FMC | An Agricultural Sciences Company

Cheminova India Limited
Intermediate Division
(27+28)/A, GIDC Estate,
Panoli - 394 116
Dist. Bharuch (Gujarat)
India.
cheminova.panoli@fmc.com
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CIN NO. U24100MH1986PLC038627

Date: 18-04-2025

Ref.: CIL-I/EC-Comp/01/2025

To,
The Ministry of Environment, Forests & Climate Change
Scientist C, Integrated Regional Office,
Aranya Bhavan, Sector-10,
Gandhinagar – 382 010

Sub: Submission of Compliance Report of M/s. Cheminova India Limited (Intermediate Division) for our EC No. IA-J-11011/53/2018-IA-II (I), dated 31/12/2019 for the period of October 2024 to March 2025.

Respected Sir,

In accordance to the condition specified in our EC, we hereby submit duly filled datasheet for monthly Monitoring report (**October 2024 to March 2025**) for implementation of stipulated conditions of our EC together with point wise compliance status of various stipulations.

Following are the Annexure to this report:

Annexure No.	Annexure Details
A	Monitoring report data sheet
1.	Compliance report of EC
2.	Form V

Please find the above in order and acknowledge receipt.

Thanking You,

Yours faithfully,
For M/s. Cheminova India Limited (Intermediate Division)

CHEMINOVA INDIA LIMITED PANOLI

Authorized Signatory

SIX MONTHLY
EC COMPLIANCE REPORT

(October 2024 to March 2025)
For

M/s. Cheminova India Limited
(Intermediate Division)

(Manufacturing of Pesticides& Pesticide specific Intermediates)
Plot No. (27+28)/A, Notified GIDC Industrial Estate, Panoli,
Dist. Bharuch 394 116, State-Gujarat, India.

Submitted to:

The Ministry of Environment, Forests & Climate Change
Regional Office, Scientist C, Integrated Regional Office,
Aranya Bhavan, Sector-10,
Gandhinagar – 382 010

A –Six Monthly Monitoring Report - DATA SHEET

Monitoring the Implementation of Environmental Safeguards
Ministry of environment & Forests
Regional Office (W), Gandhinagar
Six Monthly Monitoring Reports
PART – 1
From: 01.10.2024 to 31.03.2025

No. Cheminova-Int/EC-Datasheet/01/2025			
1	Project Type: River-Valley / Mining Industry / Thermal / Nuclear / other (Specify}	:	Pesticides Industry and Pesticide Specific Intermediates (Excluding Formulations)
2	Name of the Project	:	**Expansion of Pesticide and Pesticide Specific Intermediates at Existing Unit M/s. Cheminova India Limited (Intermediate Division).**
3	Clearance Letter(s)/ OM No. & Date	:	IA-J-11011/53/2018-IA-II(I), Date: 31st December 2019
4	Location		
	a]. District (s)	:	Bharuch
	b]. State (s)	:	Gujarat
	c]. Latitude / Longitude	:	21°32'50.49" N/ 72°59'52.28" E
5	Address for Correspondence	:	Plot No. (27+28)/A, Notified GIDC Industrial Estate, Panoli, Dist. Bharuch 394 116, State-Gujarat, India.
	a]. Address of Concerned Project Chief Engineer with Pin code & Telephone / Telex / Fax Numbers.	:	Mr. Anil N Shah Plot No. (27+28)/A, Notified GIDC Industrial Estate, Panoli, Dist. Bharuch 394 116, State-Gujarat, India. Tel. – 7486992967 / 02646618522
	b]. Address of Executive Project Engineer / Manager (with Pin code / Fax Number)	:	Mr. Anil N Shah Plot No. (27+28)/A, Notified GIDC Industrial Estate, Panoli, Dist. Bharuch 394 116, State-Gujarat, India. Tel. – 7486992967 / 02646618522
6	Salient Features		
	a]. Of the Project	:	As detailed below

Components	**Proposed Scenario**
EC No.	IA-J-11011/53/2018-IA-II(I)
Environmental Clearance accorded for-	**Product name attached in Annexure-1**
Total Power Requirement	3500 KVA
Source of Power	DGVCL
Fresh Water requirement	764 KL/day
Source of Water Supply	GIDC water supply
Wastewater Generation	Industrial: 833 KL/day Domestic: 45 KL/day

Process Emissions	HCl, NH_3, Cl_2, SO_2, NO_x, H_2S, CO, HC, PM, Acid Mist
Flue Gas Emission	PM, SO_2, NOx
Fuel Type	Natural gas, HSD, Briquettes/ Bagasse/ Groundnut shell
Fuel Requirement	Natural Gas- 10800 Nm^3/h, HSD- 800.7 L/h, Briquettes/ Bagasse/Groundnut shell - 2970 kg/h
Man power	Total: 600 (Company + Contract) employees

b]. Of the Environmental Management Plans : As follows.

Sr. No.	Activity	Status
1	Formulation of EHS cell Constitutes EHS in charge, ETP super visor and operators, Lab chemist and assistants	EHS cell consists of EHS in charge, ETP super visor and operators, Lab chemist and assistants.
2	For Air Environment Management	
	• To monitor the ambient air quality parameters and flue gas emissions within premises and also in the nearby area regularly and to compare with the regulating standards so that any necessary corrective actions can be taken.	• Company maintains its own records and monitors the ambient air and flue gas emission within premises periodically. Monitoring of ambient air & flue gas analysis is done by Siddhi Green Excellence Pvt Ltd., Ankleshwar.
	• Work place monitoring to be carried out periodically to check fugitive emissions, if any.	• Workplace monitoring is carried out inhouse and also periodically by Siddhi Green Excellence Pvt Ltd., Ankleshwar.
	• To develop and maintain greenbelt, in and around the factory, for reducing the effect of air pollutants due to their deposition.	• Unit has developed & maintained greenbelt area inside and outside the factory.
	• To follow proper loading and unloading practices to minimize dusting	• Unit is having closed system for loading and unloading of chemicals.
	• To maintain proper record for the fuel consumption, start-up time and duration of boiler operation towards energy conservation	• Unit is maintaining records for the fuel consumption and duration of boiler operation towards energy conservation
3	For Water Environment Management	
	• To investigate possibilities of water reuse and recycling for reducing water consumption and wastewater generation	• Reuse and recycling of water is done. Roof Top rainwater harvesting facility is provided and water is collected and reused.
	• Records of water consumption, effluent generation, effluent discharge, water characteristics, treated and untreated effluent characteristics to be maintained.	• Unit is maintaining records of water consumption, effluent generation, water characteristics, treated and untreated effluent characteristics.
	• To monitor the adequacy and efficiency of ETP so that the effluent is given suitable treatment and the treated effluent meets specified norms of available CC&A of GPCB.	• The adequacy and efficiency of ETP is maintained well and the effluent is treated appropriately at all the stages. The Treated effluent is further processed in R.O. Plant and MEE & ATFD Plant. The R.O. Permeate is reused within premises.
	• The effluent collection and discharge drainages, effluent handling and treatment systems to be maintained and regularly monitored to prevent leakages or sudden break-down.	• The effluent collection, handling and treatment systems are maintained and regularly monitored to prevent leakages or sudden break-down. The preventive maintenance of all ETP units is taken periodically.
	• Proper house-keeping to be adopted to prevent spillages and contaminated surface runoff going to storm water drains.	• Good housekeeping is maintained to prevent spillages and contaminated surface runoff going to storm water drains.

4	For Hazardous / Non-hazardous waste management • Proper storage and handling arrangements in compliance to the conditions of authorization granted by SPCB. • Proper signboards to be provided at relevant places. • All the necessary regulatory procedures as per the amended Hazardous Waste Management & Handling Rules – 2003 to be followed and adhered with. • The transportation of hazardous waste to the TSDF Site to be as per the guidelines and accompanied with Form-9. • Monthly records of generation, storage and disposal of hazardous waste should be maintained in a record register as per the format of Form-3 as per amended Hazardous Waste rules – 2003 and annual returns of disposal to be submitted to SPCB in prescribed form – 4 and form – 13.	• Unit has a dedicated storage areas for storage of all types of wastes. All the conditions stipulated in Authorization is complied. • Signboards are provided at relevant places. • Unit is following all the applicable regulatory procedures as per the amended Hazardous Waste Management & Handling Rules – 2016. • Unit is following guideline for transportation of hazardous waste to TSDF & CHWIF of M/s. BEIL. / Safe Enviro / SEPPIL etc. Transporter is provided Form -9 with each consignment. • Monthly records of generation, storage and disposal of hazardous waste are maintained in a record register as per the format of Form-3 as per amended Hazardous Waste rules – 2003 and annual returns of disposal of all the hazardous waste are submitted to GPCB in prescribed forms.

7	Production details during compliance period and (or) during the previous financial year		

Production Details	
Month	**Quantity (MTM)**
October 2024	108.860
November 2024	43.200
December 2024	32.400
January 2022	50.800
February 2025	286.900
March 2025	252.500

8	Break Up of the Project Area	:	Unit is located in G.I.D.C Panoli. (Notified area)
	a]. Submergence area: forest &non-forest		
	b]. Others		
9	Breakup of the project affected population with enumeration of those losing houses / dwelling units, only agricultural land, dwelling units & agricultural land & landless laborers / artisan.	:	Unit is located in G.I.D.C Panoli. (Notified area)
	a]. SC, ST / Adivasis	:	---
	b]. Others	:	---
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)	:	---
10	Financial Details	:	
	a]. Project cost as originally planned and subsequent revised estimates and the year of price reference	:	Rs. 790.36 crore (For proposed Expansion only)
	b]. Allocation made for environmental management plans with item wise and year wise break-up.	:	As follows

Sr.No.	Particulars	Recurring Cost Per Annum [Rs. In lakh]	Capital Cost (Rs. In lakh)
1	Air Pollution Control	683	600
2	Water Pollution Control	1366	1200
3	Noise Pollution Control	5	3
4	Environment Monitoring & Management	153	90

	5	Occupational Health & Safety	50	12	
	6	Green Belt development & maintenance	20	5.0	
	7	Solid waste management	228	8290	
		TOTAL Planned	**2505**	**10200**	

	c]. Benefit cost ratio / Internal rate of return and the year of assessment	:	Not applicable
	d]. Whether (c) includes the cost of environmental management as shown in the above	:	Yes
	e]. Actual expenditure incurred on the project so far	:	481 Lakh (For the period – Oct. 24 to March 25
	f] Actual expenditure incurred on the Environmental Management Plan so far		1016 Lakh (Till Date)
11	Forest land Requirement	:	Notified GIDC Industrial Estate, Panoli
	a]. The status of approval for diversion of forest land for non-forestry use		--
	b]. The Status of clearing felling	:	--
	c]. The status of compensatory afforestation, if any		--
	d]. Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	:	--
12	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.	:	Notified GIDC Industrial Estate, Panoli
13	Status of construction	:	Construction Initiated
	a]. Date of commencement (Actual and / or planned).	:	-
	b]. Date of completion (Actual and / or planned)	:	Based on the commissioning of project within Five years.
14	Reasons for the delay if the project is yet to start	:	
15	Dates of site visits		
	a]. The dates on which the project was monitored by the Regional Office on Previous occasions, if any	:	--
	b]. Date of site visit for this monitoring project	:	08-10-2023 (Visit by GPCB)
16	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits	:	--
	(The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently.)	:	--

Annexure 1 -Compliance report of Environment Clearance

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status</th></tr>
<tr><td>2.</td><td>The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of pesticides and pesticide specific intermediates from 19705 TPA to 47681 TPA by M/s. Cheminova India Limited (Intermediate Division) in an area of 149163.17 sq. m. located at Plot Nos. (27+28)/A, GIDC Industrial Estate, Panoli, Taluka: Ankleshwar, District Bharuch (Gujarat).</td><td>As per EC, Total plot area 149163.17 sqm located at Plot Nos. (27+28)/A. Due to GIDC authority recent survey, actual area for this plot no. 27+28/A is measured and approved after amalgamation is 140192.03 sq.m.
The area of plot is to be read as 140192.03 sq.m.</td></tr>
<tr><td>3.</td><td>The details of products are as under:-
<table>
<tr><th rowspan="2">SN</th><th rowspan="2">Name of Product</th><th colspan="3">Quantity (MT/Annum)</th></tr>
<tr><th>Existing (TPA)</th><th>Proposed (TPA)</th><th>Total (TPA)</th></tr>
<tr><td>1.</td><td>Phosphorous Trichloride (PCL_3)/ Phosphoryl Chloride ($POCL_3$)</td><td>1000</td><td>--</td><td>1000</td></tr>
<tr><td>2.</td><td>Tri Methyl Phosphite(TMP) OR Tri Ethyl Phosphite(TEP)</td><td>100</td><td>--</td><td>100</td></tr>
<tr><td>3.</td><td>Diethyl Thio Phosphoryl Chloride (DETPC)/Sodium Salt Of Diethyl Thio Phosphoryl Chloride (Na-DETA)</td><td>5330</td><td>2670</td><td>8000</td></tr>
<tr><td>4.</td><td>Cyhalothrin Acid</td><td>250</td><td>--</td><td>250</td></tr>
<tr><td>5.</td><td>Phosphorous Penta Sulphide(P_2S_5)</td><td>3400</td><td>--</td><td>3400</td></tr>
<tr><td>6.</td><td>Acid Based Products [2-Bronobutyric Acid (INT),Ethyl 2-(4-Hydroxy Phenoxy) Propinoate (O- HPPA) (INT), Thiocyclam (I), Bispyribac-Sodium (H), Methoxy Amine Hydrochloride (INT), 2-Hydroxyphenyl Acetic Acid (HPPA) (INT), Amino Acid (INT)] etc.</td><td>150</td><td>--</td><td>150</td></tr>
<tr><td>7.</td><td>Amide Group Based Products [Pretilachlor (H), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I),Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide(F), Flufenacet (H), 2 Aminosulfonyl-N-N-Dimethylnicotinamide (SNA) (INT), 2- (Methoxycarbonyl) Thiophene Thiophene-3 Sulfonamide (MST) (INT)] etc.</td><td>150</td><td>--</td><td>150</td></tr>
<tr><td>8.</td><td>Aniline Group Bases Products [Pendirnethalin(H), Fluazinam (F), ,Metaiaxyi (F), Famoxadone (F)] etc.</td><td>1200</td><td>--</td><td>1200</td></tr>
<tr><td>9.</td><td>Azine group based products Fenpyroximate (I), Metribuzin (H), Pymetrozin (I), Arnitraz (I), Indoxacarb (I), Cofentezine (I), 2 Methoxy-4-Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (INT) etc.</td><td>300</td><td>--</td><td>300</td></tr>
<tr><td>10</td><td>Azole Group Based Products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol</td><td>200</td><td>--</td><td>200</td></tr>
</table></td><td>Noted. Unit has been obtained partial CC&A Amendment.
Production data as per existing CTO is as below:
<table>
<tr><th colspan="2">Production Details for Compliance period: October 2024 to March 2025</th></tr>
<tr><th>Month</th><th>Quantity (MT/Month)</th></tr>
<tr><td>October 2024</td><td>108.860</td></tr>
<tr><td>November 2024</td><td>43.200</td></tr>
<tr><td>December 2024</td><td>32.400</td></tr>
<tr><td>January 2022</td><td>50.800</td></tr>
<tr><td>February 2025</td><td>286.900</td></tr>
<tr><td>March 2025</td><td>252.500</td></tr>
</table></td></tr>
</table>

Sr. No.	Conditions					Compliance Status
		(F), (Safenerlsoxadifen Ethyl (Int), Irnidacloprid (I), 2, 6 Dichlorobenzoxazolone(Int), Penoxasulam(H)] etc.				
	11	Carbamate Group Based Product [Thiodicarb(I), Propineb (F), Metiram (F), Thiram(F), Cartap Hydrochloride (I), Thiophanate Methyl (F)] etc.	500	--	500	
	12	Ester group based products [Fenoxaprop-p-Et (H),Clodinafop-Pr(H),Quizolfop-p-ethyl (H),Quinzolfop-p-terfuryl(H),Cyhalofop(H), Isoprothiolane (F),Alphamethrin(I), Lambda Cyhaothrin(I), Cypermethrin (I),Bifenazate(I), Phthalide (Int) etc.	300	--	300	
	13	Ether group based products [Propargite(I), oxyfiuorfen(H), 2 Ethoxy Ethyl Amine (Int), S- Cyano MPB (Int)] etc.	200	--	200	
	14	Ketone group based product [Mesotrione(H), Suctioned (H),Isoxanutole(H), Dimethomorph (F),Isobutyrophenone (IBP) (Int)] etc.	1200	--	1200	
	15	Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int),Acephate(I),Monocrotophos(I) or its intermediates MCMMAA (Int.), Dimethoate (I),Profenofos(I), Ethephon (PGR)] etc.	5000	--	5000	
	16	Pyridine group based product [Pyridalyl(I),Imazethapyr(H)CloquintocctMexyl(H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxvstrobin(F)etc	250	--	250	
	17	Urea group based product [Buprofezin(I), Lufenuron (I), Linuron (H),Diafenthiuron(I), Diuron (H), Novaluron (I), Chlorimuron (int),Hexythiazox(I),Spiromesifen(I),Azimsulfuron(H) ,Sulfonyl Ureas(H)] etc.	100	--	100	
	18	Phenol group based product [2- Cyanophenol (Int), 4- Fluro-3 trilluromethylphenole (Int)] etc.	75	---	75	
	19	Sulfentrazone	---	2000	2000	
	20	F-9600 (2-(2,4-Dichlorobenzyl)-4,4-Dimethylizoxazolidin-3one)/Bixlozone	---	4200	4200	
	21	F 9990 (Fluindapyr)	---	1200	1200	
	22	Malathion	---	10000	10000	
	23	F-4050 (2-(4-Fluoro-3-(Trifluoromethyl)Phenoxy)-N-Benzylbutanamide	---	1500	1500	
	24	Beflubutamide	---	450	450	
	25	Gamma Cyhalothrin	---	300	300	
	26	Bifenthrin	---	300	300	
	27	Clomazone	---	2000	2000	
	28	FMC-57091 (4,4-Dimethyl Isoxazolidin-3-One)/(Isoxazolidinone)	---	2600	2600	

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td>
<table>
<tr><td>29</td><td>Thifensulfuron Methyl</td><td>---</td><td>205</td><td>205</td></tr>
<tr><td>30</td><td>Tribenuron Methyl</td><td>---</td><td>215</td><td>215</td></tr>
<tr><td>31</td><td>Metsulfuron Methyl</td><td>---</td><td>200</td><td>200</td></tr>
<tr><td>32</td><td>Ethametsulfuron Methyl</td><td>---</td><td>10</td><td>10</td></tr>
<tr><td>33</td><td>Chlorsulfuron</td><td>---</td><td>60</td><td>60</td></tr>
<tr><td>34</td><td>Triflusulfuron Methyl</td><td>---</td><td>50</td><td>50</td></tr>
<tr><td>35</td><td>Azimsulfuron</td><td>--</td><td>4</td><td>4</td></tr>
<tr><td>36</td><td>Flupyrsulfuron Methyl Sodium</td><td>---</td><td>12</td><td>12</td></tr>
<tr><td></td><td>Total</td><td>19705</td><td>27976</td><td>47681</td></tr>
</table>
</td><td></td></tr>
<tr><td>4.</td><td>Existing land area is 149163.17 sqm. No additional land will be required for the proposed expansion. Industry has developed greenbelt in an area of 49497 sqm covering 33.18% of total project area. The estimated project cost is Rs. 790.36 crores. Total capital cost earmarked towards environmental pollution control measures is Rs 25.05 crores and the recurring cost (O&M) will be about Rs 102 crores per annum. The project will provide employment for 178 persons directly and 422 persons indirectly after expansion.</td><td>Noted. The unit has developed 49471 sq. m. (~33.17percent) of total plot area within plan premises. An Additional 11000 sq.m. (7.37percent) area provided outside the premise (in GIDC) and total green belt area is 40 percent.</td></tr>
<tr><td>5.</td><td>There are no National parks, Wildlife sanctuaries, Biosphere, Reserves, Tiger/Elephant Reserves, and Wildlife Corridors etc. within 10 km from the project site. Ukai canal flows at a distance of 1.66 km in west direction.</td><td>Noted. Unit is located within Notified GIDC Industrial Estate, Panoli.</td></tr>
<tr><td rowspan="2">6.</td><td>Total water requirement is estimated to be 1351 cum/day, which includes fresh water requirement of 764 cum/day, proposed to be met from GIDC supply.</td><td>Total GIDC water consumption data as per existing CTO is as below:
<table>
<tr><th>Month</th><th>Quantity (KL/Month)</th></tr>
<tr><td>October 2024</td><td>3180</td></tr>
<tr><td>November 2024</td><td>2531</td></tr>
<tr><td>December 2024</td><td>3105</td></tr>
<tr><td>January 2022</td><td>4834</td></tr>
<tr><td>February 2025</td><td>6623</td></tr>
<tr><td>March 2025</td><td>5563</td></tr>
</table></td></tr>
<tr><td>Effluent of 206 cum/day will be treated through Effluent Treatment Plant (ETP) having Primary, Secondary & Tertiary Treatments, & treated effluent of 181 cum/day is discharged into underground conveyance pipeline connected to Final Effluent Treatment Plant (FETP) of M/s. Narmada Clean Tech (NCT). It has been now proposed that after expansion, existing and proposed unit shall ensure zero liquid discharge and there will be no discharge of treated/untreated waste water from the unit.</td><td>All the Industrial wastewater is treated through Effluent Treatment Plant, MEE and R.O. plant and recycled to process. There is no discharge of treated /untreated wastewater outside the unit. Zero Liquid Discharge is ensured.
Total wastewater generation/ treatment in RO MEE Plant and maintain ZLD is as below:
<table>
<tr><th>Month</th><th>Quantity (KL/Month)</th></tr>
<tr><td>October 2024</td><td>2110</td></tr>
</table></td></tr>
</table>

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th colspan="2">Compliance Status</th></tr>
<tr><td></td><td></td><td>November 2024</td><td>2336</td></tr>
<tr><td></td><td></td><td>December 2024</td><td>1718</td></tr>
<tr><td></td><td></td><td>January 2022</td><td>1984</td></tr>
<tr><td></td><td></td><td>February 2025</td><td>994</td></tr>
<tr><td></td><td></td><td>March 2025</td><td>930</td></tr>
<tr><td></td><td colspan="2">RO Plant</td><td>MEE Plant</td></tr>
<tr><td></td><td colspan="2">
</td><td> </td></tr>
<tr><td></td><td>Power requirement after expansion will be 3500 KVA proposed to be met from M/s Dakshin Gujarat Vij Company Limited (DGVCL). Existing unit has one DG set of 1250 KVA. Two more DG sets of 1250 & 1500 KVA will be required under proposed expansion.</td><td colspan="2">At present unit has obtained partial CTO Amendment. Hence Present power consumption is 2700 KVA. Unit shall comply with the given condition.
The details of total Power consumption met by M/s Dakshin Gujarat Vij Company Limited (DGVCL as below
<table>
<tr><th>Month</th><th>Power Consumption (Kwh)</th></tr>
<tr><td>October 2024</td><td>658200</td></tr>
<tr><td>November 2024</td><td>569220</td></tr>
<tr><td>December 2024</td><td>425070</td></tr>
<tr><td>January 2022</td><td>559590</td></tr>
<tr><td>February 2025</td><td>678030</td></tr>
<tr><td>March 2025</td><td>558600</td></tr>
</table></td></tr>
</table>

Sr. No.	Conditions	Compliance Status
	Existing unit has two natural gas-based boilers of 10 TPH capacities each and one briquettes/ bagasse/ groundnut shell-based boiler of 18 TPH capacity. Incinerator (for waste gas) and one natural gas based thermic fluid heater of 10 lakh Kcal/h will be installed in the expansion.	Noted and complied.
7.	The project/activities are covered under category A of item 5(b) 'Pesticides industry and Pesticide specific intermediates' of the Schedule to the Environment Impact Assessment Notification, 2006, and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.	Noted and complied.
8.	Standard terms of reference (ToR) for the project were granted on 23rdMarch, 2018. Public hearing is exempted in accordance with the Ministry's OM dated 27th April 2018, as the project site is located in the notified industrial area.	Noted.
9.	The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 8-9th April, 2019 and 26-28 June, 2019 in the Ministry, wherein the project proponent and their accredited consultant M/s. Siddhi Green Excellence Pvt. Ltd presented the EIA/EMP report complying with the terms and conditions of the ToR, and recommended the proposal for environmental clearance to the project with certain conditions.	Noted.
10.	The proposal was further examined in the Ministry in accordance with the Ministry's Office Memorandum dated 31st October 2019 and Ministry's communication dated 24th October 2019 regarding compliance of Hon'ble NGT order dated 19.8.2019 (published on 23.8.2019) in OA No. 1038/2018.	Noted.
11. .	Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for **Expansion of Pesticides and Pesticide Specific Intermediates from 19705 TPA to 47681 TPA by M/s. Cheminova India Limited (Intermediate Division) at Plot No.(27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat)**, under the provisions of the EIA Notification, 2006, read with subsequent amendments therein, subject to compliance of the terms and conditions as environmental safeguards, as under:-	Noted.
	(i) Consent to Establish/Operate (CTE/CTO) for the project shall be obtained from the State Pollution Control Board (SPCB) as required under the Air (Prevention and Control of Pollution)Act, 1981 and the water (Prevention and Control of Pollution) Act, 1974, and the SPCB shall follow the mechanism/protocol issued by the Ministry vide letter no. Q-16017/38/2018-CPA dated 24th October, 2019 and forwarded by Central Pollution Control Board vide letter dated 25th October, 2019 to the SPCB's while issuing the CTE/CTO for the project, for improvement of environmental quality in the area.	Consent to Establish has been granted by GPCB, Outward No. 15866 on dated 4th June 2020. CTO Amendment granted by GPCB on 1st January 2024 having AWH – 129487 with a validity up to 4th-March-2027.

Sr. No.	Conditions	Compliance Status
	(ii) Zero Liquid Discharge shall be ensured including existing facility and the proposed expansion facility and no waste/treated water shall be discharged outside the premises.	Unit has obtained CC&A Amendment and Zero Liquid Discharge is ensured and no waste/treated water is discharged outside the premises.
	(iii) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Unit has obtained all necessary authorization under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) rules, 2016, from the GPCB Solid Waste Management Rules, 2016 are not applicable.
	(iv) National Emission Standards for Pesticides Manufacturing Industry issued by the Ministry vide G.S.R.446(E) dated 13thJune, 2011, as amended from time to time, shall be followed.	Noted. National Emission Standards are complied.
	(v) No pesticides/chemicals banned by the Ministry of agriculture and Farmers welfare, or having LD_{50}<100 mg/kg shall be produced. Also, no raw material/solvent prohibited by the concerned regulatory authorities from time to time, shall be used for production of pesticides.	Unit commits that No pesticides/chemicals banned by the Ministry of agriculture and Farmers welfare, or having LD_{50}<100 mg/kg shall be produced and no prohibited raw material/solvent shall be used for production.
	(vi) To control source and the fugitive emissions (at 99.98%), suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	All the pollution control devices are provided as stated in consent issued by State Pollution Control Board to comply with the gas emissions standard. The gaseous emissions are dispersed through stack of adequate height as prescribed in consent.
	(vii) Solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery. (d) Solvents shall be stored in a separate space specified with all safety measures. (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	Effective systems are in place to meet solvent management plan guidelines.
	(viii) Total fresh water requirement shall not excess 764 cum/day to be met from GIDC water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.	Complied. Fresh water consumption data is as below: **Month** / **Quantity KL/Month** October 2024 / 3180 November 2024 / 2531

Sr. No.	Conditions	Compliance Status
		December 2024 — 3105 January 2022 — 4834 February 2025 — 6623 March 2025 — 5563
	(ix) Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system	Well-structured storm water drainage network is provided in such a way that process effluent / any wastewater is not getting mixed.
	(x) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and solvent transfer through pumps.	All the Hazardous chemicals are stored in tanks, tank farms, drums, carboys etc. Flame arresters are provided at all the tanks. Solvent transfer is done through pumps in closed loop system.
	(xi) Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Process organic residue and spent carbon, ETP sludge, process inorganic & evaporation salt Is being disposed as per CCA guidelines/conditions.
	(xii) The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act, 1989.	Unit stores all the hazardous chemicals based on the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. Also all safety measures are taken for transportation of Hazardous chemicals and guidelines of the Motor Vehicle Act, 1989 are complied.
	(xiii) The company shall undertake waste minimization measures as below: - (a) Metering and control of quantities of active ingredients to minimize waste. (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high-pressure hoses for equipment clearing to reduce wastewater generation.	Unit follows all the waste minimization measures.
	(xiv) The green belt of at least 5-10 m width shall be developed in nearly 40% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. In addition, the project proponent shall develop greenbelt outside the plant premises also such as avenue plantation, plantation in vacant areas, social forestry etc.	The unit has developed 49471 sq. m. (33.17 percent) of total plot area within plan premises. An Additional 11000 sq.m. (7.37 percent) area provided outside the premise (in GIDC) which is in progress and total green belt area will be 40 percent.

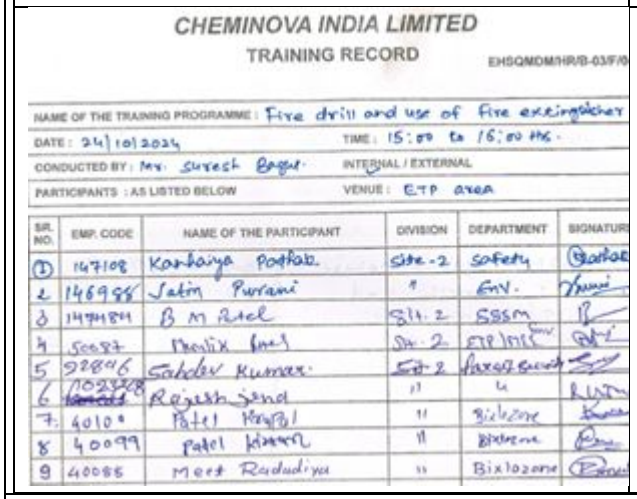
Sr. No.	Conditions	Compliance Status

Sr. No.	Conditions	Compliance Status
	(xv) As committed, fund allocation for the Corporate Environment Responsibility (CER) shall be 5% of the total project cost. Item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Unit follows the given condition. Fund allocation for CER/CSR jobs for both Technical & Intermediate are as follow: • Providing skill training and support for women empowerment to Kharod village Rs. 6.50 lakh completed in June2022 • Providing skill training and support for women empowerment to Sanjali village 6.50 lakh completed in June2022 • Providing streetlight and solar roof top to Umarwada village as sustainable solution 25 lakh Completed in May2022 • Sponsorship of Cricket tournament trophy to Kharod village to encourage sports activities in young generation 1.15 lakh completed in June22 Total Fund Allocation In CER 39.15 Lakh
	(xvi) Safety and visual reality training shall be provided to employees.	In house-training programs are conducted on monthly basis for SOPs and safety as per yearly plan. Details are as below:
	Details of the in-House training programs as per EHS Standard are as follow.	

Sr. No.	Conditions	Compliance Status

Sr. No.	Standard	Program Name
1	Hot Work Standard	EHS Panoli Hot Work Standard
2	Confined Space Entry Standard	EHS Panoli Confined Space Entry Standard
3	Electrical Safety Standard	EHS Panoli Electrical Safety Standard
4	Energy Isolation, Lockout/Tagout Standard	EHS Panoli Energy Isolation, Lockout/Tagout Standard
5	Elevated Work Standard	EHS Panoli Elevated Work Standard
6	Line Breaking & Equipment Opening Standard	EHS Panoli Line Breaking & Equipment Opening Standard
7	Hazard Assessment & Mitigation Standard	EHS Panoli Hazard Assessment & Mitigation Standard
8	Hose Management Standard	EHS Panoli Hose Management Standard
9	Decommissioning	EHS Panoli Decommissioning
10	MSDS Standard	EHS Panoli MSDS Standard
11	Glassware Handling Standard	EHS Panoli Glassware Handling Standard
12	Chemical Storage Standard	EHS Panoli Chemical Storage Standard
13	Fume Hood Standard	EHS Panoli Fume Hood Standard
14	Open Blade Standard	EHS Panoli Open Blade Standard
15	Personal Protective Equipment & Glove Use program	EHS Panoli Personal Protective Equipment & Glove Use program
16	Contract safety Standard	EHS Panoli Contract safety Standard
17	Breathing Air Standard	EHS Panoli Breathing Air Standard
18	Event Reporting standard	EHS Panoli Event Reporting standard
19	Effective Injury And Illness Case Management	EHS Panoli Effective Injury and Illness Case Management
20	Ground Transportation Safety Standard	EHS Panoli Ground Transportation Safety Standard
21	PSM Standard	EHS Panoli PSM Standard
22	Emergency response plan	EHS Panoli Emergency response plan

Photographs of trainings:

Sr. No.	Conditions	Compliance Status
	 CHEMINOVA INDIA LIMITED TRAINING RECORD EHSQMDM/HR/B-03/F/0 NAME OF THE TRAINING PROGRAMME : Fire drill and use of Fire extinguisher DATE : 24/10/2024 TIME : 15:00 to 16:00 Hrs. CONDUCTED BY : Mr. Suresh Bagul INTERNAL / EXTERNAL PARTICIPANTS : AS LISTED BELOW VENUE : ETP area SR. NO. / EMP. CODE / NAME OF THE PARTICIPANT / DIVISION / DEPARTMENT / SIGNATURE 1 147108 Kanhaiya Pothale Site-2 Safety 2 146988 Jatin Purani " Env. 3 149484 B M Patel Site-2 SSSM 4 50087 Manish Patel Site-2 Env. 5 92846 Sahdev Kumar Site-2 6 102888 Rajesh Jend " " 7 40108 Patel Manish " Bixlozone 8 40099 Patel Kinnari " Bixlozone 9 40085 Meet Raduliya " Bixlozone	
	(xvii) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Presently, unit has appointed third party for carrying out regular monitoring of Flue gas analysis. Analysis reports for reference is

Sr. No.	Conditions	Compliance Status
		attached below: Emissions are within specified limits. Acoustic enclosure is provided to DG set for controlling the noise pollution.

Siddhi Green Excellence PRIVATE LIMITED

TC-5007

TEST REPORT

REPORT NO. : SC/CILID/ST/JAN/2025/02 — Date of Issue :10-01-2025

Issued to	**M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)**
Address	PLOT NO.27,28/A GIDC ESTATE:PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116

SR.NO.	DESCRIPTION	FLUE GAS STACK EMISSION ANALYSIS
	Particulars of Sample	**Stack No.1**
1	PCB ID of Stack	60699
2	Sample ID	36425-FS-01
3	Name of Stack	BOILER
4	Details of Air Pollution Control Measure (APCM)	Dust Collector- Bag Filter
5	Date & Time of sampling	03-01-2025 & 11:10 h
6	Date of Receipt	03-01-2025
7	Date of Analysis start	04-01-2025
8	Date of Completion	06-01-2025

Sampling Plan & Sampling Method Used : Lab Document SC/LAB/01

SR.NO.	Details of Stack Monitoring Kit			
1	Make	Universal Instruments	Instrument ID	SC-STM-04
2	Model	EQS 226	Calibration Valid upto	01-02-2025
3	Serial No.	02-DTK-2018		
	Details of Stack			
1	Stack Height		40 m	
2	Stack Diameter		850 mm	
3	Temperature of Flue gas		124°C	
4	Velocity of Flue gas		8.1 m/s	
	Details of Flue Gas			
1	Type of Fuel		Briquette	
2	Rate of Consumption		40 T/D	

	PARAMETERS ANALYSED	UNIT	TEST METHOD	PERMISSIBLE LIMIT (NOTE 2)	RESULTS
1	Particulate Matter (PM) @12%CO_2	mg/Nm3	IS 11255 (Part 1):1985	120	81
2	Sulphur Dioxide (SO_2)	ppm	IS 11255 (Part 2):1985	80	20
3	Oxides of Nitrogen (NO_X)	ppm	IS 11255 (Part 7):2005	40	32

Additions to, deviations, or exclusions from the method :-None

Results from external providers, if any :- None

Any other remarks :-None

Abbreviations used :- None

Copy 1 of 2

Reviewed by — Authorized Signatory: Mrs. K. P. Shah/Mr. P.M. Shah

Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only.
2. Permissible limits if mentioned in report are given by customer and included in the report upon request by customer.
3. Certificates of accreditation are available on lab's website with period of validity. If non-accredited parameters are analysed, their results are given on next page.
4. The opinions and interpretations if mentioned in report are given upon request by customer and based upon material and information supplied by customer.
5. Perishable samples will be disposed after testing, for other samples, retention time is 15 days from the date of issue of test report, unless otherwise specified by customer or by applicable regulations
6. Laboratory has a complaint redressal system. Discrepancies if any in the test report must be brought to notice within 7 days of issue of test report.
7. This report shall not be used as evidence in the court of law and shall not be reproduced except in full, without prior written approval of Siddhi Green Excellence Pvt. Ltd.

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Format No. : SC/LAB/F/Report-03 Issue No. : 02 Issue Date : 31-01-2019 Revision No : 04 Revision Date : 01-03-2024

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Vadodara Office 601, 73 East Avenue, Bhailal Amin Marg, Sarabhai Campus, Genda Circle, Vadodara, Gujarat 390023.

GUJARAT'S 1ST PLATINUM CERTIFIED NEW GREEN INTERIORS BY IGBC

Siddhi Green Excellence PRIVATE LIMITED

TC-5007

TEST REPORT

REPORT NO. : SC/CILID/ST/JAN/2025/03 — Date of Issue : 10-01-2025

Issued to	**M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)**
Address	PLOT NO.27,28/A GIDC ESTATE:PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116

SR.NO.	DESCRIPTION	FLUE GAS STACK EMISSION ANALYSIS
	Particulars of Sample	**Stack No.2**
1	PCB ID of Stack	**8826**
2	Sample ID	36425-FS-02
3	Name of Stack	D.G.SET (1250 KVA)
4	Details of Air Pollution Control Measure (APCM)	Not Specified
5	Date & Time of sampling	03-01-2025 & 11:35 h
6	Date of Receipt	03-01-2025
7	Date of Analysis start	04-01-2025
8	Date of Completion	06-01-2025

Sampling Plan & Sampling Method Used : Lab Document SC/LAB/01

SR.NO.	Details of Stack Monitoring Kit			
1	Make	Universal Instruments	Instrument ID	SC-STM-04
2	Model	EQS 226	Calibration Valid upto	01-02-2025
3	Serial No.	02-DTK-2018		
	Details of Stack			
1	Stack Height		9 m	
2	Stack Diameter		400 mm	
3	Temperature of Flue gas		116°C	
4	Velocity of Flue gas		10.5 m/s	
	Details of Flue Gas			
1	Type of Fuel		HSD	
2	Rate of Consumption		90 L/h	

	PARAMETERS ANALYSED	UNIT	TEST METHOD	PERMISSIBLE LIMIT (NOTE 2)	RESULTS
1	Particulate Matter (PM) @12%CO_2	mg/Nm^3	IS:11255 (Part 1)-1985	120	77
2	Sulphur Dioxide (SO_2)	ppm	IS:11255 (Part 2)-1985	80	24
3	Oxides of Nitrogen (NO_X)	ppm	IS:11255 (Part 7)-2005	40	29
4	Carbon Monoxide	mg/Nm^3	SC/LAB/STP/STK-05	-	18

Additions to, deviations, or exclusions from the method :-None

Results from external providers, if any :- None

Any other remarks :-None

Abbreviations used :- None

Copy 1 of 2

Reviewed by — Authorized Signatory: Mrs. K. P. Shah/Mr. P.M. Shah

Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only.
2. Permissible limits if mentioned in report are given by customer and included in the report upon request by customer.
3. Certificates of accreditation are available on lab's website with period of validity. If non-accredited parameters are analysed, their results are given on next page.
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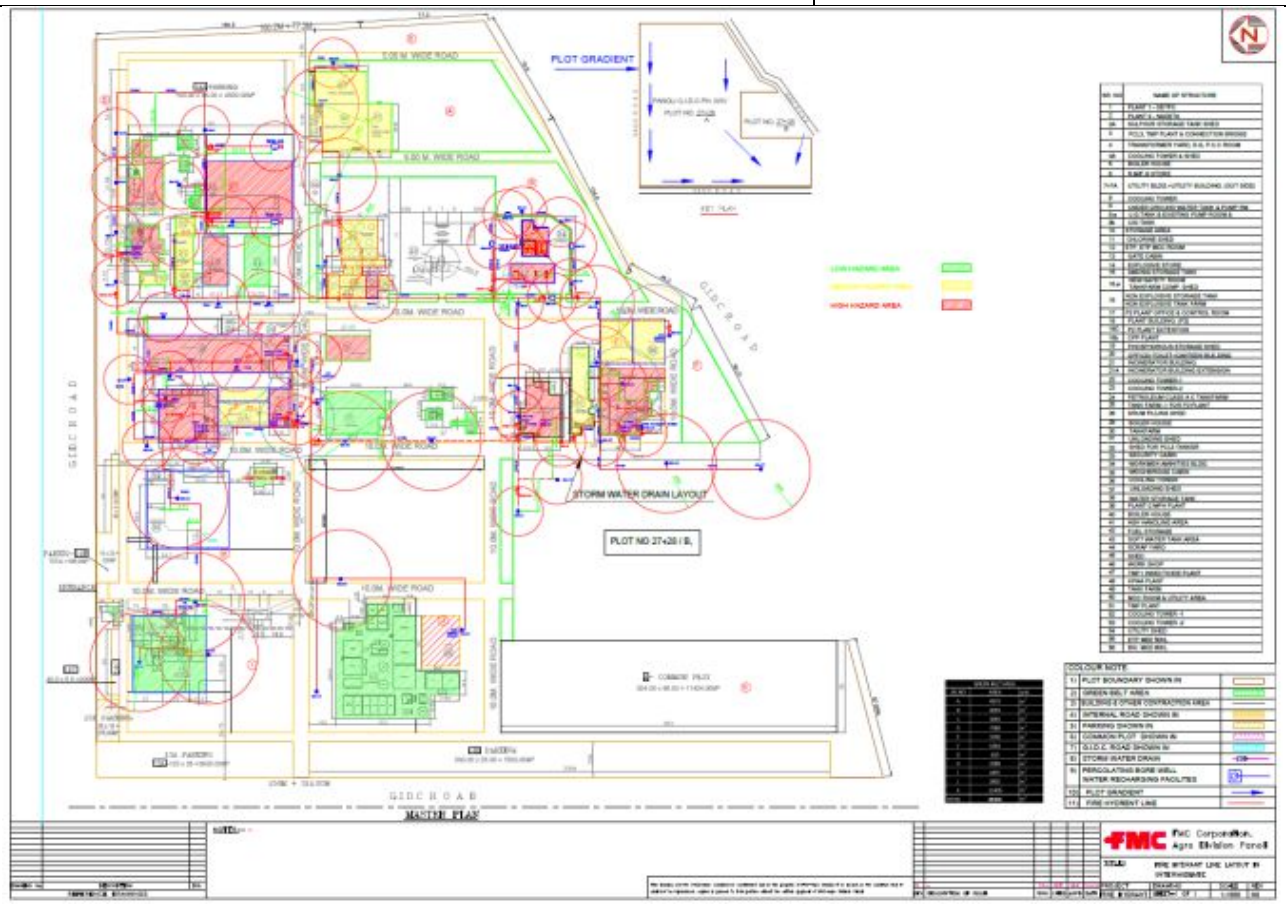
GUJARAT'S 1ST PLATINUM CERTIFIED NEW GREEN INTERIORS BY IGBC

Sr. No.	Conditions	Compliance Status
	(xviii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	All the arrangements are made for protection of possible fire hazard during manufacturing process and material handling, The Fire hydrant system and fire extinguisher are available in all the areas and safe practices are adopted for handling and processing of flammable materials.



Sr. No.	Conditions	Compliance Status
	(xix) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Pre-employment and regular medical checkup of company employees as well as contract employees is done by Factory Medical Officer and records are maintained.
	(xx) Continuous online (24×7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	Online continuous Emission Monitoring Systems are provided for Briquette boiler which is linked with GPCB and CPCB servers. Regular monitoring of flue gas and process emission analysis is also done by Siddhi Green Excellence Pvt. Ltd., Ankleshwar. Since unit is Zero Liquid Discharge, the online continuous monitoring of effluent, web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises are provided.

Sr. No.	Conditions	Compliance Status
	(xxi) Mitigation measures suggested during process safety and risk assessment studies shall be undertaken accordingly.	Unit carry out detailed process safety and risk assessment study in the operational phase and mitigation measures of the same are implemented.
11.1	The grant of environmental clearance is subjected to compliance of other general conditions as under -	
	(i) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Central pollution Control Board, State Government and any other statutory authority.	Noted and agreed.
	(ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted
	(iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Ambient Air quality monitoring is done by Third party recognized laboratory and locations are decided in consultation with SPCB considering the upwind and downwind directions and maximum ground level concentrations are anticipated.
	(iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No. 826(E) Dated 16th November,2009 shall be followed.	Unit follows The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No. 826(E) Dated 16th November,2009
	(v) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Noise level measurement is carried out by GPCB recognized Schedule I Environment Auditor- Quarterly & by Third party recognized laboratory- Monthly Reports by Third-Party recognized lab is attached for reference

Sr. No.	Conditions	Compliance Status

Siddhi Green Excellence PRIVATE LIMITED

TC-5007

TEST REPORT OF AMBIENT NOISE MEASUREMENT

REPORT NO. : SC/CILID/NL/JAN/2025/12

Date of Issue :29-01-2025

Issued to	M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)		
Address	PLOT NO.27,28/A GIDC ESTATE:PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116		
Site (where measured)	same as above	Sample ID	36425
Date of Monitoring	03-01-2025 (Day Time) & 27-01-2025 (Night Time)	Measured By	Mr.Ronil
Frequency Weighing	A	Time Weighing	FAST
Details of Instrument			
Instrument ID	SC-NM-06	Make	Lutron
Calibration Details	Every time before use	Model No.	SL-4030
Calibration Valid Upto	16-10-2025	Instrument Sr. No.	Q670492

Procedure : As per Work Instruction of Instrument and as per IS-9989:1981, windcover used during measurement.

Environmental Conditions:				Season	Winter
DAYTIME READINGS (6 AM TO 10 PM)			**NIGHT TIME READINGS (10 PM TO 6 AM)**		
Time and Duration of Monitoring	12:25 to 13:40 h		Time and Duration of Monitoring	23:30 to 00:15 h	
Average Ambient Temperature, °C	Average Wind speed, m/s	Predominant Wind direction	Average Ambient Temperature, °C	Average Wind speed, m/s	Predominant Wind direction
28	3.9	NE-SW	25	3.7	NE-SW
SR.NO.	**LOCATION**	**READING NO.**	**NOISE LEVEL dB(A) DAY TIME**	**READING NO.**	**NOISE LEVEL dB(A) NIGHT TIME**
1	Near Main Gate	NL-01	60	NL-06	65
2	Near ETP Area	NL-02	64	NL-07	68
3	Near Boiler	NL-03	70	NL-08	69
4	Near Admin area	NL-04	58	NL-09	56
5	Near DG set	NL-05	60	NL-10	60

Permissible Limit for industrial area as per schedule of Noise Pollution (Regulation and Control) Rules, 2000

for Day Time In dB(A) Leq (6 AM TO 10 PM) : - 75 | for Night Time In dB(A) Leq (10 PM TO 06 AM) : - 70

Additions to, deviations, or exclusions from the method :-None

Results from external providers, if any :-None

Any other remarks :- None

Abbreviations used :- None

COPY 1 OF 2

Reviewed by | Authorized Signatory

Mrs. K. P. Shah/Mr. P.M. Shah

Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only.
2. Permissible limits if mentioned in report are given by customer and included in the report upon request by customer.
3. Certificates of accreditation are available on lab's website with period of validity. If non-accredited parameters are analysed, their results are given on next page.
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Format No. : SC/LAB/F/Report-06 Issue No. : 02 Issue Date : 31-01-2019 Revision No : 06 Revision Date : 01-03-2024

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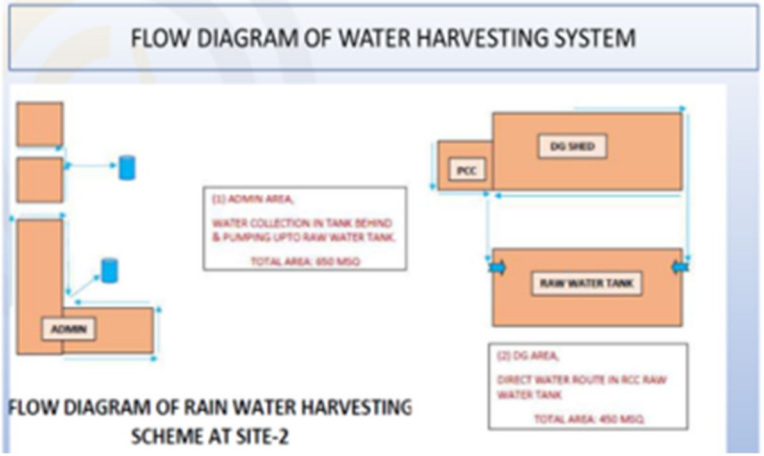
Vadodara Office 601, 73 East Avenue, Bhailal Amin Marg, Sarabhai Campus, Genda Circle, Vadodara, Gujarat 390023.

GUJARAT'S 1ST PLATINUM CERTIFIED NEW GREEN INTERIORS BY IGBC

Sr. No.	Conditions	Compliance Status
	(vi) The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	The rain water harvesting work as a roof rain water harvest program inside premises @ 1100 sq. m. roof of office building and DG-PCC building is selected for this project. More than 900 KL water can be gained from rain fall every year which will reduce our demand of the raw water from the GIDC and also will save our valuable water resource. Copy of the flow diagram of water harvesting system is attached. Unit is in talks with GIDC regarding off-site rainwater harvesting and planning for the same.
		**Details of Roof top rainwater harvesting.** **Month** / **Rainwater (KL)** October 2024: 31 November 2024: 0 December 2024: 0 January 2022: 0 February 2025: 0 March 2025: 0 **Total**: 31
	(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Unit complies with the given condition. Pre-employment and routine periodical medical examinations for all employees are done on regular basis. Regular training is imparted to all employees with regard to handling of chemicals.
	(viii) The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Unit follow the given condition.
	(ix) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.	Unit undertake Corporate social activities for the betterment of surrounding villages.

Sr. No.	Conditions	Compliance Status
	(x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Unit carry out CER activities as per the plan mentioned in the EIA report.
	(xi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the state Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Unit commits that funds earmarked for environment management/ pollution control measures shall not be diverted for any other purpose
	(xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Unit has sent copy of the clearance letter to Panchayat, Zilla Parishad/ Municipal Corporation, Urban local Body and the local NGO.
	(xiii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of environmental clearance and six-monthly compliance status reports shall be posted on the website of the company.	Six monthly compliance of Environmental Clearance conditions including results of monitored data are uploaded on PARIVESH portal and posted on the website of the company.
	(xiv) The environmental statement for each financial year ending 31st march in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Unit is complying with the given condition. Form-V is regularly submitted to SPCB for each financial year and attached as **Annexure 2.**
	(xv) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in. This shall be advertised within seven days from the data of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied. EC advertisement in two local newspapers in the vernacular language of the locality concerned has been done. Newspaper cutouts of the same are attached below:

Sr. No.	Conditions	Compliance Status
	PUBLIC NOTICE **ENVIRONMENTAL CLEARANCE** It is hereby informed that the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan,Jorbagh Road, New Delhi, has accorded Environmental Clearance for proposed expansion in existing premises for Pesticides and Pesticide Specific Intermediates manufacturing unit of **M/s.Cheminova India Limited (Intermediate Division)** at Plot no. (27+28)/A Notified GIDC Industrial Estate, Panoli-394 116, Ta: Ankleshwar, Dist.Bharuch, State: Gujarat,Vide letter **dated 31/12/2019** [F.NO **IA-J-11011/53/2018-IA-II(I)**] under the provision of EIA Notification dated 14th September 2006. Copies of Clearance Letter are available on Website of MoEF&CC (PARIVESH)- http://moef.nic.in **Dated 09/01/2020** **Authorized Signatory–SD-**	**જાહેર સૂચના** **પર્યાવરણીય મંજૂરી** આ સાથે જણાવવામાં આવે છે કે મિનિસ્ટ્રી ઓફ એન્વાયરમેન્ટ, ફોરેસ્ટ અને ક્લાઈમેન્ટ ચેન્જ દ્વારા મે. ચેમિનોવા ઈન્ડિયા લિમિટેડ (ઈન્ટરમીડિયેટ ડિવિઝન) પ્લોટ નંબર (૨૭+૨૮)/A, નોટીફાઈડ જી.આઈ.ડી.સી. ઈન્ડસ્ટ્રીયલ એસ્ટેટ, પાનોલી-૩૯૪ ૧૧૬, તાલુકાઃ અંકલેશ્વર, ડિસ્ટ્રિક્ટ. ભરૂચ, સ્ટેટઃગુજરાત ખાતેના હાલના એકમ પર સૂચિત પેસ્ટીસાઈડ્સ તથા તેના પેસ્ટીસાઈડ સ્પેસિફિક ઈન્ટરમીડિયેટ્સ ના વિસ્તરણ માટેની પર્યાવરણીય મંજૂરી ડિસેમ્બર, ૩૧, ૨૦૧૯ ના પત્ર દ્વારા [ફાઈલ ક્રમાંક IA-J-11011/53/2018-IA-II(I)] ઈ.આઈ.એ. નોટિફીકેશન તારીખ ૧૪ સપ્ટેમ્બર ૨૦૦૬ની જોગવાઈ હેઠળ આપેલ છે. પર્યાવરણીય મંજૂરીના પત્રની નકલ MoEF&CC (PARIVESH) ની વેબસાઈટ (http://moef.nic.in) ઉપર ઉપલબ્ધ છે. તારીખઃ ૦૮/૦૧/૨૦૨૦ સહીઃ--
	(xvi) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted.
12.	The ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted and agreed.
13.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
14.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
15.	The above conditions will be enforced, *inter alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted.
16.	This issue with approval of the competent authority.	Noted.

FMC | An Agricultural Sciences Company

Cheminova India Limited
Intermediate Division
(27+28)/A, GIDC Estate,
Panoli - 394 116
Dist. Bharuch (Gujarat)
India.
cheminova.panoli@fmc.com
Phone : 02646 - 618500/01/02/03
Mo. : +91 97252 02658
fmc.com / fmc.in
CIN NO. U24100MH1986PLC038627

Ref No. CIL/ INTER/Form -V/2023-24/09/05/24

ID: 15016

Date: 5Th September 2024

To

The Member Secretary

Gujarat Pollution Control Board,

Paryavaran Bhawan, Sector-10-A,

Ghandhinagar-382010

SUB: - Submission of Environment Statement (FORM-V) for the Year 2023-24

Respected Sir,

Please find enclosed the duly filled Environment Statement in Form-V for the financial year 2023-24

Please acknowledge the same.

This is for your kind perusal please

Thanking you,

Yours faithfully,

RECEIVED
G. P. C. Board
R. O. Ankleshwar
Date 5/09/2024

Cheminova India Limited. Panoli.
Intermediate Division
Plot No. (27+28) /A,
G.I.D.C. Estate, Panoli.

Enclosures: Form —V

CC To: Regional Officer, GPCB, Ankleshwar.

FORM - V
(See Rule 14)

From :

CHEMINOVA INDIA LTD.
Intermediate Division Plot no (27+28)/A
GIDC Panoli, Tal Ankleshwar Dist Bharuch

To:

Gujrat Pollution Control Board,
Paryavaran Bhavan, sector 10 A
Gandhinagar -382010

Environmental Statement for the financial year ending the 31st March, 2023

PART -A

i)	Name & address of the Owner/Occupier of the industry, operation or process	- **Mr. Manoj Khanna** CHEMINOVA INDIA LTD. Intermediate Division Plot no (27+28)/A GIDC Panoli, Tal Ankleshwar Dist Bharuch
ii)	Industry category Primary :- (STC Code) Secondary:- (SIC Code)	- LSI Not Applicable Not Applicable
iii)	Production capacity:- Units	- ANNEXURE-1
iv)	Year of establishment	- 1998
v)	Date of the last environmental statement submitted	- 6Th September 2021

PART -B

Water & Raw Material Consumption

i) Water consumption - M^3/day		277	m3/day
Process	-	109	m3/day
Cooling	-	143	m3/day
Domestic	-	25	m3/day

Name of products	Process water consumption per product output (Lit./ Kg)	
	During the previous financial year 2022-2023 (1)	During the current financial year 2023-2024 (2)
(1) Diethyl Thio Phosphoryl Chloride	8.60	7.60
(2)Azole group based products (Florasulam)	65.00	0.00
(3)Bixlozone (F-9600)	8.90	8.20
(4) Fluindapyr (F9990)	25.40	23.80

CHEMINOVA INDIA LIMITED PANOLI

ii) Raw Material consumption

* Name of raw materials		Name of Products	Consumption of raw material per unit of output	
			During the previous financial year 2022-2023	During the Current financial year 2023-2024
1	Phosphorous	DETPC	0.198	0.1944
2	Sulphur		0.502	0.4980
3	Ethanol		0.790	0.7941
4	Caustic lye		0.258	0.2444
5	Chlorine		0.489	0.4977
6	Cyclo hexane		0.000	0.0023
7	Homet P	Azole group based products (Florasulam)	0.000	N.A
8	TEA		0.494	N.A
9	POCl3		0.000	N.A
10	Hydrazine Hydrate		0.000	N.A
11	H2O2		0.406	N.A
12	CS2		0.441	N.A
13	Chlorine		0.911	N.A
14	2,6 DFA		0.613	N.A
15	Toluene		0.000	N.A
16	Caustic lye - 100 %		1.252	N.A
17	Methanol		0.519	N.A
18	30% HCl		2.196	N.A
19	MDC		1.116	N.A
20	SBS		0.340	N.A
21	,ACN		0.338	N.A
22	IPA		0.245	N.A
23	Sodium Methoxide-25%		2.375	N.A
24	TBAHS		0.028	N.A
25	Common salt		0.222	N.A
26	Soda Ash		0.022	N.A
27	Sodium Bi carbonate		0.000	N.A
28	K2CO3		0.340	N.A
44	Isoxazolidinone solution,	**Bixlozone (F-9600)**	0.629	0.6345
45	Heptane		0.073	0.0762
46	2, 4-DCBC		0.958	0.9562
47	TBAB catalyst		0.074	0.0754
48	48%Caustic lye		0.000	0.0000
49	Indanamine	**Fluindapyr (F-9990)**	0.635	0.6148
50	Pyrozole Carboxylic cid (DFI		0.533	0.5161
51	Heptane		0.987	0.5121
52	Dimethyl Formamide		0.005	0.0044
53	Thionyl Chloride		0.421	0.4090
54	Caustic Soda Lye		0.894	0.7544

* Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

i) Pollutants		Quantity of pollutants discharged (mass/day) TPD except pH & Temp.	Concentrations of pollutants in discharges (mass/volume) mg/l except pH & Temp.	Percentage of variation from prescribed standard with reasons
Average Flow 126.35 m3/d.				
a)	**Water**	**TPD**	**mg/L**	
		Zero Discharge Unit	Zero Discharge Unit	

HEMINOVA INDIA LIMITED PANOLI

b) Air		TPD	mg/Nm³	
Vent Incinerator				
	SPM	0.0061	32.90	.--
	SOx	0.0108	58.700	.--
	NOx	0.0046	25.10	.--
	Cl2	0.0001	0.76	.--
	HCl	0.0003	1.63	.--
	CO	0.0115	62.000	.--
Boiler				
	SPM	0.068	79.67	.--
	SOx	0.016	18.67 ppm	.--
	NOx	0.020	24.00 ppm	.--
F9600/ Bixlozone	HCl		1.35	
F9990 Step 5/6 Reactor	HCl		15.20	
	SO2		1.43	

PART-D

Hazardous Wastes

(As specified under Hazardous Wastes/Management & Handling Rules, 1989)

Hazardous wastes		Total Quantity (kg)	
		During the previous financial year 2022-2023	During the current financial year 2023-2024
a) From Process			
Category	Type of Waste		
	(1)Recovered Sulphur	8685	0
	(2)Used Oil	0	715
	(3) Evaporation Salt	785	0
	(4) Non Recyclable Plastic		0
	& Insulation Waste	76970	59355
	(5) Incineration Waste		0
	& Co Processing	1889080	1388690
	(6) Asbestous Sheet	0	0
b) From Pollution Control facilities			0
	ETP Sludge	1551450	1494265
By products	Sodium Hydro sulfide 30%	2753300	2474905
	Hydrochloric Acid 30%	3125755	2855855
	Phosphoric Acid	599990	420360
	Sodium Bisulphite Powder	4200	0
	Sodium Sulphite 30%	498420	2082920
	Sodium Bisulphite Solution (30%)	72	0

PART -E

Solid Wastes

	Total Quantity in Kgs	
	During the previous financial year 2022-2023	During the current financial year 2023-2024
a) From Process	Nil	Nil
b) From Pollution Control facilities	Nil	Nil
c) 1) Quantity recycled or re-utilized within the unit	Nil	Nil
2) Sold		
Discarded Container / Drum Cut sheet	94915	32750
3)Disposed	Nil	Nil

MINDCHA INDIA LIMITED

PART -F

Please specify the characterizations (in terms of composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

KINDLY REFER ANNEXURE-2

PART -G

Impact of the pollution control measures on conservation of natural resources and on the cost of production.

(1) Use of Dual Fuel Technology (NG and diesel) has been adopted in D.G. Sets (Backup Generators)

(2) Backpressure Steam Turbine system has been installed to covert waste steam in Power

(3)Use of Briquette as fuel is continued and Briquette boiler efficiency improvement has been done

(4) Use of Non- Conventional Energy - Solar and wind Power from supplier is continued and agreement is made to have Sustainable production

PART -H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

(1) 'Rationalization of cooling tower has been done to safe Energy

(2) 4Rthon project has been implemented to conserve natural resources

PART - I

Any other particulars for improving the quality of the environment.

(1) Recycling of Treated Effluent in process and Cooling Tower, Fire Hydrant etc is done and miantain ZLD Plant by operation of RO /

(2) Domestic Effluent is treated separately in Sewage Treatment Plant (STP) and Treated water is used for Gardening / Planation

(3) World Environment DaY was celebrated on 5th June and tree plant was done inside the premises

Date: 5-Sep-24

(Signature of a person carrying out an industry, operation or process)

CHEMINOVA INDIA LIMITED PANOLI

Name: Anil N Shah

Designation: Factory Manager

Address: Cheminova India Limited.
(Intermediate Division)
Plot no.(27/28)/A,
GIDC Estate, Panoli-394116.
Dist. Bharuch, Gujarat.

ANNEXURE –1

PRODUCTION CAPACITY (MT / YEAR)

Sr. No.	Products	Total Capacity (MT/Annum)
1	Phosphorus Trichloride (PCl_3)	1000
2	Trimethyl Phosphite (TMP) or Triethyl Phosphite (TEP)	100
3	Diethyl Thio Phosphoryl Chloride (DETPC)/DETA/NaDETA	8000
4	Cyhalothrin Acid	250
5	Phosphorus Penta Sulphide (P_2S_5)	3400
6	Fluindapyr (F 9990)	1200
7	Bixlozone (F9600)	4200
8	Acid based products [2-bromobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium (H), Pyrithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)]etc.	150
9	Amide group based products [Pretilachlor (H), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide (F),Flufenacet (H),2 Aminosulfonyl – N-N- Dimethylnicotinamide (SNA) (Int), 2-(Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (Int)] etc.	150
10	Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Arnitraz (I), Indoxacarb (I), Clofentezine (I), 2 Methoxy -4-Methyl-6-Methylamino-l,3,5-Triazine (MMMT) (Int)] etc.	300
11	Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazo[e (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tebuconazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener Isoxadifen ethyl (Int), Irnidacloprid (I), 2, 6 DiChloroBenzoxazolone (Int), Penoxasulam (H)] etc.	200
12	Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Methyl (F)] etc.	500
13	Ester group based products [Fenoxaprop-p-Et (H), Clodinafop-Pr (H), Quizolfop-p-ethyl (H), Quinzolfopp-terfuryl (H),Cyhalofop (H), Isoprothiolane (F),Alphamethrin (I), Lambda Cyhaothrin (I), Cypermethrin)I),Bifenazate (I), Phthalide (Int],etc.	300
14	Ether group based products [Propargite (I), oxyfluorfen (H), 3-Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)]etc.	200
15	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxaflutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)]etc.	1200
16	Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)]etc.	5000
17	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocct Mexyl (H), Acetamiprid (I), 4,6-DiChloro Pyridine (Int)], Azoxvstrobin (F) etc.	250
18	Urea group based product [Buprolezin (I), Lufenuron (I), Linuron (H), Diafenthiuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I), Spiromesifen (I), Azimsulfuron (H) , Sulfonyl Ureas (H)] etc.	100
19	Phenol group based product [2-Cyanophenol (Int), 4- Fluro-3 trilluromethyl phenole (Int)]etc.	75
20	Sulfentrazone	1500
21	Malathion	3000
22	F-4050 (2-(4-fluoro-3-(trifluoromethyl)phenoxy)-N-benzylbutanamide)	1500
23	Beflubutamide	450
24	Gamma Cyhalothrin	300
25	Bifenthrin	300
26	FMC-57091 (4,4-dimethyl isoxazolidin-3-one)/ (Isoxazolidinone)	1500
27	Thifensulfuron Methyl	205
28	Tribenuron Methyl	215
29	Metsulfuron Methyl	200
30	Ethametsulfuron Methyl	10
31	Chlorsulfuron	50
32	Triflusulfuron Methyl	50
33	Azimsulfuron	4
34	Flupyrsulfuron Methyl Sodium	12

INOVA INDIA LIMITED

ANNEXURE -2

CHARACTERISATION OF HAZARDOUS WASTE

Sr, No,	Description of waste	Physical Form	Waste Category No,	Sp, Gr,	% Solids	Chemical Composition	Method of disposal
1	ETP Sludge	Solid	35.3	x	85	CaO- 55%,P2O5 -15% SiO2-5%,water -15% Other calcium salt 10%	Collection,Disposal,Storage, Transportation, Disposal to TSDF (BEIL/SEPPL)
2	Used Oil	Liquid	5.1	0.94	N.A.	N.A.	Collection,Disposal,Storage, Transportation, Disposal by selling to Recycler, Refiner
3	Discarded Container Bags /Liners	Solid	33.3	-------	-------	M.S.,PVC, HDPE.	Discarded containers sale to Authorised Decontamination Facilty . Bags/Liners disposed to Common TSDF facility of M/s. BEIL, SEPL & SEPPIL
4	Process Waste or Residue	Liquid	29.1	1.01	5 to 10	Stable Liquid waste pH - 5.5 to 8.5 Ash -2.5 to 4.5%, CV -2500 to 5000 Cal/gm	Collection,Disposal,Storage, Transportation, Disposal to CHWIF of (BEIL/SEPPL/ RSPL) Coprocess to cement industry
5	Soild Waste (Evaporation Salt)	Solid	29.1	------	------	Mostly In-Organic compound	Disposal to Common TSDF facility of M/s. BEIL, Ankleshwar & M/s. SEPL
6	Recovered Sulphur	Solid	D-1	--------	---	Recovered Sulfur CAS No. 7704-349	Disposal to Common TSDF facility of M/s. BEIL, Ankleshwar
7	Sodium Hydro sulfide 30%	Liquid	.--	------	------	NasH -30%	Sold to Authorized End users
8	Hydrochloric Acid 30%	Liquid	B-15	------	------	HCL-30%	Sold to Authorized End users
9	Phosphoric Acid	Liquid	B-15	------	------	Phosphoric Acid-68 %	Sold to Authorized End users
10	Sodium Bisulphite Powder	Powder	B-23	------	------	SBS Powder	Sold to Authorized End users
11	Sodium Sulphite 30%	Liquid	B-15	------	------	SS -30 %	Sold to Authorized End users
12	Sodium Bisulphite Solution (30%)	Liquid	B-23	------	------	SBS Sol. 30 %	Sold to Authorized End users
13	Spent Sulphuric Acid (20%)	Liquid	B-15	------	------	Sulphuric acid 20%	Sold to Authorized End users
14	Acetic acid (30%)	Liquid	B-28	------	------	Acetic acid 30%	Sold to Authorized End users
15	Spent Solvents	Liquid	20.2	0.98	N.A.	MDC, Acetone, Toluene, Methanoletc	Collection,Disposal,Storage, Transportation, Disposal to CHWIF of (BEIL/SEPPL/ RSPL) Sale out to authorized user having Rule-9
16	Distillation Residue	Liquid	20.3	1.01	5 to 20	Stable Liquid waste pH - 5.5 to 8.5 Ash -2.5 to 4.5%, CV -2500 to 10000 Cal/gm	Collection,Disposal,Storage, Transportation, Disposal to CHWIF of (BEIL/SEPPL/ RSPL) Coprocess to cement industry
17	Date Expired/off Specification Product	Liquid / Solid	29.3	x	x	Off Specification products	Collection, Storage, Transportation Disposal at TSDF / CHWIF Facility at – BEIL & SEPPL/ Safe Enviro
18	Spent Catalyst	Solid	29.5	x	.-	Catalyst	Disposal to CHWIF for incineration at BEIL/ SEPPL / Sent back to supplier for regeneration
19	Spent Sulphuric Acid(60%)	Liquid	B15	x	.-	Spent Sulphuric Acid- 50%	Spent Sulphuric Acid 50% - Disposal by selling out to authorized users who are having authorization with valid CTO and rule 9 permission

CHEMINOVA INDIA LIMITED PANOLI