



सत्यमेव जयते

Government of India
Ministry of Agriculture & Farmers Welfare
Department of Agriculture & Farmers Welfare
Directorate of Plant Protection, Quarantine & Storage
NH-IV, Faridabad (Haryana)–121001

READY RECKONER

Central Insecticides Laboratory
DPPQ&S, FARIDABAD

Central Insecticides Laboratory (CIL)

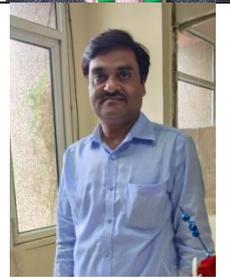
In India, there is a comprehensive legislation known as **Insecticides Act, 1968** which regulates the import, manufacture, sale, transport, distribution and use of insecticides with a view to prevent risk to human beings or animals and the matters connected therewith. By virtue of Section 16 of Insecticide Act, 1968, Central Government has established **Central Insecticides Laboratory (CIL)** on 28th February, 1981 by Gazette Notification under scheme "Implementation of Insecticides Act." CIL consist of four divisions as mentioned below

- ❖ Bioassay Division
- ❖ Chemistry Division
- ❖ Medical Toxicology Division
- ❖ Packaging & Processing Division

CONTACT DETAILS OF OFFICERS/ OFFICIALS OF APPA, SECRETARIAT

Sl. No.	Name	Contact	E-mail	Photo
1.	Dr. J. P. Singh APPA & Director, CIL	0129-2413014	ppa@nic.in	
2.	Mrs. Sukhninder Kaur PPS to APPA & Director, CIL	0129-2413014	cilfbd@nic.in	
3.	Mrs. Shweta Shukla Scientific Assistant	0129-2413014		
4.	Sh. Sant Ram Technical Assistant	0129-2413014		

CONTACT DETAILS OF OFFICERS/ OFFICIALS OF BIOASSAY DIVISION

SI No.	Name	Designation	Contact No.	E-mail	Photo
1.	Dr. Rajendra Singh	DD (PP) In-charge	0129-298712	biocil@nic.in	
2.	Dr G.K Bunker	DD (E)	0129-2987111	bunker.gk@gov.in	
3.	Sh. Akhilesh Kumar	AD (PP)	0129-298712	akhileshmathurkrppqs@gov.in	
4.	Dr. Jyothi G	AD (PP)	0129-298712	jyothig.88@gov.in	
5.	Sh. Pitamber Singh	PPO (E)	0129-298712	pitamber.singh@gov.in.com	
6.	Sh. Anil Kumar Singh	PPO (PP)	0129-2987111	anilsingh.85@gov.in	
7.	Dr. Vikas Kumar Harit	PPO (PP)	0129-298712	vikasharit.71@gov.in	

8.	Sh. S.K. Singh	PPO (E)	0129-298712	santosh2027@gov.in	
9.	Dr. Ekta Kumari	APPO(WS)	0129-298712	ekta.kumari@gov.in	
10.	Sh.S..K.Sharma	APPO (E)	0129298711 0	satenderk.sharma@gov.in	
11.	Sh.Nar Singh Yadav	APPO (E)	0129-298712	narsingh.1560@gov.in	
12.	Ms. Shweta Shukla	Scientific Assistant	0129298711 0	shweta.shukla@gov.in	
13.	Ms. Shaffali Yadav	Scientific Assistant	0129298711 0	shaffali.yadav@gov.in	
14.	Sh.Harichand,	Technical Assistant	0129- 2987111	h.chand1970@gov.in	

15.	Sh. ArunDutt Sharma	Mech.(Elect.)	0129-298712	adsharma06@gmail.com	
16.	Sh. Khem Chand	LT	0129-298712	-	
17.	Sh. Khem Chand	LT	0129-298712	-	
18.	Sh. Gaurav Sharma	M.T.S.	0129-298712	gouravking2001@gmail.com	

CONTACT DETAILS OF OFFICERS/ OFFICIALS IN THE CHEMISTRY DIVISION

Sl No.	Name	Designation	Contact No.	E-mail	Photo
1.	Dr Subhash Chand	Joint Dir (Chem.)	9811431994	subhash.chand69@gov.in	
2.	Dr Nidhi Dubey	Deputy Director (Chem.)	8076719518	nidhi.dubey@gov.in	

3.	Dr. Rajbir Yadav	Assistant Director(Chem.)	9899887870	rajbirdppqs@gmail.com	
4.	Dr. Raunaq	Assistant Director(Chem.)	7906840889	raunaq.muzammil@gmail.com	
5.	Mr. DilipKapgate	PPO (Chem.)	9871154862	dilip.3568@gov.in	
6.	Dr. Anil Sehajpal	PPO (Chem.)	7973827713	anil.sehajpal@gov.in	
7.	Sh. Anil Shandilya	PPO (Chem.)	9810712822	anilkumarshandilya21@gmail.com	
8.	Mr. Vivek Kant Gupta	PPO(PP)	9820488896	viveksahu.87@gov.in	
9.	Mr. Ali Ahmed	APPO (Chem.)	8299241082	ali.ahmed87@nic.in	

10.	Mr. PreetTyagi	APPO (Chem.)	9971406922	preet.tyagi44@gov.in	
11.	Mr. Selva Kumar	APPO (Chem.)	9366614444	n.selvakumar@nic.in	
12.	Dr. Nirmal Kumar Katiyar	APPO (Chem.)	9450107218	nirmal.katiyar83@gov.in	
13.	Mrs. Gunjan Bhatia	APPO (Chem.)	9910100046	gunjan.bhatia@gov.in	
14.	Mr. Mahendra Singh	APPO (Chem.)	9587953505	mahendragaina@gmail.com	
15.	Mr. Raman Kumar	APPO (Chem.)	9773704307	raman.kr89@gov.in	
16.	Mr. Vishal Yadav	APPO (Chem.)	9896107744	vishal.yadav96@gov.in	

17.	Mr. Krishan Kumar	APPO (Chem.)	7503876162	Krishan.kumar1992@gov.in	
18.	Miss Rimpymena	APPO (Chem.)	8107932584	rimpy.sign84@gov.in	
19.	Mr. Mahesh Kumar Gurjar	APPO (Chem.)	9001475046	mahesh.gjr166@gov.in	
20.	Mr. M.L. Meena	Instrument Technician	9868843845	mlmeena0207@gmail.com	
21.	Mrs. Archana Kumari	Scientific Assistant	9015696728	archanaFri1050@rediffmail.co.in	
22.	Mr. Alam Ali	Stenographer	07065733936	alam.ali@gov.in	

23.	Mr. Dinesh	MTS	-	gk538585@gmail.com	
24.	Mr Neeraj	MTS	97297860700	neerajrao700@gmail.com	
25.	Mr Ajay	MTS	8447767365	gk538585@gmail.com	
26.	Mrs.Anjali	MTS	8447767365	..	

CONTACT DETAILS OF OFFICERS/ OFFICIALS IN THE MEDICAL TOXICOLOGY DIVISION

Sl. No.	Name	Designation	Contact	Address	Photo
1.	Mr. P.S Khati	PPO (Toxicology)	9013520408	prakash.singh1@nic.in	

2.	Mrs Manisha Chikkara	APPO (Toxicology)	9467009889	manishachhikara2010@gmail.com;	
3.	Mr. P.K. Nagar	Technical Assistant	9911785121	-----	
4.	Mr. Kishan Ram	MTS	9999579440	-----	

CONTACT DETAILS OF OFFICERS/ OFFICIALS OF PACKAGING AND PROCESSING DIVISION

Sl. No.	Name	Designation	Contact no./Mobile No.	Address	Photo
1.	Sh. Vijay Kumar	Deputy Director (Chemistry)	0129-2476403	packcil@nic.in	
2.	Mr. Pardeep Singh	Assistant Plant Protection Officer (Chemistry)	0129-2476403	pardeep.singh85@gov.in	
3.	Ms. Anandhi, R.	Assistant Plant Protection Officer (Chemistry)	0129-2476403	anandhi.84@gov.in	
4.	ShDharminder Singh	Lab Tech.	01292476403	----	

CONTACT DETAILS OF OFFICERS/ OFFICIALS OF ADMISNISTRATION SECTION

Sl. No.	Name	Designation	Contact no./Mobile No.	Address	Photo
1.	Sh J.K.Meena	Section officer	0129-2476403	socil.ppq-s-agri@nic.in	
2.	Sh. Yashvendra Singh	ASO	0129-2476403		
3.	Sh. Vikram Malik	LDC	0129-2476403		
4.	Sh Dharminder Singh	Lab Tech.	01292476403	----	

Brief Description of Duties of APPA & Director (CIL)

1. Administration and overall supervision of Central insecticide laboratory.
2. Enforcement of regulatory measures on implementation of Insecticides Act, 1968 and other related matters.
3. Monitoring the activity of all division of CIL i.e. chemistry, medical toxicology, Bio-assay and packaging and processing towards the analysing the pesticides samples under insecticides Act 1968 and Insecticides rules 1971 for its successful implementation and achievement of desired goal.
4. Exercised all powers, duties and responsibilities as Head of the Office (HOO).
5. Supporting to Government of India in technical matters relating to Plant Protection.
6. Attending the work as a CPIO.
7. Attending the work assigned by the PPA time to time.

Brief duties of Personal Assistant (PA) in Central Insecticides Laboratory

1. Taking dictation and transcribe.
2. Maintaining records of files, diary & dispatch register.
3. Attending telephone calls, visitors and received samples parcels from all States.
4. Assisting in doing work related to RTI matters, urgent reply to DAC, Parliament Questions, administrative matters, EFC, Zonal Conferences and other meetings.
5. Maintaining confidential records.
6. Any other work assigned by the officer from time to time.

Bioassay Division

Introduction:

Bioassay division of Central Insecticides Laboratory (CIL) is established under rule 5(d) of insecticides Rules, 1971 of the Insecticides Act, 1968 under scheme "Implementation of Insecticides Act." under section 16 of Insecticide Act, 1968 on 28th February, 1981, by Gazette Notification.

WORK ALLOCATED TO OFFICERS/OFFICIALS OF BIOASSAY DIVISION

A. Laboratory work		
1.	Work as Divisional In-charge, Monitoring & supervision of all technical activities as well as administrative work.	Dr. Rajendra Singh, DD (PP)
2.	Co-ordination with different division & compilation of all technical & administrative reports, D.O. letter, Parliamentary questions etc.	Dr. G K. Bunker DD(E)
3.	Bio-pesticides Evaluation	1. Sh. Akhilesh Kumar, AD(PP) 2. Sh. Pitamber Singh, PPO(E) 3. Sh. S.K. Singh, PPO (E) 4. Sh Nar Singh APPO (E) 5. Ms Shaffali Yadav, SA
4.	Insecticides evaluation & potency test of Btk	1. Dr. Jyothi G PPO (PP) 2. Dr Ekta Kumari APPO(WS) 3. Sh. S. K Sharma APPO(E)
5.	Fungicides evaluation	1. Sh. Akhilesh Kumar, AD(PP) 2. Dr. Vikas Kumar Harit, PPO (PP) 3. Sh. Hari Chand T A 4. Shri Khemchand, MTS
6.	Household pesticides evaluation	1. Dr. G. K. Bunker, DD (E) 2. Shri. S.K. Sharma APPO (E) 3. Ms Shweta Shukla, SA
B. Field work		
1.	Field Evaluation of Insecticides	1. Dr. G. K. Bunker DD (E) 2. Pitamber Singh PPO(E) 3. Sh. S.K. Sharma APPO (E) 4. Sh. Hari Chand T A 5. Sh Khem Chand, MTS
2.	Field Evaluation of Fungicides	1. Dr. Vikas Kumar Harit 2. Sh. Nar Singh Yadav 3. Sh. Hari Chand, T A 4. Shri Khem Chand, MTS

3.	Field Evaluation of Herbicides	<ol style="list-style-type: none"> 1. Sh. S. K. Singh PPO(E) 2. Dr. Ekta Kumari, APPO 3. Sh. Nar Singh Yadav 4. Sh. Hari Chand T A 5. Shri Khemchand, MTS
C.	Coding of pesticide samples	1. Sh. Anil Kumar Singh PPO (PP)
D.	Monthly reports for field tests	<ol style="list-style-type: none"> 1. Dr. G K Bunker DD(E) 2. Anil Kumar Singh, PPO (PP)
E.	Monthly reports for Laboratory tests	1 Sh. Anil Kumar Singh, PPO (PP)
F.	Co-ordination cell-Compilation of monthly reports of CIL, D.O. Letters, Parliamentary questions and RTI	<ol style="list-style-type: none"> 1. Dr. G.K. Bunker, DD (E) 2. Ms Shweta Shukla S A 3. Shri. A. D. Sharma, Mechanic
G.	Maintenance of files, laboratory equipment's, dairy dispatch, RTI replies/reports	Shri. A. D. Sharma, Mechanic

DUTIES & RESPONSIBILITY OF STAFF OF BIOASSAY DIVISION,

Sl. No	Name & Designation	Assigned responsibilities
1.	Dr. Rajendra Singh Deputy Director (PP)	<ol style="list-style-type: none"> 1. Supervision and monitoring of all the technical and Administrative work of the division. 2. Prepare of all the proposal of procurement of equipment's &CPDW Work 3. All works related to NABL of the division such as NABL, applications 4. Monitoring of ILC programme, measurement of uncertainty and Z- Score. 5. Preparation of standard operating procedure for enhance the scope of NABL, 6. Day to day works of Bio assay division
2.	Dr. G. K. Bunker Deputy Director (E)	<ol style="list-style-type: none"> 1. Co-ordination of different units and compilation of fortnightly, monthly reports of CIL, D.O letters, court case Reports. 2. Monitoring of entomology laboratory and field evaluation of insecticides 3. Monitoring of Field and Laboratory evaluation of pesticides samples for Bio-efficacy and Phytotoxicity. 4. Monitoring of Household insecticides evaluation. 5. Specialized technology evaluation of insecticides in the bio-assay prospective.
3	Sh. Akhilesh Kumar Assistant Director (PP)	<ol style="list-style-type: none"> 1. Analysis of Bio-pesticides samples for their quality parameters. 2. Preparation of SOP enhance the scope of NABL. 3. Pathology laboratory work and NABL activities of the division 4. Evaluation of Bio-pesticides for PRV. 5. Maintenance of record of NABL activities. 6. Allotment of coded samples for analysis 7. Evaluation of Bio-pesticides and submission of evaluation reports to In-charge then coding officer.
4	Dr. Jyothi G Assistant Director (PP)	<ol style="list-style-type: none"> 1. Analysis of Bio-pesticides samples for their quality parameters 2. Preparation of SOP enhance the scope of NABL. 3. Insecticides evaluation & potency test of Bt of PRV samples 4. Preparation of SOP of Entomology work 5. Monitoring of insect cultures 6. Specialized technology evaluation of insecticides in the bio-assay prospective.
5	Shri Pitamber Singh PPO (E)	<ol style="list-style-type: none"> 1. Analysis of Bio-pesticides samples for their quality parameters 2. Field evaluation of laboratory of fungicides 3. Maintenance of log books and intermediate checks of instruments. 4. Maintenance of fungal /bacterial / referral cultures in the laboratory.

		5. Proposal of equipment, Glass ware & need based requirement for laboratory
6	Dr. Vikas Kumar PPO (PP)	<ol style="list-style-type: none"> 1. Laboratory and Field evaluation of insecticide samples for their Bio-efficacy 2. Analysis of Bio-pesticides samples for their quality parameters 3. Evaluation of herbicide under laboratory & field condition 4. Develop of Specialized technology evaluation of Pesticides in the bio-assay prospective
7	Sh. Anil Kumar Singh, PPO (PP)	<ol style="list-style-type: none"> 1. Receipt of PRV bio pesticides and pesticides samples 2. Coding of received samples and allotment of the samples to the respective units 3. Collection of evaluation reports and dispatch to the concerns. 4. All the correspondence related Investigational/ referral & PRV sample
8	Sh. S.K. Singh PPO (E)	<ol style="list-style-type: none"> 1. Analysis of Bio-pesticides samples for their quality parameters 2. Field evaluation of fungicides 3. Maintenance of log books and intermediate checks of instruments. 4. Maintenance of fungal /bacterial / referral cultures in the laboratory.
	Dr. Ekta Kumari APPO(WS)	<ol style="list-style-type: none"> 1. Laboratory and Field evaluation of insecticide samples for their Bio-efficacy 2. Evaluation of herbicide under laboratory & field condition 3. Develop of Specialized technology evaluation of herbicides in the bio-assay prospective
9	Sh. S.K. Sharma APPO (E)	<ol style="list-style-type: none"> 1. Insect culture maintenance 2. Evaluation of House hold pesticides 3. Field and laboratory evaluation of insecticide samples for their Bio-efficacy 4. Specialized technology evaluation of insecticides in the bio-assay prospective
10	Sh. Nar Singh APPO(E)	<ol style="list-style-type: none"> 1. Preparation of media for testing of quality permeates of Bio pesticides 2. Assist for revival of references culture as per SOP 3. Specialized technology evaluation of insecticides in the bio-assay prospective 4. Maintenance of stationary stocks of the division
11	Ms. Shweta Shukla Scientific Assistant	<ol style="list-style-type: none"> 1. Insect culture maintenance stored grain pest 2. Household insecticides evaluation Assisting the officers for compilation of fortnightly, monthly reports of CIL, D.O letters, Parliamentary questions and RTI etc. 3. Assisting the officer maintenance of stationary stocks of the division
12	Shri. Hari Chand Technical Assistant	<ol style="list-style-type: none"> 1. Assist to the of officer for field evaluation of herbicides 2. Insect culture maintenance field crop pest 3. Maintenance to the weed laboratory
13	Shri. ArunDutt Sharma, Mechanic	<ol style="list-style-type: none"> 1. Maintenance of laboratory equipment/machines 2. Maintenance of files, diary, leaves, dispatch, reply to RTI queries etc.

14	Shri. Khemchand, MTS	<ol style="list-style-type: none"> 1. Spraying of Insecticides, fungicides, herbicides in the field as per the protocols 2. Cleaning of laboratory equipment's & glassware 3. Dispatch work 4. Assisting coding officer for sealing of samples and dispatch of reports, letters 5. Any work assigned by senior officers
15	Sh. Gorav Sharma	<ol style="list-style-type: none"> 1. Cleaning of laboratory equipment's & glassware 2. Assisting coding officer for sealing of samples and dispatch of reports, letters 3. Any work assigned by senior officers

Internal link officer within division will function

Sl. No.	Name of the official	1st Link
1.	Dr. Rajendra Singh	Dr. G K Bunker
2.	Dr. G K Bunker	Sh. Akhilesh Kumar
3.	Sh. Akhilesh Kumar	Dr. Jyothi G
4.	Dr. Jyothi G	Sh. Anil Kumar Singh

STANDARD OPERATION PROCEDURE & TIMELINE FOR ANALYSIS AND REPORTING OF BIO-PESTICIDES SAMPLES IN BIOASSAY DIVISION,

Sl. No.	Activity	Under supervision of / Done By	Remarks	Timeline duration (in days)
1.	Received sample	Coding Officer PPO (E)	<ul style="list-style-type: none"> ➤ Physical Check of samples and coding. ➤ Entry in Coding register and distribution of samples to the respective groups for analysis. 	2 days
2.	Analysis of samples	AD (PP) /PPO (PP)/ Analyst APPO	<ul style="list-style-type: none"> ➤ Experiment for <i>Cfu</i> test, other contaminants and bacterial contaminants. ➤ Microscopic identification of bio-pesticides molecule. ➤ Slide preparation and staining of bacterial bio-pesticides. 	7 days (Results will come after 7 days of incubation)
			<ul style="list-style-type: none"> ➤ Preparation for antagonistic test (to grow both antagonist & pathogenic culture) 	7 days (Results will come after 7 days of incubation)
			<ul style="list-style-type: none"> ➤ Testing of antagonistic capability. ➤ Testing of pH, moisture content and Suspensibility 	7 days (Results will come after 7 days of incubation)
3.	Calculation of results, preparation and submission of Analytical test reports (ATR) to the group heads.	AD ((PP)/ PPO (PP)/ APPO	-----	5 working days
4.	Verification and Signature by the In-Charge/ Head	JD (Bio)/ Officer In-Charge	-----	2days
5.	Submission of ATR to Coding officer for decoding and forwarding to CIB & RC/ Sender.	Coding officer /PPO (PP)	-----	2 days

Standard Operating Procedure for Testing of bioefficacy & phytotoxicity of pesticide at field under rule of Insecticide Rule, 1971

Types of Pesticides samples received by Bio-assay division

Sl. No	Type of pesticides	Field/laboratory test
1	Insecticides	Field
2	Fungicides	Field
3	Herbicides	Field
4	House hold pesticides	Field/ Under controlled in house laboratory conditions
5	Bio-pesticides	Field/ Under controlled in house laboratory conditions

Evaluation Procedure:

The target pesticide samples at recommended dose and double the recommended dose (g a.i/ha) are evaluated for their Bio-effectiveness and phytotoxicity on targeted insect pests/diseases/ weeds/domestic pests on recommended crops/conditions as per CIB&RC recommendations.

The field experiments are conducted on recommended crops in farmers' fields, available during respective cropping seasons based on the availability of recommended crop, its stage and target pests and stage of target pest and weather conditions. Sometimes it is delayed following non availability of specialized and target pests/stages of pest.

The laboratory experiments are conducted on target pathogen and domestic pests under controlled conditions of the Laboratory.

Standard Operating Procedures and Time Line for testing of Bioefficacy & phytotoxicity of Pesticide at field level

Sl. No	Activity/procedure	Under the supervision of/Done by	Timeline
1	Receipt of sample	Coding Officer/PPO(E)	
2	Physical check of the sample, sealing, document verification, coding and detailed entry into coding register	Coding Officer/PPO(E)	The day of receipt of sample
3	Distribution of coded sample to concerned	Coding Officer/PPO(E)	1 working day
4	Receipt of sample at concerned unit	Individual Unit head /Entomology, Pathology, Herbicides and Household unit	Same working day
5	<p>Evaluation at Field /laboratory conditions</p> <ul style="list-style-type: none"> a. Recommended crop and Target pest/disease/ weeds consideration as per CIB&RC list of registered insecticides b. Crop and pest/disease survey and Identification of field for experiment c. Layout of Experimental field and Pre-count of target pest/diseases and Initiation of field experiment/spray d. Observation and recording the data at recommended intervals for Bio-efficacy and Phytotoxicity 	Respective APPOs/APPO(E)/APPO(P P)/APPO(WS)	25working days

6	Report preparation and submission	Respective APPOs/APPO(E)/APPO(P)/APPO(WS)	2 working days
7	Verification of results and submission of report to In-charge.	Individual Unit head /Entomology, Pathology, Herbicides and Household unit	1 working day
8	Approval results and Forward of report to coding officer	In charge-Bioassay Division	Same working day
9	Receipt of report, decoding and dispatch of report in prescribed proforma to respective State Insecticide inspector/Central Insecticides Inspectors and Honourable Court	Coding Officer/PPO(PP)	2 working days

GOALS & OBJECTIVES OF BIOASSAY DIVISION,

ACTIVITIES OF THE DIVISION:

- To discharge the techno-legal requirement as specified under Rule 5(d) of Insecticides Rule 1971.
- Evaluation of pesticides for Bio-effectiveness and Phytotoxicity
- Development of bioassay techniques for quality control.
- Evaluation of bio-pesticides on quality control parameters.
- Preparation of information/material and training of scientists / analysts.

PERIODIC REPORTS/RETURNS

Sl. No.	Subject	To whom	Frequency
1.	Testing of Bio-pesticides/ Insecticides/Herbicides and House hold insecticides	PPA/ Planning and Coordination Cell	Fortnightly /Monthly
3.	Arbitration/ Court Cases	PPA/ Planning and Coordination Cell	Fortnightly /Monthly
4.	Sub-mission on Plant Protection and Plant Quarantine (SMPP)	PPA/ Planning and Coordination Cell	Fortnightly /Monthly

The details of past years of sample tested at Bioassay division:

Year	Capacity	Sample analysed
2013-14	Chemical Pesticides-60 Bio-pesticides- Not fixed	Chemical Pesticides-64 Bio-pesticides- 107
2014-15	Chemical Pesticides-60 Bio-pesticides- Not fixed	Chemical Pesticides-75 Bio-pesticides- 128
2015-16	Chemical Pesticides-60 Bio-pesticides- Not fixed	Chemical Pesticides-71 Bio-pesticides- 132
2016-17	Chemical Pesticides-60 Bio-pesticides- Not fixed	Chemical Pesticides-63 Bio-pesticides- 75
2017-18	Chemical Pesticides-60 Bio-pesticides- Not fixed	Chemical Pesticides-61 Bio-pesticides- 135
2018-19	Chemical Pesticides-60 Bio-pesticides- Not fixed	Chemical Pesticides-36 Bio-pesticides- 120
2019-20	Chemical Pesticides-60 Bio-pesticides- Not fixed	Chemical Pesticides-36 Bio-pesticides- 222
2020-21	Chemical Pesticides-60 Bio-pesticides- Not fixed	Chemical Pesticides-19 Bio-pesticides- 140
2021-22	Chemical Pesticides-60 Referral / Investigational- Not Fixed Bio-pesticides- Not fixed(PRV)	Chemical Pesticides-43 Bio pesticide - 87 Bio-pesticides- 413
2022-23	Chemical Pesticides-60 Referral / Investigational- Not Fixed Bio-pesticides- Not fixed(PRV)	Chemical Pesticides-46 Bio pesticide - 44 Bio-pesticides- 367
2023-24	Chemical Pesticides-60 Referral / Investigational- Not Fixed Bio-pesticides- Not fixed(PRV)	Chemical Pesticides- 50 Bio pesticide - 41 Bio-pesticides- 293

CHEMISTRY DIVISION

WORK ALLOCATED TO CHEMISTRY DIVISION OF CIL

The following works have been allocated to Chemistry Division of Central Insecticides Laboratory:

- to analyse such samples of insecticides sent to it under the Act by any officer or authority authorized by the Central or State Governments and submission of certificates of analysis to the concerned authority;
- To carry out such investigations as may be necessary for the purpose of ensuring the conditions of Registration of Insecticides
- To carry out such other functions as may be entrusted to it by the Central Government or by a State Government with the permission of the Central Government & after consultation with the Central Insecticides Board.

Types of Samples analyzed in Central Insecticides Laboratory (CIL):

1. **Referred sample analysis:** (through Honorable courts or Central/ State Governments) collected by Insecticides Inspectors (2nd portion out of 3 portions collected by Insecticides Inspector during Post-Verification Quality Control) from manufacturer/Importer/Dealer are sent by hand, by post or by courier.
2. **Pre-registration verification sample analysis:** Received through CIB & RC for analysis prior to giving registration
3. **Investigational Sample Analysis:** Received through Hon'ble courts, Central/State Govt. Authorities, Customs, and Revenue Department etc.

Additional activities

- a. Technical guidance & support to SPTLs/RPTLs
- b. To assist FAD, BIS to formulate Indian Standards for pesticides and their formulations

WORK DISTRIBUTION AMONGST THE OFFICERS/ STAFF IN CHEMISTRY
DIVISION

Shri Subhash Chand, Joint, Director (Chem)/In-charge:

1. Dr. Nidhi Dubey, Deputy Director (Chemistry)

- Proficiency Testing, Inter Laboratory Comparison related work related to NABL
- All works related to NABL of the division such as NABL, applications
- Monitoring of ILC programme, measurement of uncertainty and Z- Score.
- Preparation of standard operating procedure for enhance the scope of NABL,
- Day to day works of Chemisrty Division

2. Dr. Rajbir Yadav, Asstt. Director (Chem):

- Analytical group head – I
- Analysis of referral samples
- Analysis of Pre-registration verification samples
- Proficiency Testing, Inter Laboratory Comparison related work related to NABL

3. Sh. Anil Shandilya, PPO (Chem):

- Analytical Group head – II
- Analysis of referral samples
- Analysis of Pre-registration verification
- Purchase, procurement & maintenance of all major and minor technical instruments, chemical and any other item.
- Coordinate with local purchase committee (LPC) for procurement of various chemicals and consumables as per requirements.

4. Sh.. Vijay Kumar, D.D. (Chem):

- Analytical Group head – III
- Analysis of referral samples
- Analysis of Pre-registration verification

5. Mr. Dilip Kapgate, PPO (Chem):

- 1st Coding Officer
- Opening and Coding of the referral samples received from different states and through honorable court and further distribution of samples to for 2nd Coding officer for analysis.
- Maintaining the records of details of the samples
- NABL documentation related work (QM, QSP, QSF, SOP etc.) along with Smt.ManjuBala, APPO (Chem)
- Procurement of Chemicals/Glassware/CRMs and laboratory equipment

6. Mr. Vivek Kant Gupta, PPO(PP):

- 2nd Coding Officer
- Coding of the referral samples received from 1st Coding Officer and further distribution of samples to Analytical Group Heads for analysis.
- Maintaining the records of details of the samples distributed and analysed

7. Mr. Ali Ahmed, APPO (Chem):

- Analysis of referral samples
- Analysis of PRV samples
- Assisting in NABL related documentation work
- Analysis of investigational samples
- Maintenance of waters HPLC, enhancement of scope of NABL

8. Mr. N Selva, APPO (Chem)

- Analysis of referral samples
- Analysis of PRV samples
- Assisting in NABL & ILCP /PT related documentation work
- Critical consumable analysis and maintenance of UV- Vis and its calibration .
- Analysis of investigational samples.

9. Mahendra Singh , APPO (Chem)

- Analysis of referral samples
- Analysis of PRV samples
- Assisting in NABL & ILCP /PT related documentation work
- Critical consumable analysis and maintenance of UV- Vis and its calibration .
- Analysis of investigational samples.

10. Dr. Nirmal Kumar Katiyar, APPO (Chem)

- Analysis of referral samples
- Analysis of PRV samples
- Assisting in NABL related documentation work
- Analysis of investigational samples
- Assisting In-charge in daily activities

11. Mr. Preet Tyagi, APPO (Chem)

- Preparation & compilation of ATR of referee samples,
- Statistics and record , dispatch of ATR through electronic means to state Agri. Dept. And other authorities
- Assisting in maintenance of CRMs and technical standards
- Reply of queries related to RTI, CPGRAMS, Parliament Questions, DAC, etc.
- Preparation and Compilation of database of monthly and annual reports, other statistics.

12. Dr. Gunjan Bhatia, APPO (Chem)

- Analysis of referral samples
- Analysis of PRV samples
- Analysis of investigational samples

13. Sh. Vishal Yadav , APPO (Chem)

- Analysis of referral samples
- Analysis of PRV samples
- Analysis of investigational samples
- Maintenance of Chemical store & Stock record and pH meter.

14. Sh. Krishan Kumar , APPO (Chem)

- Analysis of referral samples
- Analysis of PRV samples
- Analysis of investigational samples
- Supervision of Housekeeping , maintenance of Environment conditions & Analytical balance calibration.

15. Sh. Raman kumar , APPO (Chem)

- Analysis of PRV samples
- PRV and Investigational samples related work.

16. Sh. Mahesh Kumar Gurjar , APPO (Chem)

- Analysis of referral samples
- Analysis of PRV samples
- Analysis of investigational samples
- Maintenance and calibration of Glassware store & stock record.

17. Ms. Rimpay Meena , APPO (Chem)

- Analysis of referral samples
- Analysis of PRV samples
- Analysis of investigational samples
- PRV and Investigational samples related work.

18. Mr. M.L. Meena, Instrumentation Technician

- Maintenance of equipments
- Maintenance of instruments related UPS, Gas cylinders etc.
- Maintenance of glassware stock
- Assisting analysts in their daily analysis
- All work related to CPWD

A. Mr. Alam Ali , Stenographer

- Diary & Dispatch of all Referral, PRV and Investigational reports.
- Receipt & distribution of daily Dak.

- Maintenance of Archive room.

B. Mrs. Archana Kumari, TA

- To assist 1st Coding Officer
- Maintenance of records pertaining to samples received in division
- To assist in distribution of samples for analysis

C. Mr. Ajay, Multi Tasking Staff

- Dispatch of dak to head quarters and CIB & RC
- Cleaning of glassware
- Maintenance of balance room

D. Mr. Neeraj, Multi Tasking Staff

- Cleaning of glassware
- Distribution of samples to respective analytical group heads
- Dispatch of dak to head quarters and CIB & RC

E. Mr. Dinesh, Multi Tasking Staff

- Cleaning of glassware
- Cleaning and dusting of all rooms/ housekeeping
- Distribution of samples

GOALS& OBJECTIVES:

- To analyse the pesticides samples
- To encourage the staff for updating them by attending the training.
- To enhance the scope of NABL
- To maintain the NABL accreditation
- To modernise the lab and strengthen the staff position.
- To achieve the CPIAS for maintaining more transparent system.
- Technical guidance & support to SPTLs/RPTLs

ACHIEVEMENTS

Capacity & Achievements

The details of Past years of sample testing are as follow:

Year	Annual Capacity	Sample analysed
2014-15	1600	1049
2015-16	1600	1072
2016-17	1600	1063
2017-18	1600	1221
2018-19	1600	1751
2019-20	1600	904
2020-21	1600	1197
2021-22	1600	1382
2022-23	1600	1394
2023-24	1600	1571

Other Achievements (For the period of 01st April, 2023 to March 2024)

NABL Accreditation:

The Central Insecticides Laboratory has obtained the renewal Certificate of Accreditation by National Accreditation Board for Testing and Calibration Laboratories(NABL) ISO/IEC 17025:2017 in the field of Biological and Chemical testing with the validity up to 12.11.2024.

Desktop Surveillance as required by National Accreditation Board for Testing and Calibration Laboratories(NABL) under ISO/IEC 17025:2017 in the field of Biological and Chemical testing completed successfully on 07.11.2023

FTIR for analysis of samples was procured in Chemistry division.

Training: Officers attended training at NITS, Noida for ISO:17025:2017, MU and ILC

&PT.

Standard Operating Procedure for analysis and reporting of Referee Samples in Chemistry Division

Sl. No.	Activity	Under the Supervision of / Done By	Remarks
1.	Receipt of Sample in the Chemistry Division	I st Coding Officer	<ul style="list-style-type: none"> Physical check of sample for proper packing and sealing of Insecticide Inspector/Court Detailed entry into the receipt register
2.	Making of portions of the sample & their distribution to II nd Coding Officer along with their respective First Codes	I st Coding Officer	<u>First Level of Coding (First Code)</u> Separate Codes to individual samples
3.	Marking of the sample portions with II nd Code & their distribution to individual Analytical group Heads	II nd Coding Officer/	<u>Second Level of Coding (Second Code)</u>
4.	Marking of the sample portions with III rd Code & their distribution to individual Analysts of respective analytical groups	Analytical Group Heads	<u>Third Level of Coding (Third Code)</u>
5.	Analysis and Calculation of Results &	Individual Analysts [APPO (Chem)]	
6.	Submission of report to Respective Group Heads (handwritten reports)	Individual Analysts [APPO (Chem)]	
7.	Verification of Results and submission of reports to II nd Coding Officer	Respective Analytical Group Heads	<u>Third Level of Decoding</u>
8.	Decoding of samples from II nd to I st Code	II nd Coding Officer	<u>Second Level of Decoding</u>
9.	Bunching together of reports of individual sample in presence of I st Coding Officer	I st Coding Officer & II nd Coding Officer	
10.	Submission of Bunch to In-charge	II nd Coding Officer	
11.	Compilation of reports of each sample in bunch for final approval from APPA (CIL)	In-charge, Chemistry Division	

12.	Approval of results of reports	APPA (CIL) in presence of In-charge	If any report is marked to be repeated by APPA (CIL), the information is shared with I st Coding Officer for re-distribution followed by re-analysis through the same three tier coding system
13.	Preparation of Selected Analytical Test Report (ATR-Final Draft-Hard Copy Print)	In-charge, Chemistry Division	
14.	Verification and signature of Final Print of ATRs by concerned Analytical Group Heads and submitted back to In-charge, Chemistry Division	Respective Analytical Group Heads	Entry of I st Code and related details also made in their respective registers by Analytical Group Heads
15.	Decoding of details of samples (like name and communication reference of sender, batch no., mfg. & expiry date and codes of sample) and submission to In-charge, Chemistry Division	I st Coding Officer	
16.	Preparation of four copies of final drafts reports to be sent to the respective Court of Law/ Insecticides Inspector/ concerned officer of Agriculture Department	In-charge, Chemistry Division	
17.	Verification and signature of Final Drafts of reports by I st Coding Officer and submitted back to In-charge, Chemistry Division	I st Coding Officer	
18.	Verification of Final Drafts of reports by In-charge	In-charge, Chemistry Division	
19.	Submission of final reports for Signature by APPA (CIL)	In-charge, Chemistry Division	
20.	Embossed Sealing, Stamping of four copies as Original, Duplicate, triplicate & Quadruplicate and serial numbering of all final reports accordingly	Technical Assistant in presence of In-charge, Chemistry Division	

21.	Dispatch of two copies (Original & Duplicate) hard copies of final reports through registered post	Technical Assistant	
22.	Electronic Dispatch of soft copies of reports through e-mail to Competent Authority of State Agriculture Department	Technical Assistant, in presence of In-charge, Chemistry Division	
23.	Triplicate copies kept under the custody of In-charge Chemistry Division	In-charge Chemistry Division	
24.	Quadruplicate copies along with original FRs and Original graphs, etc. archived state wise/year wise	Technical Assistant	

Standard Operating Procedure for analysis and reporting of PRV & Investigational Samples in Chemistry Division

Sl. No.	Activity	Under the Supervision of / Done By	Remarks
1	Receipt of Sample in the Chemistry Division	In-charge, Chemistry Division	<ul style="list-style-type: none"> • Physical check of sample for proper content as claimed • Detailed entry into the receipt register • Allocation of Lab Code • Making of test portions of sample for analysis
2	Distribution of test sample portions to Analytical Group Heads	In-charge, Chemistry Division	
3	Analysis and Calculation of Results & Submission of test report to Respective Group Heads (handwritten reports)	Individual Analysts [APPO (Chem)]	
4	Verification of Results and submission of test reports to In-charge, Chemistry Division	Respective Analytical Group Heads	
5	Preparation of final test reports for approval from APPA (CIL)	In-charge, Chemistry Division	
6	Dispatch of test reports to concerned departments (PRV to CIB&RC/ Investigational to Customs/DRI)	Technical Assistant	
7	Office copies kept under the custody of In-charge Chemistry Division	In-charge Chemistry Division	

Medical Toxicology Division

MEDICAL TOXICOLOGY DIVISION

Background:

Pesticides are inherently toxic in nature; they are more likely to affect the health of human beings, particularly in agricultural sector. In India, there is a comprehensive legislation known as **Insecticides Act, 1968** which regulates the import, manufacture, sale, transport, distribution and use of insecticides with a view to prevent risk to human beings or animals and the matters connected therewith. By virtue of the Section 16 of the said Act, the Central Government has established a **Central Insecticides Laboratory by notification in gazette.**

The **Medical Toxicology Division** is created in CIL in order to verify the safety claims made by the manufacturers of pesticides in the field of Toxicity Study which is also approved by EFC. This Division has to generate data and advice to the Government to take suitable course of action. In such cases, there is a need for adopting the risk management strategy in order to reduce the hazards to the human beings and the environment. For this purpose, various objectives were decided to undertake earlier like Acute, Oral/Dermal LD 50 study, Short term studies/ Sub-acute/ sub-chronic toxicity study, Chronic toxicity study, Health monitoring study training to Medical doctors on Diagnosis, Management and Treatment of Pesticide Poisoning.

Function and Objectives:

- a. Toxicity/Safety evaluation/status of pesticides by **conducting Acute Oral LD 50 Toxicity Study in albino rats** on the pesticides samples received from different state governments for post verification.
- b. Toxicovigilance activities regarding pesticides and related health effects by collecting data on **Current status of Pesticide Poisoning Cases** for Safety Evaluation and Status of notification of functionaries for reporting poisoning cases through Zonal Conferences.
- c. Training on **safe and judicious use of pesticides** for users/farmers and distribution of booklets to the farmers published by the Division periodically.
- d. Preparation of technical material on pesticide toxicity.

WORK DISTRIBUTION AMONGST THE OFFICERS/OFFICIALS

1. Mr. P S Khati, PPO (Toxicology):

Overall in charge of Animal house, updating animal house related document, conducting CPCSEA meeting, communication & maintenance of animal house & related documents.

2. Mrs. Manisha, APPO(Tox):

Conducting Acute Oral Toxicity Study, Standardization of Acute Dermal Toxicity study, maintenance & updating of NABL related document, procurement & calibration of equipment & record keeping

3. Mr. P K Nagar, T A:

Record keeping related to animal house maintenance, Supervision of Animal House Maintenance, Dak-dispatch postings. Supervising animal house routine work i.e. cage changing, watering, feeding disposal of animal waste.

4. Mr. Kishan Ram, MTS:

To attend In charge office assistance duty, Assistance in care of breeding maintenance of animals, performing holidays duty, dak riding and cleaning & dusting of laboratory rooms equipments etc

TARGET & ACHIEVMENT OF DIVISION

Acute Oral Toxicity Study (LD50):

Year	Annual Capacity	Achievements (in terms of No. of samples analysed)
2010-11	20	20
2011-12	20	20
2012-13	20	20
2013-14	20	20
2014-15	20	20
2015-16	20	20
2016-17	20	20
2017-18	20	20
2018-19	20	20
2019-20	20	20
2021-22	20	06
2022-23	20	20
2023-34	20	04

ACHIEVEMENTS

Training imparted to about more than 300 Farmers of various villages of Haryana state covered in FFS on “Safe and Judicious use of Pesticide” during last 6 years.

PACKAGING AND PROCESSING DIVISION

WORK ALLOCATED TO PACKAGING & PROCESSING DIVISION

Introduction

Packaging and processing division of CIL receives Pesticides sample from various state department for verification of packaging, labelling and leaflets claim as approved by CIB&RC. The major role of the division given as under-

The following works have been allocated to Packaging & Processing division: -

- a.** Pre and post registration verification of packaging and labeling claims/ requirements made by the manufactures/registrants in the Registration certificate issued by CIB&RC.
- b.** Pre and post verification of packaging material used in the packaging as approved by CIB&RC.
- c.** Verification / analysis of the packaging and labeling samples received under section 5 (C) of the Insecticides Rules, 1971 in the context of conditions laid down on the certificate of registration issued under Insecticides Act,
- d.** Technical guidance to the Bureau of Indian Standards, in formulating, updating and amending the standard of pesticides quality control, safety storage, transportation and use.
- e.** Verification of shelf life data of the pesticides sample received from the Secretariat of Central Insecticides Board and Registration Committee.
- f.** To render technical guidance to the state department of agriculture functionaries and other Scientific bodies dealing with matters relating to the packaging, labeling, quality control, safety and other aspects of pesticides.

**WORK DISTRIBUTION AMONGST THE OFFICERS/ STAFF UNDER
PACKAGING & PROCESSING DIVISION**

Jobs and responsibilities of Packaging and Processing Division

S.N	Name	Designation	Responsibility of staff
1.	Sh. Vijay Kumar	Deputy Director (Chemistry)/ In-charge	To supervise and complete the work allocated by Director (CIL) as overall in-charge of Packaging and Processing Division and Supervise sub-ordinate officials in efficiently discharging the work allocated to them. To look supervise the work related to sample distribution, report finalization. Discharge responsibility for planning, organizing, supervising, evaluating and interpreting of the results and future course of action and improvement in quality of result.
2.	Sh. Pradeep Singh	APPO(Chemistry)	<ol style="list-style-type: none"> 1. To undertake the analysis of pesticides and their formulation by using modern sophisticated instruments like GLC, HPLC, UV and FTIR etc. 2. To undertake testing of samples allotted to them, preparation of standard solution, their standardization, equipment calibration, glassware calibration and other analytical activities. 3. Pre and post registration verification of packaging and labelling claims/ requirements made by the manufactures/registrants. 4. Pre and post verification of packaging material used in the packaging of pesticides and Verification / analysis of the pesticide samples received from different states for packaging, labelling, and leaflet of samples received under section 5 (C) of the Insecticides Rules, 1971 in the context of conditions laid down on the certificate of registration issued under Insecticides Act 1968. 5. Preparation of test reports, monthly reports & records for annual data. 6. To monitor the up-keep of the record of gas cylinders like Nitrogen, Zero air and Hydrogen.

			<ol style="list-style-type: none"> 7. Coordinate and ensure the timely dispatch of reports results and other official letters etc. 8. Testing of pesticide samples for shelf life studies received from CIB&RC. 9. Any other work towards as assigned by higher officials from time to time.
3.	Ms. R. Anandhi,	APPO(Chemistry)	<ol style="list-style-type: none"> 1. To undertake the analysis of pesticides and their formulation by using modern sophisticated instruments like GLC, HPLC, UV and FTIR etc. 2. To undertake testing of samples allotted to them, preparation of standard solution, their standardization, equipment calibration, glassware calibration and other analytical activities. 3. Pre and post registration verification of packaging and labelling claims/ requirements made by the manufactures/registrants. 4. Pre and post verification of packaging material used in the packaging of pesticides and Verification / analysis of the pesticide samples received from different states for packaging , labelling, and leaflet of samples received under section 5 (C) of the Insecticides Rules, 1971 in the context of conditions laid down on the certificate of registration issued under Insecticides Act 1968. 5. Preparation of test reports, monthly reports & records for annual data. 6. To monitor the up-keep of the record of gas cylinders like Nitrogen, Zero air and Hydrogen. 7. Coordinate and ensure the timely dispatch of reports results and other official letters etc. 8. Testing of pesticide samples for shelf life studies received from CIB&RC. 9. Any other work towards as assigned by higher officials from time to time.
4.	Sh. Dharmender Singh	MTS	<ol style="list-style-type: none"> 1. To assist analysts for all laboratory estimations and experiments. 2. Responsible for movement of files/indents and other office secretariat work. 3. Shall ensure that laboratory rooms/equipment and glassware's are kept clean and disposal of waste chemical material is done as directed.

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| | | | <ol style="list-style-type: none">4. To carry out any other work/instructions given by the senior officers and assist in dispatch the reports of analysis.5. To keep the record of gas cylinders like Nitrogen, Zero air and Hydrogen. |
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Standard operating procedure for analysis and reporting of pesticides sample in packaging and processing division

S.N	Activity	Under the supervision of/done by	Days Required	Remarks
1.	Receipt of sample	First coding / In-charge /PPOs	01	<ul style="list-style-type: none"> Physical check of sample for proper packing and sealing of state insecticide inspector/ UT insecticide Inspector. Detailed entry into the receipt registers. checking of required documents as per check list for verification of label and leaflet.
2.	Marking of the sample portion with code and their distribution to individual analyst	In-charge /First coding	01	<ul style="list-style-type: none"> First level of coding (first code)
3.	Analysis of sample for label and leaflet claim and preparation of analytical test reports (ATR-Final draft -Hard copy print)	APPO(chemistry)/In-charge	02	
4.	Verification of result and submission of reports to first coding officer	In-charge of Division	01	<ul style="list-style-type: none"> First level of decoding.
5	Approval of results/ draft ATR reports by APPA(CIL)/In-charge CIL	APPA (CIL) in presence of In-charge of division.	02	<ul style="list-style-type: none"> Detail of reports marked as repeat given to first coding officer for reanalysis
6	Preparation of final draft of reports to be sent to sender.	APPO(chemistry)/In-charge	01	
7.	Dispatch of hard copy of report in original duplicate through registered post.	APPO(chemistry)/Dispatch Section (Admin-3)	02	

System of Testing:

A. At present in packaging and processing Division for sample under rule 5(c) following system is followed:

Step 1-The sample received at Reception of (CIL) and entered in register and allotted a code no.

Step2- Then the sample is received by the In-charge P&P Division and the same is entered in the coding register and provided divisional code.

Step3- The sample is then allotted to analyst for verification of the conditions of the Certificate of registration for packaging and labelling requirements.

Step4-The deficiency observed is communicated to the concerned authority and correct documents are being sought.

Step 5- The sample packing and label and leaflets are then analysed for the conditions of CR.

Step6- The observations are recorded in prescribed report format and communicated to the concerned authority with a copy to the manufacturer/ importer of the pesticide after the approval of competent authority.

B. For shelf life (a.i content) testing the following system is followed

Step 1-The sample received at Reception of (CIL) and entered in register and allotted a code no.

Step2- Then the sample is received by the In-charge P&P Division and the same is entered in the coding register and provided divisional code and sample testing plan is finalized.

Step3- The sample is then allotted to analyst for verification/ analysis of the active ingredient (a.i.) content as per the pre-defined schedule.

Step4- The sample packing, a.i. is then analysed as per the claim and BIS method or RPS method for that pesticide.

Step6- The observations are recorded in prescribed report format and communicated to the concerned with the approval of competent authority.

PERIODIC REPORTS

Sl. No.	Subject	To whom	Frequency
1.	Progress report of Samples	Coordination Section	Monthly/Fortnightly
2.	Analytical test report of tested samples	APPA(CIL)/ Sate agriculture department	As and when tested and approved by APPA(CIL)
3.	Monthly D.O.	Coordination Section	Monthly
4.	Material for monthly summary on Cabinet notes etc.	Coordination Section	Monthly
5.	RTI report	Coordination Section	Monthly & Fortnightly
6.	Court cases	E-I Section/Online	Monthly & Fortnightly
7.	Procurements of chemicals / CRM	SO(CIL)	Fortnightly
8.	Maintenance and AMC of Analytical instruments	SO(CIL)	Half-yearly
9.	CPGRAMS	Coordination Section	Monthly

OBJECTIVES (SHORT-TERM/ MEDIUM TERM/LONG TERM)

OBJECTIVES:

- a. Pre and Post registration verification of the packaging and labeling claims/ requirements made by the manufacturers / registrants.
- b. Verification / analysis of the Packaging & labeling samples received under Rule 5 (C) of the Insecticides Act, 1968 and rules there under in the context of the conditions laid down on the certificate of registration issued under Insecticide Act, 1968.
- c. Technical guidance to the BIS, in formulating, updating and amending the standards of pesticides quality control, safety, storage, transportation and use etc.
- d. Imparting training to the enforcement functionary of states/ U.Ts on various aspects of pesticides relating to packaging & processing, labeling and other required parameters.
- e. Verification of data on shelf life claims of pesticides and their formulations as per protocol approved by the registration committee and Bureau of Indian Standards (BIS) on quality control & packaging.

Medium Term priorities:

Procurement of latest modern analytical Instruments/ equipment for Testing of Packaging Material to enhance and strengthen the Testing facilities in Packaging and Processing Division.

Long Term Priorities:

- ✓ The Central Insecticide Board has approved for implementing the Scheme to carry out for Testing Storage Stability Studies data (SST) in three locations. The selected locations should represent diverse climatic conditions of the country especially from the viewpoints of maximum and minimum temperatures besides one of the coastal location. Out of the three selected locations, one location is identified at the Packaging & Processing division of Central Insecticide Laboratory, Faridabad.
- ✓ Efforts are to be made for strengthening the Technical man power, equipments etc. to carry out the Storage Stability Studies data (SST) analysis in the Packaging & Processing division of Central Insecticide Laboratory.
- ✓ To develop and implement Central Pesticide Information System (CPAIS) in CIL & two RPTLS for the online generation of test reports and displaying of online status for various types of samples received in the Laboratories and strengthening of e-Governance in CIL and RPTLS.

Target/achievements:

Based on the available records Packaging Division as a part of CIL has annual declared Capacity of sample testing is 150.

The details of past years of sample testing are as follow:

Sl. No.	YEAR	Annual Capacity	No. of samples received during the period	No. of samples analysed during the period
1.	2014-15	150	34	34*
2.	2015-16	150	35	35*
3.	2016-17	150	65	65*
4.	2017-18	150	54	54*
5.	2018-19	150	52	52*
6.	2019-20	150	39	39*
7.	2020-21	150	24	24*
8.	2021-22	150	61	61*
9.	2022-23	150	17	21*
10.	2023-24	150	02	35*

Note: *-includes the no. of samples under analysis for shelf life as per schedule and pending samples of previous years.
