposed transport packing from NABL accredited lab. 1) Name of the Laboratory : 2) NABL/GLP Status (Validity of NABL/GLP Certificate): 3) Name of the Study - _____ 4) Period of the Study : From _____ to _____ 5) Number of Months/Days : 6) BIS specification followed : 7) Primary Packing taken for test : 8) Secondary Packaging Taken for Test : 9) Transport Packing Taken for test : 10) Whether the primary,secondary and transport packing taken for tests are same as proposed in Manner of Packing : Yes/No 11) Number of Samples taken for Test : !2) Details of the Tests Conducted :(to cover all type of proposed packing combinations -(Primary+Secondary+Transport) A) Vertical Drop Test a) BIS No. : b) Scheme for Dropping Test : c) Test results : B) Stack Load Test : a) BIS No. : b)Scheme for Stack Load Test : c) Test results : C) Vibration Leak Test : a) BIS No. : b) Scheme for Vibration Test :	

	c) Test results : D) Rolling Test: a) BIS No. : b) Scheme for Rolling Test : c) Test results : E) Inclined Impact Test : a) BIS No. : b) Scheme for Rolling Test : c) Test results : F) Any other Packaging Test under TWT as per IMDG / BIS /RC requirements : a) BIS No. : b) Test results :	

Template for Packaging Discipline for Applications U/s 9(3)-FI

S. No.	Parameters	Reply/Response of applicant
1.	Form I	
2.	Labels and Leaflets per IR-1971, all fields (as applicable) and as amended from time to time	
3.	Manner of labelling and Leaflet	
4.	Type of packaging (Ultra small, small or Big whichever is applicable)	
5.	Manner of packaging: Manner of Import packaging with details UN IMDG Code, packaging group, Hazard class, (a) Primary Packing (b) Secondary Packing (c) Transport Packing Manner of Re-packing: (a) Primary Packing (b) Secondary Packing (c) Transport Packing	
6.	Specification for primary, Secondary and Transport packages (whichever is applicable) Specification shall include: 1) capacity, 2) thickness, 3) shape, 4) size (LxWxH), 5) brimful capacity, 6) sealing system, 7) Material of construction, Grade, 8) Closure system, 9) Gross/net weight of primary, secondary and transport packing,	
7.	Details of packaging material and its compatibility with content: Container Content Compatibility (CCC) test from NABL accredited labs as per standard test protocols/BIS specifications. a) Name of the Laboratory : b) NABL Status (Validity of NABL Certificate): c) Period of the Study : From _____ to _____ d) BIS specification/protocol followed : e) Number of Samples set taken for Test : f) Temperature maintained during the test : g) Primary Packing taken for test : h) Test result of AI before the test : i) Test result of AI after the test : j) Test result of Packaging material before test :	

	k) Test result of Packaging material after test : l) Final Conclusion of the Study :	
8.	Performance of container with content during storage stability test(Shelf life Study) at three different agro climate conditions for 30 months/ ASS Data for a.i. content and physico chemical properties of the product and test parameter on container:-- 1) Name of the Laboratory : 2) NABL/GLP Status (Validity of NABL/GLP Certificate): 3) Name of the Study - Shelf life Study / ASS: _____ 4) Period of the Study : From ____ to _____ 5) Number of Months/Days : 6) Three Agro-climatic locations selected for Shelf life Study: 7) Location 01 : _____ 8) Location 02 : _____ 9) Location 03: _____ 10) BIS specification followed : 11) Primary Packing taken for test : 12) Test result of AI before the test : 13) Test result of AI after the test (for ASS) : 14) Zero Month Test result of AI after the test : 15) Location 16) 06 Months Test result of AI after the test : 17) 12 Months Test result of AI after the test : 18) 18 Months Test result of AI after the test : 19) 24 Months Test result of AI after the test : 20) 30 Months Test result of AI after the test : 21) Final Conclusion of Test results of AI after 30 Months : 22) Test result of Packaging Material before the test : 23) Test result of Packaging Material after the test(for ASS) : 24) Zero Month Test result of Packaging Material after the test : 25) 06 Months Test result of Packaging Material after the test : 26) 12 Months Test result of Packaging Material after the test : 27) 18 Months Test result of Packaging Material after the test : 28) 24 Months Test result of Packaging Material after the test : 29) 30 Months Test result of Packaging Material after the test : 30) Final Conclusion of Test results of Packaging Material after 30 Months :	

	31) Metrological data of 3 locations: Name of the Institute/Organization of Metrological data: Location 01 : _____ Location 02 : _____ Location 03: _____ 32) Average Temperature range during the entire Shelf Life Study: (iv) Location 01 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C (v) Location 02 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C (vi) Location 03 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C	
9.	Transport worthiness test (TWT) for proposed transport packing from NABL accredited lab. 1) Name of the Laboratory : 2) NABL/GLP Status (Validity of NABL/GLP Certificate): 3) Name of the Study - _____ 4) Period of the Study : From _____ to _____ 5) Number of Months/Days : 6) BIS specification followed : 7) Primary Packing taken for test : 8) Secondary Packaging Taken for Test : 9) Transport Packing Taken for test : 10) Whether the primary,secondary and transport packing taken for tests are same as proposed in Manner of Packing : Yes/No 11) Number of Samples taken for Test :	

	12) Details of the Tests Conducted :(to cover all type of proposed packing combinations -(Primary+Secondary+Transport) A. Vertical Drop Test BIS No. : Scheme for Dropping Test : Test results : B. Stack Load Test : a) BIS No. : b)Scheme for Stack Load Test : c) Test results : C. Vibration Leak Test : a) BIS No. : b) Scheme for Vibration Test : c) Test results : D. Rolling Test: a) BIS No. : b) Scheme for Rolling Test : c) Test results : E. Inclined Impact Test : a) BIS No. : b) Scheme for Rolling Test : c) Test results : F. Any other Packaging Test under TWT as per IMDG / BIS /RC requirements : a) BIS No. : b) Test results :	

Template for Packaging Discipline for Applications U/s 9(3)-TIM

S. No.	Parameters	Reply/Response of applicant
1.	Form I	
2.	Labels and Leaflets per IR-1971, all fields (as applicable) and as amended from time to time	
3.	Manner of labeling and Leaflet	
4.	Type of packaging (Ultra small, small or Big whichever is applicable)	
5.	Manner of packaging: (a) Primary Packing (b) Secondary Packing (c) Transport Packing	
6.	Specification for primary, Secondary and Transport packages (whichever is applicable) Specification shall include: a) capacity, b) thickness, c) shape, d) size (LxWxH), e) brimful capacity, f) sealing system, g) Material of construction, Grade, h) Closure system, i) Gross/net weight of primary, secondary and transport packing,	
7.	Details of packaging material and its compatibility with content: Container Content Compatibility (CCC) test from NABL accredited labs as per standard test protocols/BIS specifications. 1) Name of the Laboratory : 2) NABL Status (Validity of NABL Certificate): 3) Period of the Study : From _____ to _____ 4) BIS specification/protocol followed : 5) Number of Samples set taken for Test : 6) Temperature maintained during the test : 7) Primary Packing taken for test : 8) Test result of AI before the test : 9) Test result of AI after the test : 10) Test result of Packaging material before test : 11) Test result of Packaging material after test : 12) Final Conclusion of the Study :	
8.	Performance of container with content during storage stability test (Shelf life Study) at three different agro climate conditions for 30 months/ ASS Data for a.i. content	

	and physico chemical properties of the product and test parameter on container:-- 1. Name of the Laboratory : 2. NABL/GLP Status (Validity of NABL/GLP Certificate): 3. Name of the Study - Shelf life Study / ASS: _____ 4. Period of the Study : From _____ to _____ 5. Number of Months/Days : 6. Three Agro-climatic locations selected for Shelf life Study: 7. Location 01 : _____ 8. Location 02 : _____ 9. Location 03: _____ 10. BIS specification followed : 11. Primary Packing taken for test : 12. Test result of AI before the test : 13. Test result of AI after the test (for ASS) : 14. Zero Month Test result of AI after the test : 15. Location 16. 06 Months Test result of AI after the test : 17. 12 Months Test result of AI after the test : 18. 18 Months Test result of AI after the test : 19. 24 Months Test result of AI after the test : 20. 30 Months Test result of AI after the test : 21. Final Conclusion of Test results of AI after 30 Months : 22. Test result of Packaging Material before the test : 23. Test result of Packaging Material after the test(for ASS) : 24. Zero Month Test result of Packaging Material after the test : 25. 06 Months Test result of Packaging Material after the test : 26. 12 Months Test result of Packaging Material after the test : 27. 18 Months Test result of Packaging Material after the test : 28. 24 Months Test result of Packaging Material after the test : 29. 30 Months Test result of Packaging Material after the test : 30. Final Conclusion of Test results of Packaging Material after 30 Months : 31. Metrological data of 3 locations: Name of the Institute/Organization of Metrological data: Location 01 : _____ Location 02 : _____ Location 03: _____	

	32. Average Temperature range during the entire Shelf Life Study: Location 01 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C Location 02 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C Location 03 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C	
9.	Transport worthiness test (TWT) for proposed transport packing from NABL accredited lab. 1) Name of the Laboratory : 2) NABL/GLP Status (Validity of NABL/GLP Certificate): 3) Name of the Study - _____ 4) Period of the Study : From _____ to _____ 5) Number of Months/Days : 6) BIS specification followed : 7) Primary Packing taken for test : 8) Secondary Packaging Taken for Test : 9) Transport Packing Taken for test : 10) Whether the primary,secondary and transport packing taken for tests are same as proposed in Manner of Packing : Yes/No 11) Number of Samples taken for Test : 12) Details of the Tests Conducted :(to cover all type of proposed packing combinations -(Primary+Secondary+Transport) A. Vertical Drop Test BIS No. :	

	Scheme for Dropping Test : Test results : B.Stack Load Test : a) BIS No. : b)Scheme for Stack Load Test : c) Test results : C.Vibration Leak Test : a) BIS No. : b) Scheme for Vibration Test : c) Test results : D.Rolling Test: a) BIS No. : b) Scheme for Rolling Test : c) Test results : E.Inclined Impact Test : a) BIS No. : b) Scheme for Rolling Test : c) Test results : F.Any other Packaging Test under TWT as per IMDG / BIS /RC requirements : a) BIS No. : b) Test results :	

Template for Packaging Discipline for Applications U/s 9(3)-FIM

S. No.	Parameters	Reply/Response of applicant
1.	Form I	
2.	Labels and Leaflets per IR-1971, all fields (as applicable) and as amended from time to time	
3.	Manner of labeling and Leaflet	
4.	Type of packaging (Ultra small, small or Big whichever is applicable)	
5.	Manner of packaging: (a) Primary Packing (b) Secondary Packing (c) Transport Packing	
6.	Specification for primary, Secondary and Transport packages (whichever is applicable) Specification shall include: a) capacity, b) thickness, c) shape, d) size (LxWxH), e) brimful capacity, f) sealing system, g) Material of construction, Grade, h) Closure system, i) Gross/net weight of primary, secondary and transport packing,	
7.	Details of packaging material and its compatibility with content: Container Content Compatibility (CCC) test from NABL accredited labs as per standard test protocols/BIS specifications. 1) Name of the Laboratory : 2) NABL Status (Validity of NABL Certificate): 3) Period of the Study : From _____ to _____ 4) BIS specification/protocol followed : 5) Number of Samples set taken for Test : 6) Temperature maintained during the test : 7) Primary Packing taken for test : 8) Test result of AI before the test : 9) Test result of AI after the test : 10) Test result of Packaging material before test : 11) Test result of Packaging material after test : 12) Final Conclusion of the Study :	
8.	Performance of container with content during storage stability test (Shelf life Study) at three different agro	

	climate conditions for 30 months/ ASS Data for a.i. content and physico chemical properties of the product and test parameter on container:-- 1. Name of the Laboratory : 2. NABL/GLP Status (Validity of NABL/GLP Certificate): 3. Name of the Study - Shelf life Study / ASS: _____ 4. Period of the Study : From _____ to _____ 5. Number of Months/Days : 6. Three Agro-climatic locations selected for Shelf life Study: 7. Location 01 : _____ 8. Location 02 : _____ 9. Location 03: _____ 10. BIS specification followed : 11. Primary Packing taken for test : 12. Test result of AI before the test : 13. Test result of AI after the test (for ASS) : 14. Zero Month Test result of AI after the test : 15. Location 16. 06 Months Test result of AI after the test : 17. 12 Months Test result of AI after the test : 18. 18 Months Test result of AI after the test : 19. 24 Months Test result of AI after the test : 20. 30 Months Test result of AI after the test : 21. Final Conclusion of Test results of AI after 30 Months : 22. Test result of Packaging Material before the test : 23. Test result of Packaging Material after the test(for ASS) : 24. Zero Month Test result of Packaging Material after the test : 25. 06 Months Test result of Packaging Material after the test : 26. 12 Months Test result of Packaging Material after the test : 27. 18 Months Test result of Packaging Material after the test : 28. 24 Months Test result of Packaging Material after the test : 29. 30 Months Test result of Packaging Material after the test : 30. Final Conclusion of Test results of Packaging Material after 30 Months : 31. Metrological data of 3 locations: Name of the Institute/Organization of Metrological data: Location 01 : _____ Location 02 : _____ Location 03: _____	

	32. Average Temperature range during the entire Shelf Life Study: Location 01 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C Location 02 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C Location 03 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C	
9.	Transport worthiness test (TWT) for proposed transport packing from NABL accredited lab. 1) Name of the Laboratory : 2) NABL/GLP Status (Validity of NABL/GLP Certificate): 3) Name of the Study - _____ 4) Period of the Study : From _____ to _____ 5) Number of Months/Days : 6) BIS specification followed : 7) Primary Packing taken for test : 8) Secondary Packaging Taken for Test : 9) Transport Packing Taken for test : 10) Whether the primary,secondary and transport packing taken for tests are same as proposed in Manner of Packing : Yes/No 11) Number of Samples taken for Test : 12) Details of the Tests Conducted :(to cover all type of proposed packing combinations -(Primary+Secondary+Transport) A.Vertical Drop Test	

	BIS No. : Scheme for Dropping Test : Test results : B.Stack Load Test : a) BIS No. : b)Scheme for Stack Load Test : c) Test results : C.Vibration Leak Test : a) BIS No. : b) Scheme for Vibration Test : c) Test results : D.Rolling Test: a) BIS No. : b) Scheme for Rolling Test : c) Test results : E.Inclined Impact Test : a) BIS No. : b) Scheme for Rolling Test : c) Test results : F.Any other Packaging Test under TWT as per IMDG / BIS /RC requirements : a) BIS No. : b) Test results :	

Template for Packaging Discipline for Applications U/s 9(3)-Bio-Pesticides: Primary culture/mother culture & Formulated product

S. No.	Parameters	Reply/Response of applicant
1.	Form I	
2.	Labels and Leaflets per IR-1971, all fields (as applicable) and as amended from time to time	
3.	Manner of labeling and Leaflet	
4.	Type of packaging (Ultra small, small or Big whichever is applicable)	
5.	Manner of packaging: (a) Primary Packing (b) Secondary Packing (c) Transport Packing	
6.	Specification for primary, Secondary and Transport packages (whichever is applicable) Specification shall include: 1) capacity, 2) thickness, 3) shape, 4) size (LxWxH), 5) brimful capacity, 6) sealing system, 7) Material of construction, Grade, 8) Closure system, 9) Gross/net weight of primary, secondary and transport packing,	
7.	Details of packaging material and its compatibility with content: Container Content Compatibility (CCC) test from NABL accredited labs as per standard test protocols/BIS specifications. a) Name of the Laboratory : b) NABL Status (Validity of NABL Certificate): c) Period of the Study : From _____ to _____ d) BIS specification/protocol followed : e) Number of Samples set taken for Test : f) Temperature maintained during the test : g) Primary Packing taken for test : h) Test result of AI before the test : i) Test result of AI after the test : j) Test result of Packaging material before test : k) Test result of Packaging material after test : l) Final Conclusion of the Study :	

8.	Performance of container with content during storage stability test(Shelf life Study) at three different agro climate conditions for 30 months/ ASS Data for a.i. content and physico chemical properties of the product and test parameter on container:-- 1. Name of the Laboratory : 2. NABL/GLP Status (Validity of NABL/GLP Certificate): 3. Name of the Study - Shelf life Study / ASS: _____ 4. Period of the Study : From ____ to _____ 5. Number of Months/Days : 6. Three Agro-climatic locations selected for Shelf life Study: 7. Location 01 : _____ 8. Location 02 : _____ 9. Location 03: _____ 10. BIS specification followed : 11. Primary Packing taken for test : 12. Test result of AI before the test : 13. Test result of AI after the test (for ASS) : 14. Zero Month Test result of AI after the test : 15. Location 16. 06 Months Test result of AI after the test : 17. 12 Months Test result of AI after the test : 18. 18 Months Test result of AI after the test : 19. 24 Months Test result of AI after the test : 20. 30 Months Test result of AI after the test : 21. Final Conclusion of Test results of AI after 30 Months : 22. Test result of Packaging Material before the test : 23. Test result of Packaging Material after the test(for ASS) : 24. Zero Month Test result of Packaging Material after the test : 25. 06 Months Test result of Packaging Material after the test : 26. 12 Months Test result of Packaging Materialafter the test : 27. 18 Months Test result of Packaging Material after the test : 28. 24 Months Test result of Packaging Material after the test : 29. 30 Months Test result of Packaging Material after the test : 30. Final Conclusion of Test results of Packaging Material after 30 Months : 31. Metrological data of 3 locations: Name of the Institute/Organization of Metrological data: Location 01 : _____	

	Location 02 : _____ Location 03: _____ 32. Average Temperature range during the entire Shelf Life Study: Location 01 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C Location 02 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C Location 03 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C	
9.	Transport worthiness test (TWT) for proposed transport packing from NABL accredited lab. 1) Name of the Laboratory : 2) NABL/GLP Status (Validity of NABL/GLP Certificate): 3) Name of the Study - _____ 4) Period of the Study : From _____ to _____ 5) Number of Months/Days : 6) BIS specification followed : 7) Primary Packing taken for test : 8) Secondary Packaging Taken for Test : 9) Transport Packing Taken for test : 10) Whether the primary,secondary and transport packing taken for tests are same as proposed in Manner of Packing : Yes/No 11) Number of Samples taken for Test : 12) Details of the Tests Conducted :(to cover all type of proposed packing combinations -(Primary+Secondary+Transport)	

	A.Vertical Drop Test BIS No. : Scheme for Dropping Test : Test results : B.Stack Load Test : a) BIS No. : b)Scheme for Stack Load Test : c) Test results : C.Vibration Leak Test : a) BIS No. : b) Scheme for Vibration Test : c) Test results : D.Rolling Test: a) BIS No. : b) Scheme for Rolling Test : c) Test results : E.Inclined Impact Test : a) BIS No. : b) Scheme for Rolling Test : c) Test results : F.Any other Packaging Test under TWT as per IMDG / BIS /RC requirements : a) BIS No. : b) Test results :	

Template for Packaging Discipline for Applications U/s 9(4)-TIM

S. No.	Parameters	Reply/Response of applicant
1.	Form I	
2.	Manner of labeling and Leaflet	
3.	Type of packaging (Ultra small, small or Big whichever is applicable)	
4.	Manner of packaging: (a) Primary Packing (b) Secondary Packing (c) Transport Packing	
5.	Specification for primary, Secondary and Transport packages (whichever is applicable) Specification shall include: a) capacity, b) thickness, c) shape, d) size (LxWxH), e) brimful capacity, f) sealing system, g) Material of construction, Grade, h) Closure system, i) Gross/net weight of primary, secondary and transport packing,	
6.	Details of packaging material and its compatibility with content: Container Content Compatibility (CCC) test from NABL accredited labs as per standard test protocols/BIS specifications. 1) Name of the Laboratory : 2) NABL Status (Validity of NABL Certificate): 3) Period of the Study : From ____ to ____ 4) BIS specification/protocol followed : 5) Number of Samples set taken for Test : 6) Temperature maintained during the test : 7) Primary Packing taken for test : 8) Test result of AI before the test : 9) Test result of AI after the test : 10) Test result of Packaging material before test : 11) Test result of Packaging material after test : 12) Final Conclusion of the Study :	

Template for Endorsement Applications of New Packaging Material U/s 9(3)/ 9(4):

S. No.	Parameters	Reply/Response of applicant
1.	Duly signed Endorsement application	
2.	Notarized copy of Certificate of Registration	
3.	Type of packaging (Ultra small, small or Big whichever is applicable)	
4.	Manner of packaging: (a) Primary Packing (b) Secondary Packing (c) Transport Packing	
5.	Specification for primary, Secondary and Transport packages (whichever is applicable) Specification shall include: 1) capacity, 2) thickness, 3) shape, 4) size (LxWxH), 5) brimful capacity, 6) sealing system, 7) Material of construction, Grade, 8) Closure system, 9) Gross/net weight of primary, secondary and transport packing,	
6.	Details of packaging material and its compatibility with content: Container Content Compatibility (CCC) test from NABL accredited labs as per standard test protocols/BIS specifications. a) Name of the Laboratory : b) NABL Status (Validity of NABL Certificate): c) Period of the Study : From ____ to ____ d) BIS specification/protocol followed : e) Number of Samples set taken for Test : f) Temperature maintained during the test : g) Primary Packing taken for test : h) Test result of AI before the test : i) Test result of AI after the test : j) Test result of Packaging material before test : k) Test result of Packaging material after test : l) Final Conclusion of the Study :	
7.	Performance of container with content during storage stability test (Shelf life Study) at three different agro climate conditions for 30 months/ ASS Data for a.i. content	

	and physico chemical properties of the product and test parameter on container:-- 1) Name of the Laboratory : 2) NABL/GLP Status (Validity of NABL/GLP Certificate): 3) Name of the Study - Shelf life Study / ASS: _____ 4) Period of the Study : From _____ to _____ 5) Number of Months/Days : 6) Three Agro-climatic locations selected for Shelf life Study: 7) Location 01 : _____ 8) Location 02 : _____ 9) Location 03: _____ 10) BIS specification followed : 11) Primary Packing taken for test : 12) Test result of AI before the test : 13) Test result of AI after the test (for ASS) : 14) Zero Month Test result of AI after the test : 15) Location 16) 06 Months Test result of AI after the test : 17) 12 Months Test result of AI after the test : 18) 18 Months Test result of AI after the test : 19) 24 Months Test result of AI after the test : 20) 30 Months Test result of AI after the test : 21) Final Conclusion of Test results of AI after 30 Months : 22) Test result of Packaging Material before the test : 23) Test result of Packaging Material after the test(for ASS) : 24) Zero Month Test result of Packaging Material after the test : 25) 06 Months Test result of Packaging Material after the test : 26) 12 Months Test result of Packaging Material after the test : 27) 18 Months Test result of Packaging Material after the test : 28) 24 Months Test result of Packaging Material after the test : 29) 30 Months Test result of Packaging Material after the test : 30) Final Conclusion of Test results of Packaging Material after 30 Months : 31) Metrological data of 3 locations: Name of the Institute/Organization of Metrological data: Location 01 : _____ Location 02 : _____ Location 03: _____	

	32) Average Temperature range during the entire Shelf Life Study: Location 01 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C Location 02 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C Location 03 : _____ Zero Month : _____ to _____ °C 06 Months : _____ to _____ °C 12 Months : _____ to _____ °C 18 Months: _____ to _____ °C 24 Months : _____ to _____ °C 30 Months : _____ to _____ °C	
8.	Transport worthiness test (TWT) for proposed transport packing from NABL accredited lab. 1. Name of the Laboratory : 2. NABL/GLP Status (Validity of NABL/GLP Certificate): 3. Name of the Study - _____ 4. Period of the Study : From _____ to _____ 5. Number of Months/Days : 6. BIS specification followed : 7. Primary Packing taken for test : 8. Secondary Packaging Taken for Test : 9. Transport Packing Taken for test : 10. Whether the primary,secondary and transport packing taken for tests are same as proposed in Manner of Packing : Yes/No 11. Number of Samples taken for Test : 12. Details of the Tests Conducted :(to cover all type of proposed packing combinations -(Primary+Secondary+Transport) A.Vertical Drop Test BIS No. : Scheme for Dropping Test :	

	Test results : B.Stack Load Test : a) BIS No. : b)Scheme for Stack Load Test : c) Test results : C.Vibration Leak Test : a) BIS No. : b) Scheme for Vibration Test : c) Test results : D.Rolling Test: a) BIS No. : b) Scheme for Rolling Test : c) Test results : E.Inclined Impact Test : a) BIS No. : b) Scheme for Rolling Test : c) Test results : F.Any other Packaging Test under TWT as per IMDG / BIS /RC requirements : a) BIS No. : b) Test results :	
9.	Justification for change	
10.	Affidavit duly notarized regarding endorsement made earlier in respect of registration certificate	
11.	Label for New pack size (if applicable)	

Template for Endorsement Applications of New Pack Size with already approved packing material U/s 9(3)/ 9(4)

S. No.	Parameters	Reply/Response of applicant
1.	Duly signed Endorsement application	
2.	Notarized copy of Certificate of Registration	
3.	Type of packaging (Ultra small, small or Big whichever is applicable)	
4.	Manner of packaging: (a) Primary Packing (b) Secondary Packing (c) Transport Packing	
5.	Specification for primary, Secondary and Transport packages (whichever is applicable) Specification shall include: a) capacity, b) thickness, c) shape, d) size (LxWxH), e) brimful capacity, f) sealing system, g) Material of construction, Grade, h) Closure system, i) Gross/net weight of primary, secondary and transport packing,	
6.	Transport worthiness test (TWT) for proposed transport packing from NABL accredited lab. 1) Name of the Laboratory : 2) NABL/GLP Status (Validity of NABL/GLP Certificate): 3) Name of the Study - _____ 4) Period of the Study : From ____ to ____ 5) Number of Months/Days : 6) BIS specification followed : 7) Primary Packing taken for test : 8) Secondary Packaging Taken for Test : 9) Transport Packing Taken for test : 10) Whether the primary, secondary and transport packing taken for tests are same as proposed in Manner of Packing : Yes/No 11) Number of Samples taken for Test : 12) Details of the Tests Conducted :(to cover all type of proposed packing combinations -(Primary+Secondary+Transport) A. Vertical Drop Test BIS No. :	

	Scheme for Dropping Test : Test results : B.Stack Load Test : a) BIS No. : b)Scheme for Stack Load Test : c) Test results : C.Vibration Leak Test : a) BIS No. : b) Scheme for Vibration Test : c) Test results : D.Rolling Test: a) BIS No. : b) Scheme for Rolling Test : c) Test results : E.Inclined Impact Test : a) BIS No. : b) Scheme for Rolling Test : c) Test results : F.Any other Packaging Test under TWT as per IMDG / BIS /RC requirements : a) BIS No. : b) Test results :	
7.	Justification for change	
8.	Affidavit duly notarized regarding endorsement made earlier in respect of registration certificate	
9.	Label for New pack size (if applicable)	
