

Date: 20-12-2021

Ref.: CIL-TECH /EC-Comp/02/2021

To,  
**The Ministry of Environment, Forests & Climate Change**  
Regional Office, Western Region,  
"Kendriya Paryavaran Bhavan", Link Road No.3,  
E-5, Ravishankar Nagar,  
Bhopal - 462 016, State: M.P, India

**Sub: Submission of compliance report of M/s. Cheminova India Limited (Technical Division) for our EC No. IA-J-11011/85/2018-IA-II(I); dated 25/11/2019 for the period of June 2021 to November 2021.**

Respected Sir,

In accordance to the condition specified in our EC, we hereby submit duly filled datasheet for monthly Monitoring report (June 2021 to November 2021) for implementation of stipulated conditions of our EC together with point wise compliance status of various stipulations.

We hereby submit the duly filled datasheet as per data for the period of **June 2021 to November 2021**.

Following are the Annexure to this report:

Annexure No.	Annexure Details
A	Six Monthly Monitoring report data sheet
1	Compliance report of EC
2	Compliance report of CC&A/CTO Amendment
3	Copy of existing EC and CC&A/CTO
4	Annual return- Form-4 (2020-2021)
5	Environmental statement- Form V (2020-2021)

Please find the above in order and acknowledge receipt.

Thanking You,  
Yours faithfully,

For M/s. Cheminova India Limited (Technical Division)

  
Authorized Signatory  
Copy to:

1. The Secretary, Forest and Environment Department, Government of Gujarat, Block 14, 8<sup>th</sup> Floor, Sachivalaya, Gandhinagar (Gujarat)-10.
2. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, CBD-Cum Office Complex, East Arjun Nagar, New Delhi – 32.
3. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector – 10A, Gandhinagar (Gujarat) – 10.

# **SIX MONTHLY EC COMPLIANCE REPORT**

**(June 2021 to November 2021)**

***For***

**M/s. Cheminova India Limited (Technical Division)**

**(Manufacturing of Agrochemicals & their Intermediates)**

**Plot No. 241, 242/2, 241/P Notified GIDC Industrial Estate,  
Panoli- 394 116,  
Dist. Bharuch, State-Gujarat, India.**

**Submitted to:**

**The Ministry of Environment, Forests & Climate Change**

**Regional Office, Western Region,  
"Kendriya Paryavaran Bhavan", Link Road No.3,  
E-5, Ravishankar Nagar,  
Bhopal - 462 016, State: M.P, India**

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## Six Monthly EC Compliance Report

### A – Six Monthly Monitoring Report - DATA SHEET

#### Monitoring the Implementation of Environmental Safeguards

Ministry of environment & Forests

Regional Office (W), Bhopal

Six Monthly Monitoring Reports

**PART - 1**

From: 01.06.2021 to 30.11.2021

No. SC/CIL-Tech/ EC-Datasheet/02-2021																									
1	Project Type : River-Valley / Mining/ Industry / Thermal / Nuclear / Other (Specify) : Agrochemicals & their Intermediates																								
2	Name of the Project : <b>Expansion Of Agrochemicals &amp; their Intermediates at Existing Unit M/s. Cheminova India Limited (Technical Division)</b>																								
3	Clearance Letter(s)/ OM No. & Date : IA-J-11011/85/2018-IA-II(I) Date: 25 <sup>th</sup> November 2019																								
4	Location																								
	a]. District (s) : Bharuch																								
	b]. State (s) : Gujarat																								
	c]. Latitude / Longitude : 21°34'30.39"N/ 72°59'50.39"E																								
5	Address for Correspondence : Plot No. 241, 242/2, 241/P Notified GIDC Industrial Estate, Panoli- 394 116, Dist. Bharuch, State-Gujarat, India.																								
	a]. Address of Concerned Project Chief Engineer With Pin code & Telephone / Telex / Fax Numbers. : Mr. Abhay Arora Tel. 9033978613-17																								
	b]. Address of Executive Project Engineer / Manager (with Pin code / Fax Number) : Mr. Abhay Arora Tel. 9033978613-17																								
6	Salient Features																								
	a]. Of the Project : As detailed below																								
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Components</th> <th style="text-align: left;">Proposed Scenario</th> </tr> </thead> <tbody> <tr> <td>EC No.</td> <td>IA-J-11011/85/2018-IA-II(I)</td> </tr> <tr> <td>Environmental Clearance accorded for -</td> <td><b>Product name attached in Annexure-1</b></td> </tr> <tr> <td>Total Power Requirement</td> <td>3500 KVA</td> </tr> <tr> <td>Source of Power</td> <td>Captive Power Plant &amp; DGVCL</td> </tr> <tr> <td>Fresh Water requirement</td> <td>261 KL/day</td> </tr> <tr> <td>Source of Water Supply</td> <td>GIDC water supply</td> </tr> <tr> <td>Wastewater Generation</td> <td>Total: 670.5 KL/day Industrial : 631 KL/day Domestic : 39.5 KL/day</td> </tr> <tr> <td>Process Emissions</td> <td>HCl, Chlorine &amp; CO</td> </tr> <tr> <td>Flue Gas Emission</td> <td>Due to combustion of Natural gas, HSD in boiler, Incinerator.</td> </tr> <tr> <td>Fuel Type</td> <td>Natural Gas and H.S.D</td> </tr> <tr> <td>Fuel Requirement</td> <td>Natural Gas- 15500 Sm<sup>3</sup>/day, H.S.D.- 4320 l/day</td> </tr> </tbody> </table>	Components	Proposed Scenario	EC No.	IA-J-11011/85/2018-IA-II(I)	Environmental Clearance accorded for -	<b>Product name attached in Annexure-1</b>	Total Power Requirement	3500 KVA	Source of Power	Captive Power Plant & DGVCL	Fresh Water requirement	261 KL/day	Source of Water Supply	GIDC water supply	Wastewater Generation	Total: 670.5 KL/day Industrial : 631 KL/day Domestic : 39.5 KL/day	Process Emissions	HCl, Chlorine & CO	Flue Gas Emission	Due to combustion of Natural gas, HSD in boiler, Incinerator.	Fuel Type	Natural Gas and H.S.D	Fuel Requirement	Natural Gas- 15500 Sm <sup>3</sup> /day, H.S.D.- 4320 l/day
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## Six Monthly EC Compliance Report

	Man power	Total: 200 (Company employee) + 500 (Contract employee)
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	<p>For Air Environment Management</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Work place monitoring to be carried out periodically to check fugitive emissions, if any.</li> <li>• To develop and maintain greenbelt, in and around the factory, for reducing the effect of air pollutants due to their deposition.</li> <li>• To follow proper loading and unloading practices to minimize dusting</li> <li>• To maintain proper record for the fuel consumption, start-up time and duration of boiler operation towards energy conservation</li> </ul>	<ul style="list-style-type: none"> <li>• Company maintains its own records and monitors the ambient air and flue gas emission within premises periodically. Monitoring of ambient air &amp; flue gas analysis is done by Siddhi Green Excellence Pvt Ltd., Ankleshwar.</li> <li>• Work place monitoring to be carried out periodically by Siddhi Green Excellence Pvt Ltd., Ankleshwar.</li> <li>• Unit has developed &amp; maintained greenbelt area inside the factory.</li> <li>• Unit is having closed system for loading and unloading of chemicals.</li> <li>• Unit is maintaining records for the fuel consumption, start-up time and duration of boiler operation towards energy conservation</li> </ul>
3	<p>For Water Environment Management</p> <ul style="list-style-type: none"> <li>• To investigate possibilities of water reuse and recycling for reducing water consumption and wastewater generation</li> <li>• Records of water consumption, effluent generation, effluent discharge, water characteristics, treated and untreated effluent characteristics to be maintained.</li> <li>• 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&amp;A of GPCB.</li> <li>• The effluent collection and discharge drainages, effluent handling and treatment systems to be maintained and regularly monitored to prevent leakages or sudden break-down.</li> <li>• Proper house-keeping to be adopted to prevent spillages and contaminated surface runoff going to storm water drains.</li> </ul>	<ul style="list-style-type: none"> <li>• Reuse and recycling options are being investigated together with feasibility of rainwater harvesting</li> <li>• Unit is maintaining records of water consumption, effluent generation, effluent discharge, water characteristics, treated and untreated effluent characteristics.</li> <li>• The adequacy and efficiency of ETP is maintained well and the effluent is treated appropriately at all the stages. It is ensured that the treated effluent meets specified norms of as specified in CC&amp;A of GPCB.</li> <li>• The effluent collection and discharge drainages, effluent handling and treatment systems are maintained and regularly monitored to prevent leakages or sudden break-down by preventive maintenance of all ETP units is taken periodically by taking appropriate proactive actions.</li> <li>• Good house-keeping have been implemented by the unit to prevent spillages and contaminated surface</li> </ul>

## Six Monthly EC Compliance Report

	4	<p>For Hazardous / Non-hazardous waste management</p> <ul style="list-style-type: none"> <li>• Proper storage and handling arrangements in compliance to the conditions of authorization granted by SPCB.</li> <li>• Proper signboards to be provided at relevant places.</li> <li>• All the necessary regulatory procedures as per the amended Hazardous Waste Management &amp; Handling Rules – 2003 to be followed and adhered with.</li> <li>• The transportation of hazardous waste to the TSDF Site to be as per the guidelines and accompanied with Form-9.</li> <li>• 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.</li> </ul>	<p>runoff going to storm water drains.</p> <ul style="list-style-type: none"> <li>• Unit has a separate ware house for storage of raw materials, solvents and finished goods with proper handling equipments.</li> <li>• Signboards are provided at relevant places.</li> <li>• Unit is following the same as per the amended Hazardous Waste Management &amp; Handling Rules – 2016</li> <li>• Unit is following guideline for transportation of hazardous waste to TSDF &amp; CHWIF of M/s. BEIL.</li> <li>• 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 – 4 and form – 13.</li> </ul>																
<p><b>Note:</b> Environment Statement – Form V (Financial year -2020-2021) is attached as Annexure-5.</p>																			
7	<p>Production details during compliance period and (or) during the previous financial year</p>	:	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2">Production Details</th> </tr> <tr> <th>Month</th> <th>Quantity (MTM)</th> </tr> </thead> <tbody> <tr> <td>June 2021</td> <td>82.653</td> </tr> <tr> <td>July 2021</td> <td>91.05</td> </tr> <tr> <td>August 2021</td> <td>89.319</td> </tr> <tr> <td>September 2021</td> <td>69.079</td> </tr> <tr> <td>October 2021</td> <td>81.231</td> </tr> <tr> <td>November 2021</td> <td>108.063</td> </tr> </tbody> </table>	Production Details		Month	Quantity (MTM)	June 2021	82.653	July 2021	91.05	August 2021	89.319	September 2021	69.079	October 2021	81.231	November 2021	108.063
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8	<p>Break Up of the Project Area</p> <p>a]. Submergence area : forest &amp; Non-forest</p> <p>b]. Others</p>	:	<p>Unit is located in G.I.D.C Panoli. (Notified area)</p>																
9	<p>Breakup of the project affected population with enumeration of those losing houses / dwelling units, only agricultural land, dwelling units &amp; agricultural land &amp; landless laborers / artisan.</p> <p>a]. SC , ST / Adivasis</p> <p>b]. Others</p> <p>(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)</p>	:	<p>Not applicable since unit is located in G.I.D.C Panoli (Notified area)</p> <p>---</p> <p>---</p> <p>---</p>																
10	<p>Financial Details</p> <p>a]. Project cost as originally planned and subsequent revised estimates and the year of price reference</p>	:	<p>Rs. 365.92 crore (For Proposed Expansion only)</p>																

## Six Monthly EC Compliance Report

	b]. Allocation made for environmental management plans with item wise and year wise break-up.	:	As follows	
	<b>Sr. No.</b>	<b>Particulars</b>	<b>Recurring Cost Per Annum [Rs. In lakh]</b>	<b>Capital Cost (Rs. In lakh)</b>
	1	Air Pollution Control	200	565
	2	Water Pollution Control	1260	925
	3	Noise Pollution Control	0.5	0.5
	4	Environment Monitoring & Management	90	98
	5	Occupational Health & Safety	20	25
	6	Green Belt development & maintenance	1.5	1.5
	7	Solid waste management	5243	100
		<b>TOTAL Planned</b>	<b>6815.0</b>	<b>1715</b>
	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	:	--	
	f]. Actual expenditure incurred on the Environmental Management Plan so far	:	--	
		:		
		:		
11	Forest land Requirement	:	Not applicable since unit is located in G.I.D.C Panoli (Notified area)	
		:		
	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.	:	Not applicable since unit is located in G.I.D.C Panoli (Notified area)	
		:		
13	Status of construction	:	Construction Initiated	
		:		
	a]. Date of commencement (Actual and / or Planned).	:	May 2021	
	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	:	Not applicable	
		:		
15	Dates of site visits	:		
		:		
	a]. The dates on which the project was monitored by the MoEF&CC, Regional Office on Previous occasions, (if applicable)	:	17/02/21 (Visit by CPCB officers)	

## Six Monthly EC Compliance Report

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	b). Date of site visit for this monitoring project	:	--
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.)	:	--

**Note:** EC compliance report and CC&A/CTO compliance report is attached as Annexure 1 & 2.

## Six Monthly EC Compliance Report

### Annexure 1 -Compliance report of EC

Compliance Report For Stipulated Conditions Of Environmental Clearance																					
EC Order No. IA-J-11011/85/2018-IA-II(I) Date: 25 <sup>th</sup> November 2019																					
Sr. No.	Conditions				Compliance Status																
2.	The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of agrochemicals and their intermediates from 3533 TPA to 15583 TPA by M/s. Cheminova India Limited (Technical Division) in an area of 40476.94 sqm located at Plot Nos. 241, 242/2,241/P, GIDC Industrial Estate, Panoli, Ankleshwar, District Bharuch (Gujarat).				Details attached as below:																
3.	The details of products are as under:-				Presently unit has applied for Partial CC&A Amendment. Unit has obtained EC & CTE after EC. Unit shall follow these conditions thoroughly.  Production data attached as below: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Production Details of Compliance period: June 2021 to November 2021</th> </tr> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">Quantity (MT/Month)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">June 2021</td> <td style="text-align: center;">82.653</td> </tr> <tr> <td style="text-align: center;">July 2021</td> <td style="text-align: center;">91.05</td> </tr> <tr> <td style="text-align: center;">August 2021</td> <td style="text-align: center;">89.319</td> </tr> <tr> <td style="text-align: center;">September 2021</td> <td style="text-align: center;">69.079</td> </tr> <tr> <td style="text-align: center;">October 2021</td> <td style="text-align: center;">81.231</td> </tr> <tr> <td style="text-align: center;">November 2021</td> <td style="text-align: center;">108.063</td> </tr> </tbody> </table>	Production Details of Compliance period: June 2021 to November 2021		Month	Quantity (MT/Month)	June 2021	82.653	July 2021	91.05	August 2021	89.319	September 2021	69.079	October 2021	81.231	November 2021	108.063
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S. NO	Name of Product*	Existing (TPA)	Proposed (TPA)	Total (TPA)																	
1.	ORGANO PHOSPHATE: - ACEPHATE TECH. (I), DICHLORVOS (I), CHLORPYRIFOS (I), QUINALPHOS (I), TRIAZOPHOS (I), PHOSALONE (I), OMETHOATE (I), PROTHIOFOS (I), TEMEFOS (I), PROFENOFOS (I), ETHION (I), ETHWEPHON (PGR), GLYPHOSATE (H), etc.	800 TPA	---	800TPA																	
2.	STROBILURIN: - AZOXYSTROBIN TECH. (F), DES-METHOXYAZOXY (DMA) (INT.) KRESOXIM METHYL (F), FLOUXASTROBIN (F), PYRACLOSTROBIN (F).	1200 TPA	---	1200 TPA																	
3.	NEONICOTINOID/AMIDE: - IMI DACLOPRID TECH (I), THIACTOPRID (I), ACETAMIPRID (I), BEFLUBUTAMIDE TECH (H), FLUBENDAMIDE (I), CHLORANTRANILIPROLE (I), RYNEXAPYR (I), CYMOXANIL (F), THIFLUZAMIDE (F), CARBOXIN (F), CAPTAN (F), PRETILACHLOR (H), PROPYZAMIDE (H), PETHOXAMIDE (H), SNA(INT.), (2-AMINOSULFONYL-N,N-DIMETHYLNICOTINAMIDE), MST(INT.), (2-METHOXYCARBONYL) THIOPHENE-3-SULFONAMIDE), FLUFENACET (H), BOSCALID (F) etc.	225 TPA	---	225 TPA																	
4.	KETONE: - DIMETHOMORPH TECH. (F), CLETHODIM (H), BUTROXYDIM (H), SPIROMESIFEN (I), MESOTRIONE (H), SULCOTRIONE (H), IBP (INT.), (ISOBUTYROPHENONE), PYMETROZINE (I) etc.	60 TPA	---	60 TPA																	
5.	ETHER: - PROPARGITE TECH. (I), OXYFLUORFEN (H),	60 TPA	---	60 TPA																	

## Six Monthly EC Compliance Report

Compliance Report For Stipulated Conditions Of Environmental Clearance						
EC Order No. IA-J-11011/85/2018-IA-II(I) Date: 25 <sup>th</sup> November 2019						
Sr. No.	Conditions					Compliance Status
		ETOXAZOLE (I), EEA (INT.), (2-ETHOXY ETHYL AMINE), S-CYNO-MPB (INT.) etc.				
6.		ANILINE: - PENDIMETHALIN TECH. (H), METALAXYL (F), FAMOXADONE (F), TRIFLURALIN (H), FIPA-OH (INT.) etc.	60 TPA	---	60 TPA	
7.		ESTER/PYRETHROID: - FENOXAPROP-P-ETHYL TECH. (H), BIFENAZATE (I), QUIZALOFOP-P-ET (H), CLODINAFOP-PPG (H), ACRINATHRIN (I), BIFENTHRIN (I), CYHALOTHRIN (I), GAMMA-CYHALOTHRIN (I), LAMDA- CYHALOTHRIN (I), CYPERMETHRIN (I), AND ITS ANALOGS, DELTA-METHRIN (I), ---CYFLUTHRIN (I) AND ITS ANALOGS, PERMETHRIN (I), BIOALLETHRIN (I), FENVALERATE (I), IMIPROTHRIN (I) etc.	150 TPA	--	150TPA	
8.		CARBAMATE & THIO BASED PRODUCTS: - CARTAP.HCL TECH. (I), THIODICARB (I), THIOPHANATE-ME (F), PROPINEB (F), METIRAM (F), THIRAM (F), ISOPROTHIOLANE TECH (I), THIOCYCLAM (I), PROTHIOCARB (F), FLUTIANIL (F) etc.	100 TPA	---	100 TPA	
9.		QUATERNARY SALT AND OTHER SALTS, ACID BASED PRODUCTS: - MEPIQUAT CHLORIDE TECH. (I), CHLORMEQUAT CHLORIDE (I), OTHER SALTS: COPPER HYDROXIDE (BACTERICIDE,F), COPPER SULPHATE (ALGICIDE,F), etc., FLUPROPANATE-NA TECH (H) + HPAA (INT.)-(2-HYDROXYPHENYLACETIC ACID), BBA (INT.)-(BROMOBUTYRICACID), HPPA-INT.(2-(4-HYDROXYPHENOXY)PROPANATE), PICLORAM (H), DICAMBA (H), 2-CYANOPHENOL (INT.) etc.	68 TPA	---	68 TPA	
10		TRIAZOLS: - 2,6 DICHLOROBENZOAZOLE (INT.), ISOXAFLUTOLE (H), FLURASULAM (H), TDA (INT.) (TRIFLUOROMETHYLTHIADIAZOLE), FLUTRIAFOL TECH (F), PROTHICONAZOLE (F), SULFENTRAZONE (H), CARFENTRAZONE-ET (H) etc.	400 TPA	---	400 TPA	
11		TRIAZOLS: - FIPRONIL TECH (I), PROPICONAZOLE (F),		---		

## Six Monthly EC Compliance Report

Compliance Report For Stipulated Conditions Of Environmental Clearance								
EC Order No. IA-J-11011/85/2018-IA-II(I) Date: 25 <sup>th</sup> November 2019								
Sr. No.	Conditions					Compliance Status		
	EPOXYCONAZOLE (F), TEBUCONAZOLE (F), DIFENOCONAZOLE (F), HEXACONAZOLE (F), TRICYCLAZOLE (F), MYCLOBUTANIL (F), FLUSILAZOLE (F), PACLOBUTRAZOLE (PGR), THIAMETHOXAM (I), CHLOROTHALONIL (F), TRIADIMEFON (F), ISOXADIFEN-ET (SF)							
12	HETEROCYCLIC (PYRIMIDINE/PYRIDINE/TRIAZINE): - BISPYRIBAC-NA TECH. (H), PIRIMICARB (I), PYRITHIOBAC-NA (H), FLUMETSULAM (H), CYPRODINIL (F), FLORASULAM (H), PENOX SULAM (H), DCP (INT.)-(4,6-DICHLOROPYRIMIDINE), ACMP (INT.)-(2-AMINO-4-CHLORO-6-METHOXYPYRIMIDINE), IMAZETHAPYR TECH. (H), PYRIDALYL TECH (I), DIFLUFENICAN (H), CLOQUINTOCET-MEXYL(SF)					185 TPA	---	185 TPA
13	HETEROCYCLIC (PYRIMIDINE/PYRIDINE/TRIAZINE): - FLUAZINAM (F), FENPYROXIMATE TECH. (I), METRIBUZIN (H), AMITRAZ (I), CLOFENTEZINE (I), MMT (INT.)-(2-METHOXY-4-METHYL-6-METHYLAMINO-1,3,5-TRIAZINE, METOXYFENOZIDE (I), FENCHLORIM (SF), 2-HYDROXY-3,5,6-TRYCHLOROPYRIDINE & ITS SODIUM SALT (INT. OF CHLORPYRIPHOS) etc.							
14	UREA/ SULPHONYL UREA: - CHLORIMURON-ET TECH. (H), BUPROFEZIN TECH. (I), INDOXACARB (I), NOVALURON (I), LUFENURON (I), DIAFENTHIURON (I), AMICARBAZONE (H), FLUCARBAZONE (H), THIADIAZURON (PGR), HEXYTHIAZOX (I), LINURON (H), DIURON (H), TEFLUTHRIN (I), METSULFURON-METHYL (H)					225 TPA	---	225 TPA
15	UREA/SULPHONYL UREA: - THIFENSULFURON-METHYL (H), TRIBURON-METHYL (H), RIMSULFURON (H), IODOSULFURON (H), DIAMURON (H), CHLORSULFURON (H), PYRAZOLESULFURON (H), PYRAZOLESULFURON-ETHYL (H) etc.							
16	4s ZETA CYPERMETHRIN					---	200	200

## Six Monthly EC Compliance Report

Compliance Report For Stipulated Conditions Of Environmental Clearance					
EC Order No. IA-J-11011/85/2018-IA-II(I) Date: 25 <sup>th</sup> November 2019					
Sr. No.	Conditions				Compliance Status
	17	F-2700 ZETA CYPERMETHRIN	---	1000	1000
	18	RYANXYPYR	---	3000	3000
	19	CYAZYPYR	---	1000	1000
	20	DBC80 / (3- BROMO -1-(3-CHLORO-2-PYRIDINYL)-1H-PYRAZOLE-5-CARBOXYLIC ACID)	---	1950	1950
	21	INDANAMINE	--	800	800
	22	FMC-57091 /ISOXAZOLIDINONE	---	2600	2600
	23	SULFENTRAZONE 2,4- DICHLORO/ 2,4- DICHLOROPHENYL--4-(DIFLOROMETHYL) TRIAZOLONE	---	1500	1500
		<b>Total</b>	<b>3533</b>	<b>12050</b>	<b>15583</b>
	<p>*Banned pesticides shall not be produced. Production of either individual or more products in the group shall not exceed the stipulated total production capacity of the group.</p>				
	1.	CAPATIVE POWER PLANT (NATURAL GAS)	2.04 MW/ Hr	---	2.04 MW/ Hr
4.	Existing land area is 40476.94 sqm. No additional land will be required for the proposed expansion. Industry will enhance existing greenbelt in an area of 13450 sqm covering 33% of total project area. The estimated project cost for expansion is Rs. 365.92 crores. Total capital cost earmarked towards environmental pollution control measures is Rs 17.15 crores and the recurring cost (O&M) will be about Rs 68.15 crores per annum. Total employment will be for 200 persons directly and 500 persons indirectly after expansion.				Photographs of greenbelt area attached as below:
					

## Six Monthly EC Compliance Report

### Compliance Report For Stipulated Conditions Of Environmental Clearance

EC Order No. IA-J-11011/85/2018-IA-II(I) Date: 25<sup>th</sup> November 2019

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5.	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 is flowing at a distance of 0.28 km in west direction.	Unit is located in Panoli Notified GIDC Industrial Estate.																
6.	<p>Total water requirement is estimated to be 898 cum/day, which includes fresh water requirement of 261 cum/day, proposed to be met from GIDC supply.</p> <p>Industrial effluent of 670 cum/day will be treated through Effluent Treatment Plant having Primary, Secondary &amp; Tertiary Treatments, MEE and RO &amp; shall be recycled back to process. Domestic effluent will be treated through STP after expansion. There will be no discharge of treated /untreated wastewater from the unit, and thus ensuring Zero Liquid Discharge.</p> <p>Power requirement after expansion will be 3500 KVA including existing 2200 KVA and will be met from M/s Dakshin Gujarat Vij Company Limited (DGVCL). Existing unit has one DG set of 1250 KVA capacity, additionally 1 no. DG set of 1500 KVA will be used as stand by during power failure for proposed expansion.</p> <p>Existing unit has natural gas based WHRB- Captive power plant, 2 nos. of natural gas based boilers of 10 TPH and 5 TPH capacity and one natural gas based thermic fluid heater of 10 lakh Kcal/h will be installed additionally in the proposed expansion. Water scrubbers and alkali scrubbers shall be installed for controlling emissions.</p>	<p>Total water consumption details as below:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 25%;">Month</th> <th style="width: 25%;">Quantity KL/Month</th> <th style="width: 50%;">Limit as per CC&amp;</th> </tr> </thead> <tbody> <tr> <td>June 2021</td> <td style="text-align: center;">2820</td> <td rowspan="6" style="text-align: center; vertical-align: middle;"><b>310.2 KL/ Day</b></td> </tr> <tr> <td>July 2021</td> <td style="text-align: center;">2840</td> </tr> <tr> <td>August 2021</td> <td style="text-align: center;">3160</td> </tr> <tr> <td>September 2021</td> <td style="text-align: center;">1571</td> </tr> <tr> <td>October 2021</td> <td style="text-align: center;">2079</td> </tr> <tr> <td>November 2021</td> <td style="text-align: center;">2795</td> </tr> </tbody> </table> <p>Up to 20<sup>th</sup> September 2021 treated effluent was discharged underground conveyance pipeline connected to FETP of Narmada Clean Tech (NCT). On 9<sup>th</sup> November application was submitted to NCT to disconnect the flow meter, and remove the Data Recorder provide seal to Effluent Discharge line.</p>	Month	Quantity KL/Month	Limit as per CC&	June 2021	2820	<b>310.2 KL/ Day</b>	July 2021	2840	August 2021	3160	September 2021	1571	October 2021	2079	November 2021	2795
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EC Order No. IA-J-11011/85/2018-IA-II(I) Date: 25<sup>th</sup> November 2019

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		<p>Total waste water generation details as below:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 25%;">Month</th> <th style="width: 25%;">Quantity KL/Month</th> <th style="width: 50%;">Limit as per CC&amp;</th> </tr> </thead> <tbody> <tr> <td>June 2021</td> <td style="text-align: center;">887</td> <td rowspan="6" style="text-align: center; vertical-align: middle;"><b>104.4 KL/Day</b></td> </tr> <tr> <td>July 2021</td> <td style="text-align: center;">1104</td> </tr> <tr> <td>August 2021</td> <td style="text-align: center;">764</td> </tr> <tr> <td>September 2021</td> <td style="text-align: center;">868</td> </tr> <tr> <td>October 2021</td> <td style="text-align: center;">NIL</td> </tr> <tr> <td>November 2021</td> <td style="text-align: center;">NIL</td> </tr> </tbody> </table> <p>Fuel Consumption of existing utilities as per CC&amp;A is give below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Month</th> <th style="width: 75%;">Quantity NM3</th> </tr> </thead> <tbody> <tr> <td>June 2021</td> <td style="text-align: center;">26567</td> </tr> <tr> <td>July 2021</td> <td style="text-align: center;">24816</td> </tr> <tr> <td>August 2021</td> <td style="text-align: center;">41379</td> </tr> <tr> <td>September 2021</td> <td style="text-align: center;">51437</td> </tr> <tr> <td>October 2021</td> <td style="text-align: center;">48770</td> </tr> <tr> <td>November 2021</td> <td style="text-align: center;">53784</td> </tr> </tbody> </table>	Month	Quantity KL/Month	Limit as per CC&	June 2021	887	<b>104.4 KL/Day</b>	July 2021	1104	August 2021	764	September 2021	868	October 2021	NIL	November 2021	NIL	Month	Quantity NM3	June 2021	26567	July 2021	24816	August 2021	41379	September 2021	51437	October 2021	48770	November 2021	53784
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**Compliance Report For Stipulated Conditions Of Environmental Clearance**  
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	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>Ref No: CU/Tech/NCTL/2021/11/05/001                      To: NARMADA CLEAN TECH LIMITED,                      Sarti Bhagar,                      Umar Wada Road,                      Ashleshwar-393-001</p> <p><b>Subject:</b> Discontinue discharge of effluent from Cheminova India Ltd, Technical Division, plot No. 241, 242/2 &amp; 243/P, Pansol.                      Membership Certificate No. P/M/E/D/C-12</p> <p>Respected Sir,</p> <p>We have received Environment Clearance. Based on Environment Clearance we have to apply to Gujarat Pollution Control Board for ECA amendment. One of the EC condition is implementing Zero Liquid Discharge from unit. With reference to this, We request your good office to process for disconnection of effluent line at earliest. We have already stopped discharge through pipelines. We have also intimated Pansol Notified Area Office for disconnection.                      Kindly let us know in case of any other formality.                      Attached is membership certificate for your reference.</p> <p>Thanking you,</p> <p>Yours faithfully,                      For CHEMINOVA INDIA LTD. (Technical Division)</p> <p><i>Akhil Acharya</i>                      (Factory Manager)                      Technical Division</p> <p>Encl: - Membership Certificate No. P/M/E/D/C-12</p> </div> <div style="width: 45%;"> <p>Cheminova India Limited                      Technical Division                      3rd 342/3 &amp; 341/3                      GIDC Estate, Pansol - 394 110                      Dist. Bhavnagar (Gujarat)                      India                      cheminova.pansol@fmc.com                      Phone: 02246 - 81860010, 8186701                      Mo. : +91 97052 02887                      INCL006 / P/M/E/D                      CIN NO. U24103MH1999PLC039427</p> <p>Date: November 5, 2021                      PCB ID: 15015</p> </div> </div>	<div style="text-align: center;">  <p><b>NARMADA CLEAN TECH</b>                      (A subsidiary of GIDC)</p> </div> <p style="text-align: right;">Contact Person:                      Mr. _____                      Email ID: _____</p> <p style="text-align: center;"><b>Magnetic Flow meter Reading Report for the Month of NOVEMBER-2021 (Final Discharge)</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">FD, <b>CHEMINOVA INDIA LTD. 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Gujarat Gas Office, Umarwada Road, Ashleshwar - 393 001, Dist. Bhavnagar (Gujarat)                      Tel : 84887 45285, 97287 45635, E-mail : info@nct.co.in, Website : www.nct.co.in • CIN : 040101G120000PL037238</p>	FD, <b>CHEMINOVA INDIA LTD. (TEC.)</b> (Plot No-241), GIDC Estate, Pansol-394116.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Meter Make</td><td></td></tr> <tr><td>Meter/Seal No</td><td></td></tr> <tr><td>Meter Size</td><td></td></tr> <tr><td>CCA Qty(KLD)</td><td></td></tr> <tr><td>Pump Serial No.</td><td></td></tr> <tr><td>DATE</td><td>03/11/21</td></tr> </table>	Meter Make		Meter/Seal No		Meter Size		CCA Qty(KLD)		Pump Serial No.		DATE	03/11/21	Date	Opening Reading at 10.00 a.m	DOR KL/Day	CO's Repn. Sign	NCT Repn. 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<b>Compliance Report For Stipulated Conditions Of Environmental Clearance</b> EC Order No. IA-J-11011/85/2018-IA-II(I) Date: 25 <sup>th</sup> November 2019		
Sr. No.	Conditions	Compliance Status
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.	As per granted EC Copy under category A of item 5(b) 'Pesticides industry and Pesticide specific intermediates' of the Schedule to the Environment Impact Assessment Notification, 2006.
8.	Standard terms of reference (ToR) for the project was granted on 8 <sup>th</sup> April, 2018. Public hearing is exempted in accordance with the Ministry's OM dated 27 <sup>th</sup> April 2018, as the project site is located in the notified industrial area.	Public hearing is exempted in accordance with the Ministry's OM dated 27 <sup>th</sup> April 2018, as the project site is located at Plot No. 241, 242/2, 241/P Notified GIDC Industrial Estate, Panoli- 394 116, Dist. Bharuch, State-Gujarat, India.
9.	The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 26-28 June, 2019 and 28-29 August, 2019 in the Ministry, wherein the project proponent and their accredited consultant M/s. Siddhi Green Excellence Pvt. Ltd presented the EIA/EMP report. The Committee found the EIA/EMP complying with the terms and conditions of the ToR, and recommended the proposal for environmental clearance to the project with certain conditions.	Noted. Unit shall adhere and complies all the given conditions.
10.	The proposal was further examined in the Ministry in accordance with the Ministry's Office Memorandum No. 22-23/2018-IA.III (pt) dated 31 <sup>st</sup> October 2019 and Ministry's communication No. Q-16017/38/2018-CPA dated 24 <sup>th</sup> 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 <b>Expansion of agrochemicals and their intermediates from 3533 TPA to 15583 TPA by M/s. Cheminova India Limited (Technical Division) at Plot Nos. 241, 242/2, 241/P, GIDC Industrial Estate, Panoli, Ankleshwar, District Bharuch (Gujarat)</b> , 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 24 <sup>th</sup> October, 2019 and forwarded by Central Pollution Control Board vide letter dated 25 <sup>th</sup> 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. 15867 on dated 4 <sup>th</sup> June 2020.
	(ii) Necessary permission as mandated under the Water (Prevention and control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act 1981, as applicable from time to time , shall be obtained from the State Pollution Control Board.	Unit is obtained all necessary permission as under Water (Prevention and control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act 1981 from the State

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		Pollution Control Board.
(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 shall obtain all necessary permission under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) rules, 2016, Solid Waste Management Rules, 2016 in CCA Amendment application.
(iv)	As proposed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land.	Unit has applied for CC&A Amendment, Inward No. 206614 on dated 11 <sup>th</sup> November 2021. And following the given condition.
(v)	National Emission Standards for Pesticides Manufacturing Industry issued by the Ministry vide G.S.R.446(E) dated 13 <sup>th</sup> June, 2011, as amended from time to time, shall be followed.	Noted.
(vi)	No pesticides/chemicals banned by the Ministry of agriculture and Farmers welfare, or having LD <sub>50</sub> <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 banned pesticides/chemicals by the Ministry of agriculture and Farmers welfare, or having LD <sub>50</sub> <100 mg/kg shall be produced and no prohibited raw material/solvent shall be used for production.
(vii)	To control source and the fugitive emissions, 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.	Unit has applied for CC&A Amendment, Inward No. 206614 on dated 11 <sup>th</sup> November 2021. And following the given condition.
(viii)	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.	All requirements of effective Solvent management Plan shall be implemented as and when company will start operation phase.
(ix)	Total fresh water requirement shall not exceed 261 cum/day to be met from GIDC water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.	Unit shall follow the given condition only after obtaining CTO amendment from GPCB.
(x)	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 already available at site.

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(xi)	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.	Unit is provided Flame arresters on tank farm and solvent transfer through pumps. Photographs attached as below:	
(xii)	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.	Details are attached as below:	
		Hazardous Waste Name	Disposal Quantity
		Disposal mode	
		Process organic residue & spent carbon	543.825
		ETP sludge	15.2
		Process inorganic & evaporation salt	154.275
			Co-Processing
			TSDf site
			TSDf site
(xiii)	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 shall store 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 maximum safety measures to be taken for transportation of Hazardous chemicals and guidelines of the Motor Vehicle Act, 1989 shall be followed.	
(xiv)	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 vapour recovery system. f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.	Unit shall follow the given condition.	
(xv)	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 13450 sq. m. (~33.23%) of total plot area within plan premises. An Additional 7500 sq.m (18 %) area provided outside premises in GIDC which is in progress and total green belt area will be 51%.	
(xvi)	As committed, fund allocation for the Corporate Environment Responsibility (CER) shall be 5% of the total	Unit shall follow the given condition.	

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	project cost. Item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.		Total 63 lakh have been spent under Corporate Environment Responsibility (CER) for both Technical Division and Intermediate Division. Break up of expenses are as under : 1. Green Belt Development = 8 Lakh 2. Rainwater Harvest = 15 Lakh 3. C Arm equipment donation to Jayaben Modi Hospital = 23 Lakh 4. Oxygen Plant donation to Sardar patel Hospital= 17 Lakh Total expenses are 63 lakh.
	(xvii) 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 as below:
Sr. No	Training Subject	Trainee Roles	Department
1.	Hot Work	General Awareness	Security Person/Contract Supervisor/ Trainees
		(1) Fire Watch	
2.	Confined Space Entry	General Awareness	All Department
		(1) Rescue Team	Employees selected by Production and Mechanical Dept
3.	Energy Isolation, Lockout/Tagout (LOTO)	General Awareness	Finance / Administration / Civil
		(1) Other Person	Distribution / Stores / Excise
			HR / IT /Procurement / Tech Services
			Safety
		(1) Authorized Person	Mechanical Department
			Instrument Department
			Electrical Department
		(2) Affected Person	Production
			Environment
			Utility
	Quality Control (QC)		
	Research & Development (R&D)		
	Formulation -R&D		

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			Boiler
4.	Elevated Work	Detailed Training (1) Competent Person	
5.	Line Breaking and Equipment Opening	Detailed Training (1) Equipment Owner	Production Department
		(2) Work Performing Group	Engineering Department
6.	HAM	Detailed	All Department and Contractor
7.	Security Standard	Detailed	All Department
8.	Hose Management Standard	Detailed Training	Production / Engineering
			Contractor
9.	Decommissioning	Detailed Training	Production, Engineering, Material, EHS, QC, HR Staff
10.	Lab Standard		
	FMC Laboratory Minimum Safety Standards: MSDS	Detailed Training	QC and R&D Department
	Laboratory Minimum Safety Standards: Glassware Handling	Detailed Training	QC and R&D Department
	FMC Laboratory Minimum Safety Standards: Chemical Storage	Detailed Training	QC and R&D Department
	FMC Laboratory Minimum Safety Standards: Fume Hoods	Detailed Training	QC and R&D Department
11.	Glove Use Standard	Detailed Training	All Department /visitors /contractors
12.	PPE	Detailed Training	All Department /visitors /contractors
13.	MOC	Detailed Training	All Department
14.	Incident Management standard,	Detailed Training	All Department
	Effective Injury and Illness Case		
	Management Guideline		
15.	Process Safety Module	Detailed Training	Manufacturing / Engineering /

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	16.	No-1 and No-2	Technical Services
	(xviii)	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.	Unit is regular monitoring of flue gas analysis is done by Siddhi Green Excellence Pvt Ltd., Ankleshwar.
	(xix)	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.	The possible arrangement had been made for protection of possible fire hazard during mfg. process and material handling, The Fire hydrant system and fire extinguisher is made available throughout the premises and safe practices are adopted for handling and processing of flammable material
	(xx)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Presently, Pre-employment medical checkup of all employees and contract workers is carried out by FMO and records are maintained. Full medical checkup of all employees as well as contract workers is carried out Six-monthly and records are maintained. BCA testing for all employees & workers exposed to production & packaging of pesticides carried by LOVIBOND kit for all before joining and periodic testing-monthly test for contract workers and every 3 months for company employees. Health register in Form No.32 & certificate of fitness is issued to workers by FMO in Form No.33. Photograph of medical checkup report is attached below:



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	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.	Excellence Pvt. Ltd., Ankleshwar.
	(xxii) Mitigation measures suggested during process safety and risk assessment studies shall be undertaken accordingly.	Unit shall carry out detailed process safety and risk assessment study in the operational phase and mitigation measures of the same shall be implemented properly.
11.1.	The grant of environmental clearance is subject 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.	Further expansion or modifications shall be done only after obtaining prior approval of the Ministry of Environment, Forest and Climate Change.
	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 decided in consultation with the State Pollution 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.	Unit carries out Ambient Air quality monitoring. Analysis results of the same is attached for reference:
	IV. The National Ambient Air Quality Emission Standards issued by the ministry vide G.S.R.No.826 (E) Dated 16 <sup>th</sup> November, 2009 shall be followed.	Unit shall follow The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) Dated 16 <sup>th</sup> 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.

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Sr. No.	Conditions	Compliance Status																																																																																	
	 <p><b>Siddhi Green Excellence PRIVATE LIMITED</b></p> <p>TEST REPORT OF AMBIENT NOISE MEASUREMENT</p> <p>REPORT NO.: SC/CILTD/NL/NOV/2021/01 <span style="float: right;">Date of Issue -19-11-2021</span></p> <p>Issued to: <b>M/s. CHEMINOVA INDIA LTD.(TECHNICAL DIV.)</b></p> <p>Address: <b>PLOT NO.241, GIDC ESTATE,PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116</b></p> <p>Site (where measured): same as above <span style="float: right;">Sample ID: 20578</span></p> <p>Date of Monitoring: 13-11-2021 <span style="float: right;">Measured By: Mr.Ronil</span></p> <p>Instrument used: HTC make Noise Level Meter (Model No. SL-1352) <span style="float: right;">Instrument ID: SC-NM-3</span></p> <p>Frequency Weighing: A <span style="float: right;">Time Weighing: FAST</span></p> <p>Procedure: As per Work Instruction of Instrument and as per IS-9989:1981, windcover used during measurement.</p> <p>Environmental Conditions: <span style="float: right;">Season: Winter</span></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">DAYTIME READINGS (6 AM TO 10 PM)</th> <th colspan="3">NIGHT TIME READINGS (10 PM TO 6 AM)</th> </tr> <tr> <th>Time and Duration of Monitoring</th> <td colspan="2">10:50 to 12:00 h</td> <th>Time and Duration of Monitoring</th> <td colspan="2">22:00 to 23:00 h</td> </tr> <tr> <th>Average Ambient Temperature, °C</th> <td>Average Wind speed, m/s</td> <td>Predominant Wind direction</td> <th>Average Ambient Temperature, °C</th> <td>Average Wind speed, m/s</td> <td>Predominant Wind direction</td> </tr> </thead> <tbody> <tr> <td>29</td> <td>2.5</td> <td>NE-SW</td> <td>25</td> <td>2.4</td> <td>NE-SW</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">SR.NO.</th> <th rowspan="2">LOCATION</th> <th rowspan="2">READING NO.</th> <th colspan="2">NOISE LEVEL dB(A)</th> </tr> <tr> <th>DAY TIME</th> <th>NIGHT TIME</th> </tr> </thead> <tbody> <tr><td>1</td><td>Near Main Gate</td><td>NL-01</td><td>60</td><td>NL-11 55</td></tr> <tr><td>2</td><td>Near ETP Area</td><td>NL-02</td><td>71</td><td>NL-12 66</td></tr> <tr><td>3</td><td>Near CPP</td><td>NL-03</td><td>70</td><td>NL-13 65</td></tr> <tr><td>4</td><td>Near Boiler</td><td>NL-04</td><td>72</td><td>NL-14 67</td></tr> <tr><td>5</td><td>Near Utility</td><td>NL-05</td><td>71</td><td>NL-15 68</td></tr> <tr><td>6</td><td>Near Azoxy Plant</td><td>NL-06</td><td>70</td><td>NL-16 65</td></tr> <tr><td>7</td><td>Near ACP Plant</td><td>NL-07</td><td>61</td><td>NL-17 60</td></tr> <tr><td>8</td><td>Near Fire Pump House</td><td>NL-08</td><td>64</td><td>NL-18 61</td></tr> <tr><td>9</td><td>Near DG sets</td><td>NL-09</td><td>63</td><td>NL-19 60</td></tr> <tr><td>10</td><td>Near Work Shop</td><td>NL-10</td><td>63</td><td>NL-20 61</td></tr> </tbody> </table> <p>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 <span style="float: right;">for Night Time In dB(A) Leq (10 PM TO 06 AM) :- 70</span></p> <p>Additions to, deviations, or exclusions from the method :-None</p> <p>Results from external providers, if any :-None</p> <p>Any other remarks :- None</p> <p>Abbreviations used :- None</p> <p>Verified by:  <span style="float: right;">Authorized Signatory: </span></p> <p>Mrs. Fatema M. Jadhav(Technical Manager) <span style="float: right;">Mrs. Kuntal P. Shah (Quality Manager) / Mr. Purvesh M. Shah (CEO &amp; MD)</span></p> <p>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. 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.  6. 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.</p> <p style="text-align: center;">*** End of Report ***</p> <p style="text-align: center;">Page 1 of 1</p> <p style="text-align: center;">Format No. : SCLAB/F/Report-06 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 04 Revision Date : 25-01-2021</p> <p style="text-align: center;">www.siddhigreen.com</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><b>GUJARAT'S 1<sup>ST</sup> PLATINUM CERTIFIED NEW GREEN INTERIORS BY IGIBC</b></p> </div> <div style="width: 30%;"> <p>Regd. Office :                  *Kamal Arcade - The Vertical Sunbuck* Comm. Plot No. C-3/3,                  GIDC Station Road, Ankleshwar - 393 002, Dist. Bharuch,                  Gujarat State, (India). Tele. : 02646 - 224805.</p> </div> <div style="width: 30%;"> <p>Dahej Off. :                  *SANSKAR AVENUE'S* Shop No. GF 37, P. O. Jolva,                  Ta. Vagra, Dist. Bharuch. Tele. : 02641 - 254041                  E-mail : siddhi.ank@gmail.com</p> </div> </div>	DAYTIME READINGS (6 AM TO 10 PM)			NIGHT TIME READINGS (10 PM TO 6 AM)			Time and Duration of Monitoring	10:50 to 12:00 h		Time and Duration of Monitoring	22:00 to 23:00 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	29	2.5	NE-SW	25	2.4	NE-SW	SR.NO.	LOCATION	READING NO.	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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.	<p>Photographs of Rain water harvesting arrangements are as below:</p> 
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. And same shall be continued after the proposed expansion.
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.	Noted. Unit shall adhere and complies all the given conditions
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 shall undertake Corporate social activities for the betterment of surrounding villages.
X.	The company undertakes eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Unit shall 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	Unit commits that funds earmarked for environment management

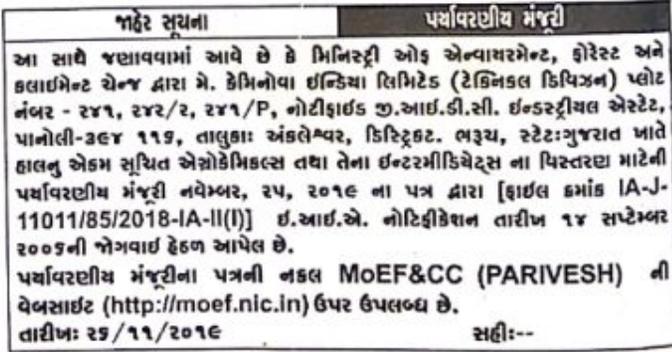
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	the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the state Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	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 report shall be posted on the website of the company.	Unit regularly submits six month report 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 report is posted on the website of the company.
XIV.	The environmental statement for each financial year ending 31 <sup>st</sup> 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. Copy of Form-V is attached as Annexure-5.
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 <a href="http://moef.nic.in">http://moef.nic.in</a> . This shall be advertised within seven days from the date 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:

## Six Monthly EC Compliance Report

### Compliance Report For Stipulated Conditions Of Environmental Clearance

EC Order No. IA-J-11011/85/2018-IA-II(I) Date: 25<sup>th</sup> November 2019

Sr. No.	Conditions	Compliance Status
		
	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.	Unit will submit the relevant details time to time to the conce authority.
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.	Unit shall comply with the additional conditions if stipulated b ministry.
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.	Unit will not conceal factual data and false data shall not be submitted. Unit does not support such type of mal practice.
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.	Unit will keep this stipulated condition in mind.
15.	The above conditions will be enforced, <i>inter alia</i> 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.	Unit is complying all the conditions stipulated in EC regarding the construction phase and shall also comply conditions regarding operational phase after obtaining CTO board.
16.	This issue with approval of the competent authority.	Unit ensures to comply with all the stipulated conditions approved by the competent authority in EC letter.

## Six Monthly EC Compliance Report

### Annexure 2 -Compliance report of CC&A/CTO & its Amendment

Sr. No.	Consent Condition Requirement	Compliance Status																																											
1	<b>Consent order No.:</b> AWH-87335 <b>Date of Issue:</b> 25/07/2017, CCA amendment dated AWH-104796 <b>Date of Issue:</b> 10/12/2019 and valid up to 16/04/2022.																																												
2	<p>The consent under Water Act-1974 for conveying the industrial effluent to the CETP of Ms/. NCTL for the treatment and disposal of treated effluent, the consent under Air Act-1981 &amp; Authorization under Environmental (Protection) Act, 1986 shall be valid up to 16/04/2022 to operate industrial plant to manufacture following products:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 5%;">SN</th> <th rowspan="2" style="width: 30%;">Name of Product</th> <th colspan="3" style="width: 30%;">Quantity (MT/Annum)</th> <th rowspan="2" style="width: 10%;">Remarks</th> </tr> <tr> <th style="width: 10%;">Existing</th> <th style="width: 10%;">Proposed</th> <th style="width: 10%;">Total (After Change in Product Mix)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>ORGANO PHOSPHATE: -ACEPHATE TECH. (I), DICHLORVOS (I), CHLORPYRIFOS (I), QUINALPHOS (I), TRIAZOPHOS (I), PHOSALONE (I), OMETHOATE (I), PROTHIOFOS (I), TEMEFOS (I), PROFENOFOS (I), ETHION (I), ETHWEPHON (PGR), GLYPHOSATE (H), etc.</td> <td>Either individual or total production of this group shall not exceed 800 MT/Annum</td> <td style="text-align: center;">(-) 800</td> <td style="text-align: center;">--</td> <td style="text-align: center;">To be discontinued</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>STROBILURIN: - AZOXYSTROBIN TECH. (F), DES-METHOXYAZOXY (DMA) (INT.) KRESOXIM METHYL (F), FLOUXASTROBIN (F), PYRACLOSTROBIN (F) etc.</td> <td>Either individual or total production of this group shall not exceed 1200 MT/Annum</td> <td style="text-align: center;">(-) 1200</td> <td style="text-align: center;">--</td> <td style="text-align: center;">To be discontinued</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>NEONICOTINOID/AMIDE: - IMI DACLOPRID TECH (I), THIACTOPRID (I), ACETAMIPRID (I), BEFLUBUTAMIDE TECH (H), FLUBENDAMIDE (I), CHLORANTRANILIPROLE (I), RYNEXAPYR (I), CYMOXANIL (F), THIFLUZAMIDE (F), CARBOXIN (F), CAPTAN (F), PRETILACHLOR (H), PROPYZAMIDE (H), PETHOXAMIDE (H), SNA(INT.)-(2-AMINOSULFONYL-N,N-</td> <td>Either individual or total production of this group shall not exceed 225 MT/Annum</td> <td style="text-align: center;">--</td> <td>Either individual or total production of this group shall not exceed 225 MT/Annum</td> <td style="text-align: center;">No change</td> </tr> </tbody> </table>	SN	Name of Product	Quantity (MT/Annum)			Remarks	Existing	Proposed	Total (After Change in Product Mix)	1.	ORGANO PHOSPHATE: -ACEPHATE TECH. (I), DICHLORVOS (I), CHLORPYRIFOS (I), QUINALPHOS (I), TRIAZOPHOS (I), PHOSALONE (I), OMETHOATE (I), PROTHIOFOS (I), TEMEFOS (I), PROFENOFOS (I), ETHION (I), ETHWEPHON (PGR), GLYPHOSATE (H), etc.	Either individual or total production of this group shall not exceed 800 MT/Annum	(-) 800	--	To be discontinued	2.	STROBILURIN: - AZOXYSTROBIN TECH. (F), DES-METHOXYAZOXY (DMA) (INT.) KRESOXIM METHYL (F), FLOUXASTROBIN (F), PYRACLOSTROBIN (F) etc.	Either individual or total production of this group shall not exceed 1200 MT/Annum	(-) 1200	--	To be discontinued	3.	NEONICOTINOID/AMIDE: - IMI DACLOPRID TECH (I), THIACTOPRID (I), ACETAMIPRID (I), BEFLUBUTAMIDE TECH (H), FLUBENDAMIDE (I), CHLORANTRANILIPROLE (I), RYNEXAPYR (I), CYMOXANIL (F), THIFLUZAMIDE (F), CARBOXIN (F), CAPTAN (F), PRETILACHLOR (H), PROPYZAMIDE (H), PETHOXAMIDE (H), SNA(INT.)-(2-AMINOSULFONYL-N,N-	Either individual or total production of this group shall not exceed 225 MT/Annum	--	Either individual or total production of this group shall not exceed 225 MT/Annum	No change	<p>Unit is complying with the given condition. Monthly production details are as mentioned below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Production Details</th> </tr> <tr> <th style="width: 50%;">Month</th> <th style="width: 50%;">Quantity (MTM)</th> </tr> </thead> <tbody> <tr> <td>June 2021</td> <td style="text-align: center;">82.653</td> </tr> <tr> <td>July 2021</td> <td style="text-align: center;">91.05</td> </tr> <tr> <td>August 2021</td> <td style="text-align: center;">89.319</td> </tr> <tr> <td>September 2021</td> <td style="text-align: center;">69.079</td> </tr> <tr> <td>October 2021</td> <td style="text-align: center;">81.231</td> </tr> <tr> <td>November 2021</td> <td style="text-align: center;">108.063</td> </tr> </tbody> </table>	Production Details		Month	Quantity (MTM)	June 2021	82.653	July 2021	91.05	August 2021	89.319	September 2021	69.079	October 2021	81.231	November 2021	108.063
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## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement					Compliance Status
	DIMETHYLNICOTINAMIDE), MST(INT.)-(2-METHOXYCARBONYL)THIOPHENE-3-SULFONAMIDE), FLUFENACET (H), BOSCALID (F) etc.					
4.	KETONE: -DIMETHOMORPH TECH. (F), CLETHODIM (H), BUTROXYDIM (H), SPIROMESIFEN (I), MESOTRIONE (H), SULCOTRIONE (H), IBP (INT.)-(ISOBUTYROPHENONE), PYMETROZINE (I) etc.	Either individual or total production of this group shall not exceed 60 MT/Annum	--	Either individual or total production of this group shall not exceed 60 MT/Annum	No change	
5.	ETHER: - PROPARGITE TECH. (I), OXYFLUORFEN (H), ETOXAZOLE (I), EEA (INT.)-(2-ETHOXY ETHYL AMINE), S-CYNO-MPB (INT.) etc.	Either individual or total production of this group shall not exceed 60 MT/Annum	--	Either individual or total production of this group shall not exceed 60 MT/Annum	No change	
6.	ANILINE: - PENDIMETHALIN TECH. (H), METALAXYL (F), FAMOXADONE (F), TRIFLURALIN (H), FIPA-OH (INT.) etc.	Either individual or total production of this group shall not exceed 60 MT/Annum	(-60)	--	To be discontinued	
7.	ESTER/PYRETHROID: - FENOXAPROP-P-ETHYL TECH. (H), BIFENAZATE (I), QUIZALOFOP-P-ET (H), CLODINAFOP-PPG (H), ACRINATHRIN (I), BIFENTHRIN (I), CYHALOTHRIN (I), GAMMA-CYHALOTHRIN (I), LAMDA-CYHALOTHRIN (I), CYPERMETHRIN (I), AND ITS ANALOGS, DELTA-METHRIN (I), --CYFLUTHRIN (I) AND ITS ANALOGS, PERMETHRIN (I), BIOALLETHRIN (I), FENVALERATE (I), IMIPROTHRIN (I) etc.	Either individual or total production of this group shall not exceed 150 MT/Annum	--	Either individual or total production of this group shall not exceed 150 MT/Annum	No change	

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement					Compliance Status
8.	CARBAMATE & THIO BASED PRODUCTS: - CARTAP.HCL TECH. (I), THIODICARB (I), THIOPHANATE-ME (F), PROPINEB (F), METIRAM (F), THIRAM (F), ISOPROTHIOLANE TECH (I), THIOCYCLAM (I), PROTHIOCARB (F), FLUTIANIL (F) etc.	Either individual or total production of this group shall not exceed 100 MT/Annum	--	Either individual or total production of this group shall not exceed 100 MT/Annum	No change	
9.	QUATERNARY SALT AND OTHER SALTS, ACID BASED PRODUCTS: - MEPIQUAT CHLORIDE TECH. (I), CHLORMEQUAT CHLORIDE (I), OTHER SALTS: COPPER HYDROXIDE (BACTERICIDE,F), COPPER SULPHATE (ALGICIDE,F), etc., FLUPROPANATE-NA TECH (H) + HPAA (INT.)-(2-HYDROXYPHENYLACETIC ACID), BBA (INT.)-(BROMOBUTYRICACID), HPPA-INT.(2-(4-HYDROXYPHENOXY)PROPANATE), PICLORAM (H), DICAMBA (H), 2-CYANOPHENOL (INT.) etc.	Either individual or total production of this group shall not exceed 68 MT/Annum	--	Either individual or total production of this group shall not exceed 68 MT/Annum	No change	
10.	TRIAZOLS: - 2,6 DICHLOROBENZOXAZOLE (INT.), ISOXAFLUTOLE (H), FLURASULAM (H), TDA (INT.) (TRIFLUOROMETHYLTHIADIAZOLE), FLUTRIAFOL TECH (F), PROTHICONAZOLE (F), SULFENTRAZONE (H), CARFENTRAZONE-ET (H) etc.	Either individual or total production of this group Sr. No. 11 & 12 shall not exceed 400 MT/Annum	--	Either individual or total production of this group Sr. No. 11 & 12 shall not exceed 400 MT/Annum	No change	
11.	TRIAZOLS: - FIPRONIL TECH (I), PROPICONAZOLE (F), EPOXYCONAZOLE (F), TEBUCONAZOLE (F), DIFENOCONAZOLE (F), HEXACONAZOLE (F), TRICYCLAZOLE (F), MYCLOBUTANIL (F), FLUSILAZOLE (F), PACLOBUTRAZOLE (PGR), THIAMETHOXAM (I), CHLOROTHALONIL (F), TRIADIMEFON (F),	Either individual or total production of this group Sr. No. 11 & 12 shall not exceed 400 MT/Annum	--	Either individual or total production of this group Sr. No. 11 & 12 shall not exceed 400 MT/Annum	No change	

### Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement					Compliance Status
	ISOXADIFEN-ET (SF)					
12.	HETROCYCLIC (PYRIMIDINE/PYRIDINE/TRIAZINE): - BISPYRIBAC-NA TECH. (H), PIRIMICARB (I), PYRITHIOBAC-NA (H), FLUMETSULAM (H), CYPRODINIL (F), FLORASULAM (H), PENOXSULAM (H), DCP (INT.)-(4,6-DICHLOROPYRIMIDINE), ACMP (INT.)-(2-AMINO-4-CHLORO-6-METHOXPYRIMIDINE), IMAZETHAPYR TECH. (H), PYRIDALYL TECH (I), DIFLUFENICAN (H), CLOQUINTOCET-MEXYL(SF)	Either individual or total production of this group Sr. No. 13 & 14 shall not exceed 185 MT/Annum	--	Either individual or total production of this group Sr. No. 13 & 14 shall not exceed 185 MT/Annum	No change	
13.	HETROCYCLIC (PYRIMIDINE/PYRIDINE/TRIAZINE): - FLUAZINAM (F), FENPYROXIMATE TECH. (I), METRIBUZIN (H), AMITRAZ (I), CLOFENTEZINE (I), MMMT (INT.)-(2-METHOXY-4-METHYL-6-METHYLAMINO-1,3,5-TRIAZINE, METOXYFENOZIDE (I), FENCHLORIM (SF), 2-HYDROXY-3,5,6-TRYCHLOROPYRIDINE & ITS SODIUM SALT (INT. OF CHLORPYRIPHOS) etc.				Either individual or total production of this group Sr. No. 13 & 14 shall not exceed 185 MT/Annum	
14.	UREA/SULPHONYL UREA: - CHLORIMURON-ET TECH. (H), BUPROFEZIN TECH. (I), INDOXACARB (I), NOVALURON (I), LUFENURON (I), DIAFENTHIURON (I), AMICARBAZONE (H), FLUCARBAZONE (H), THIADIAZURON (PGR), HEXYTHIAZOX (I), LINURON (H), DIURON (H), TEFLUTHRIN (I), METSULFURON-METHYL (H)	Either individual or total production of this group Sr. No. 15 & 16 shall not exceed 225 MT/Annum	(-225)	Either individual or total production of this group Sr. No. 15 & 16 shall not exceed 225 MT/Annum	To be discontinued	
15.	UREA/SULPHONYL UREA: - THIFENSULFURON-METHYL (H), TRIBURON-					

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement					Compliance Status
	METHYL (H), RIMSULFURON (H), IODOSULFURON (H), DIAMURON (H), CHLORSULFURON (H), PYRAZOLESULFURON (H), PYRAZOLESULFURON-ETHYL (H) etc.					
16.	Ryanxypyr	--	935	935	New Product	
17.	Isoxazolidinone sodium solution	--			New Product	
18.	4S Zeta Cypermethrin	--			New Product	
19.	F-2700 Zeta Cypermethrin	--			New Product	
20.	NATURAL GAS BASED CAPTIVE POWER PLANT	2.04		2.04 Mega Watt Hour	No change	
	Total	3533	(-)/550	2983	--	
	<b>SPECIFIC CONDITIONS</b> Unit shall not manufacture any product which generated hazardous waste like ammonium sulphate / ammonium solution / sodium chloride / sodium sulphate / potassium chloride / potassium sulphate / acetic acid / sodium acetate etc. till unit make any MoU with end user who is having permission under rule 9 & authorization to receive this waste. Unit shall also submit MoU copies to Board.					Noted. Unit will ensure Rule-9 permission and MOU prior sending the mentioned waste.
a.	<b>Total production shall not exceed 2983 MT/Month in any case.</b>					Complied.
b.	<b>There shall be no change in mode of disposal of waste water.</b>					Complied.
c.	<b>There shall be no change in fuel consumption, flue gas emission and process gas emission.</b>					Complied.
d.	<b>There shall be no change in Hazardous waste quantity/category.</b>					Complied.
e.	<b>Unit shall sell out their hazardous waste to authorized end-users who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized end-users and submit MoU at time of application of CCA.</b>					The hazardous waste will be sold to authorized end-users having valid CCA and rule-9 permission. MOU will be prepared prior start of sell of hazardous waste.
f.	<b>All the efforts shall be made to send hazardous waste to cement industry for co-processing first &amp; there after it shall be disposed through other option.</b>					Complied.
g.	<b>Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.</b>					Spent solvent management guidelines are followed.
h.	<b>There shall not be increase in pollution load due to proposed change in product mix.</b>					Complied.
i.	<b>There shall not be any change in plant building, equipments &amp; machineries to manufacture the proposed new products after change in product mix.</b>					No changes in plant building, equipments & machineries done for manufacturing the proposed new products after change in product mix.

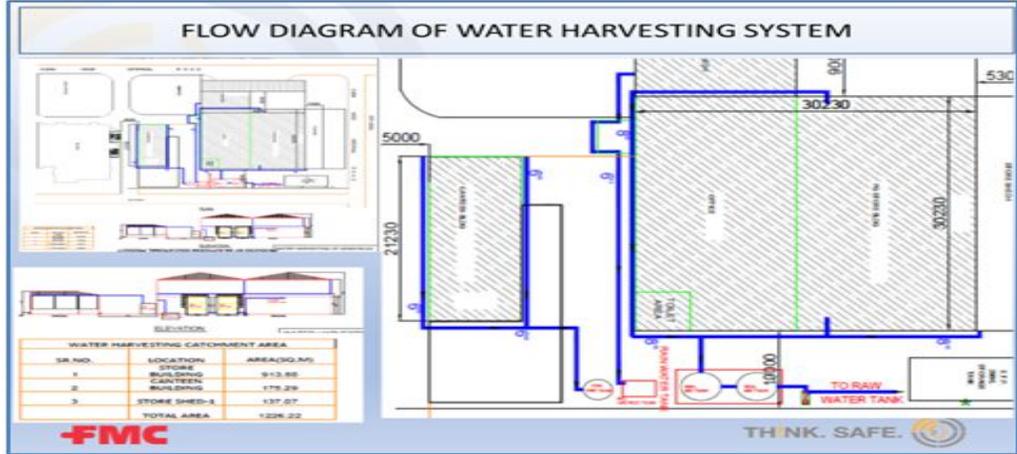
## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status															
j.	In the case of submission of the false or misleading data, this CTE amendment will be forfeited immediately.	Noted.															
k.	Unit shall manufacture cypermethrin based product i.e. 4S Zeta Cypermethrin & f-2700 Zeta Cypermethrin from Cypermethrin with max. Production of 150 MTPA.	Noted.															
l.	When Cypermethrine (150 MTPA) and new product Deravitaves of Cypermethrin at 18 and 19 (150 MTPA) to be manufactured product other than Cypermethrin at group 7 (total 150 MTPA) cannot be manufactured.	Noted.															
m.	CCA is granted with a condition to comply guideline to be issued by Ministry of Environment, Forest and climate Change in the matter of O.A.No. 1038/2018 and Hon.NGT order dated: 10/07/2019 and 23/08/2019.	Noted.															
[A]	<b>Additional Conditions Under Air Act::</b>																
a)	Unit shall adhere to stringent air pollutants standards i.e. 80% of existing flue gas and process emission standards in the CPA. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="3" style="text-align: center;">Flue gas Emission Standards</th> </tr> <tr> <th style="text-align: center;">Parameters</th> <th style="text-align: center;">Existing</th> <th style="text-align: center;">Revised norms (80% of Existing)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">PM</td> <td style="text-align: center;">150 mg/Nm<sup>3</sup></td> <td style="text-align: center;">120 mg/Nm<sup>3</sup></td> </tr> <tr> <td style="text-align: center;">SO<sub>2</sub></td> <td style="text-align: center;">100 PPM</td> <td style="text-align: center;">80 PPM</td> </tr> <tr> <td style="text-align: center;">NO<sub>x</sub></td> <td style="text-align: center;">50 PPM</td> <td style="text-align: center;">40 PPM</td> </tr> </tbody> </table>	Flue gas Emission Standards			Parameters	Existing	Revised norms (80% of Existing)	PM	150 mg/Nm <sup>3</sup>	120 mg/Nm <sup>3</sup>	SO <sub>2</sub>	100 PPM	80 PPM	NO <sub>x</sub>	50 PPM	40 PPM	Complied. Unit is following the given condition.
Flue gas Emission Standards																	
Parameters	Existing	Revised norms (80% of Existing)															
PM	150 mg/Nm <sup>3</sup>	120 mg/Nm <sup>3</sup>															
SO <sub>2</sub>	100 PPM	80 PPM															
NO <sub>x</sub>	50 PPM	40 PPM															
b)	Following air pollution control measures shall be provided for the flue gas emission sources like Boiler, Thermic Fluid Heaters etc. (As Applicable) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="2" style="text-align: center;">Stipulated APCM in Red category industrial units of CPA</th> </tr> <tr> <th style="text-align: center;">Steam generation capacity (in TPH)</th> <th style="text-align: center;">Type of APCM</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Less than 1</td> <td style="text-align: center;">Multi Cyclone</td> </tr> <tr> <td style="text-align: center;">1 to &lt;3</td> <td style="text-align: center;">Multi Cyclone + Water Scrubber</td> </tr> <tr> <td style="text-align: center;">3 to &lt;6</td> <td style="text-align: center;">Bag filter + Water Scrubber</td> </tr> <tr> <td style="text-align: center;">≥ 6</td> <td style="text-align: center;">ESP + Water Scrubber</td> </tr> </tbody> </table>	Stipulated APCM in Red category industrial units of CPA		Steam generation capacity (in TPH)	Type of APCM	Less than 1	Multi Cyclone	1 to <3	Multi Cyclone + Water Scrubber	3 to <6	Bag filter + Water Scrubber	≥ 6	ESP + Water Scrubber	Noted.			
Stipulated APCM in Red category industrial units of CPA																	
Steam generation capacity (in TPH)	Type of APCM																
Less than 1	Multi Cyclone																
1 to <3	Multi Cyclone + Water Scrubber																
3 to <6	Bag filter + Water Scrubber																
≥ 6	ESP + Water Scrubber																
c)	Unit shall provide at least two stage scrubbing system of appropriate media for the control of the process gas emission.	All the scrubbers are equipped with double stage scrubbing system with appropriate media.															
d)	Unit shall install and commission Continuous Emission Monitoring System- CEMS (as per CPCB guidelines for relevant parameters) which shall be connected with GPCB/ CPCB server (In case of large and medium red category industries)	Complied.															
e)	All common facilities shall install CEMS (as per CPCB guidelines for relevant parameters) which shall be connected with GPCB/ CPCB server to the Stacks provided with common Multiple Effect Evaporator (CMEE), Common Spray Dryer, Common incinerator etc.	Not Applicable.															
f)	The unit shall adhere to Sector specific guidelines/ SOP published by GPCB/ CPCB from time to time for effective fugitive emission control. (like guidelines for: Stone crushing units, Coal handling units, spent solvent handling and management, spent acid management, Decontamination of drums, containers etc.)	Noted. All the applicable SOP's published by GPCB/CPCB for effective fugitive emissions will be followed.															

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status
g)	Unit shall take adequate measure to control odour nuisance from the industrial activities which may include measures like -use of masking agent with atomizer system (water curtain), closed / automatic material handling system containment of the odour vulnerable areas etc.	Noted. Odor control measures are in place to control odor nuisance from specific activities.
h)	Unit shall not use Pet-coke, furnace oil, LSHS as a fuel.	Unit is using only natural gas and H.S.D.
i)	Unit shall adopt sectoral Best Available Technology-Bat (Like use of Induction Furnace, Electric Arc Furnace instead of Cupola furnace in foundry industry, Caustic Recovery system in Cotton Textile units etc.)	Not applicable.
j)	Unit shall provide green belt of 40% of the plot area, using concept of the social forestry and development of green belt out side project premises in adjacent areas.	The unit has developed 13450 sq. m. (~33.23%) of total plot area within plan premises. An Additional 7500 sq.m (18 %) area provided outside premises in GIDC which is in progress and total green belt area will be 51%.
k)	Unit shall provide wall to wall carpeting in vehicle movement areas within premises to avoid dusting.	Wall to wall carpeting in vehicle movement areas is made available to avoid dusting.
<b>[B]</b>	<b><u>Additional Conditions Under The Water Act::</u></b>	
a)	Unit shall only used treated effluent for preparation of lime and other slurry in ETP. No fresh water shall be utilized in ETP.	Treated effluent is used for preparation of lime solution in ETP.
b)	In the case, if the Industry is not a member of CETP and domestic waste water generation is more than 10 KLPD, industry shall install STP of adequate capacity and treated sewage shall be reused/ recycled to the maximum extent.	Not applicable as the Industry is a member of CETP.
c)	In case of Large and Medium Red Category industry, the unit shall install system for continuous monitoring of effluent quality/ quantity as per CPCB guidelines for relevant parameters (like pH, Flow, Temperature, TOC/COD, NH3-N etc.) and shall be connected to GPCB server. In case, if the industry is a member of CETP, unit shall install flow meter.	Continuous monitoring of effluent quality and quantity is done as per the CPCB guidelines for relevant parameters.
d)	If the water consumption of the unit is more than 50 KLPD, Unit shall submit detailed water harvesting plan (off site).	The rain water harvesting work based on Roof rain

## Six Monthly EC Compliance Report

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e)	 <p><b>FLOW DIAGRAM OF WATER HARVESTING SYSTEM</b></p> <p>WATER HARVESTING CATCHMENT AREA</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>LOCATION</th> <th>AREA(SQ.M)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>BUILDING ROOF</td> <td>913.88</td> </tr> <tr> <td>2</td> <td>PAVEMENT</td> <td>178.29</td> </tr> <tr> <td>3</td> <td>STONE DRIVE</td> <td>137.07</td> </tr> <tr> <td colspan="2">TOTAL AREA</td> <td>1229.22</td> </tr> </tbody> </table> <p>FMC THINK SAFE</p>	Sr. No.	LOCATION	AREA(SQ.M)	1	BUILDING ROOF	913.88	2	PAVEMENT	178.29	3	STONE DRIVE	137.07	TOTAL AREA		1229.22	water harvest program inside premises under pro and @ 1900 sq.m. roof of office building and Car building is selected for this project. Copy of the dia of water harvesting system is attached.
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TOTAL AREA		1229.22															
f)	The unit shall explore Techno-Economic feasibility of Zero Liquid Discharge (ZLD) and if feasible, ZLD should be adopted.	Noted.															
<b>[C]</b>	<b>Additional Conditions Under The Hazardous Wastes Management Rules:</b>																
a)	Unit shall strictly carry out handling, storage and disposal of fly-ash, slag, red-mud, de-inking sludge etc. (High Volume- Low Effect Wastes) as per prevailing guidelines and its disposal at designated locations approved by the Board.	Noted. Not applicable. In case of generation of such ty waste handling, storage and disposal will be dor per prevailing guidelines at designated locations.															
b)	Industry shall dispose its hazardous wastes through co-processing, pre-processing to the extent possible prior its disposal to incineration/ landfill as per provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.	Noted.															
c)	Industry shall strictly comply with all the measures specified in guidelines for spent solvent management, spent acid management, and other guidelines/ directions published from time to time by GPCB and/ or CPCB, etc.	Complied.															
d)	Unit shall carry out transportation of hazardous wastes through GPS mounted vehicles only.	All the transportation of hazardous wastes is through GPS mounted vehicles only.															
<b>[D]</b>	<b>Other General Conditions</b>																
a)	Unit shall submit report of compliance of the conditions of EC every year to the Board prepared by third party.	Complied.															
b)	Unit shall enhance CER fund allocation to at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	Noted.															
	<b>OTHER CONDITIONS</b>	Complied.															

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status																
	1. All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & there after it shall be disposed through other options. 2. Unit shall follow spent solvent management guideline framed by the Board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.																	
<b>3</b>	<b>CONDITION UNDER THE WATER ACT:</b>																	
	<b>SPECIFIC CONDITION</b> 1. Mother liquor 21.19 m <sup>3</sup> / day shall be incinerated to common incineration facility at BEIL or SEPPL or GSPL, Palsana and / or co-processing in cement industries.	Complied. Unit is following the given condition thoroughly.																
3.1	The condition No. 3.3 for water consumption under Water Act of the CCA order No. AWH-87335, issued vide letter no. GPCB/ANK/CCA-138(10)/ID-15015/419991, dated 10/08/2017 is amended shall now be read as under. a) Domestic : 50 KL/Day (Existing 50 KLD + Proposed Nil) b) Industrial : 260.20 KL/Day (Existing 265 KLD - Proposed 4.8 KLD) c) Total: 310.2 KL/Day (Existing 315 KLD - Proposed 4.8 KLD)	Complied. Water consumption is well within limits as per the condition. Water consumption details for period December 2020 to May 2021 is given below: <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Details of Water Consumption</th> </tr> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">KL/Month</th> </tr> </thead> <tbody> <tr><td>June 2021</td><td style="text-align: center;">2820</td></tr> <tr><td>July 2021</td><td style="text-align: center;">2840</td></tr> <tr><td>August 2021</td><td style="text-align: center;">3160</td></tr> <tr><td>September 2021</td><td style="text-align: center;">1571</td></tr> <tr><td>October 2021</td><td style="text-align: center;">2079</td></tr> <tr><td>November 2021</td><td style="text-align: center;">2795</td></tr> </tbody> </table>	Details of Water Consumption		Month	KL/Month	June 2021	2820	July 2021	2840	August 2021	3160	September 2021	1571	October 2021	2079	November 2021	2795
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3.2	The condition No. 3.1 & 3.2 for wastewater Generation under Water Act of the CCA order No. AWH-87335, issued vide letter no. GPCB/ANK/CCA-138(10)/ID-15015/419991, dated 10/08/2017 is amended shall now be read as under. a) Domestic : 33.2 KL/Day (Existing 33.2 KLD + Proposed Nil) b) Industrial : 71.2 KL/Day (Existing 85.91 KLD - Proposed 14.7 KLD) c) Total: 104.4 KL/Day (Existing 119.11 KLD - Proposed 14.7 KLD)	Complied. <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Details of Wastewater Generation (KL/Month)</th> </tr> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">(KL/Month)</th> </tr> </thead> <tbody> <tr><td>June 2021</td><td style="text-align: center;">887</td></tr> <tr><td>July 2021</td><td style="text-align: center;">1104</td></tr> <tr><td>August 2021</td><td style="text-align: center;">764</td></tr> <tr><td>September 2021</td><td style="text-align: center;">868</td></tr> <tr><td>October 2021</td><td style="text-align: center;">NIL</td></tr> <tr><td>November 2021</td><td style="text-align: center;">NIL</td></tr> </tbody> </table>	Details of Wastewater Generation (KL/Month)		Month	(KL/Month)	June 2021	887	July 2021	1104	August 2021	764	September 2021	868	October 2021	NIL	November 2021	NIL
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3.3	71.2 KLD treated effluent shall be discharged to NCTL by underground drainage line and 33.2 KLD domestic sewage shall be disposed off through septic tank/soak pit system as per previous CCA conditions	Complied. Treated effluent is discharged to NCTL by underground drainage line as per previous CCA conditions.																

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status																																													
		Up to 20 <sup>th</sup> September 2021 treated effluent was discharged into underground conveyance pipeline connected to FETP of M/s. Narmada Clean Tech (NCT). On 9 <sup>th</sup> November application was submitted to NCT to discontinue Effluent Disposal . On 10 <sup>th</sup> November 2021, NCT Representative disconnect the flow meter, and remove the Data Recorder and provide seal to Effluent Discharge line.																																													
3.3	<p>Sewage shall be disposed off through septic tank/soak pit system or shall be treated separately in Sewage Treatment Plant (STP) to conform the following standards and treated sewage shall be utilized on land for irrigation/ plantation.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr. no.</th> <th style="width: 60%;">Parameters</th> <th style="width: 30%;">Permissible limit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Biochemical Oxygen Demand, BOD<sub>3</sub>, 27°C</td> <td>Less than 20 mg/L</td> </tr> <tr> <td>2</td> <td>Total Suspended Solids</td> <td>Less than 30 mg/L</td> </tr> <tr> <td>3</td> <td>Total Residual Chlorine</td> <td>Minimum 0.5 ppm</td> </tr> </tbody> </table> <p>Sewage shall be treated in ETP along with Industrial effluent and discharged into GIDC underground drainage system and conveyed to FETP (NCTL).</p>	Sr. no.	Parameters	Permissible limit	1	Biochemical Oxygen Demand, BOD <sub>3</sub> , 27°C	Less than 20 mg/L	2	Total Suspended Solids	Less than 30 mg/L	3	Total Residual Chlorine	Minimum 0.5 ppm	Complied.																																	
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## Six Monthly EC Compliance Report

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15	Sulphates		1000 mg/l	
16	Cyanide (as CN)		0.2 mg/l	
17	Flouride (as F)		15mg/l	
18	Hexavalent Chromium (as Cr +6)		0.1 mg/l	
19	Total Chromium (as Cr)		2 mg/l	
20	Copper (as Cu)		3 mg/l	
21	Nickel (as Ni)		3 mg/l	
22	Zinc (as Zn)		15 mg/l	
23	Iron (as Fe)		3 mg/l	
24	Manganese (as Mn)		2 mg/l	
25	Mercury (as Hg)		0.01 mg/l	
26	Lead (as Pb)		0.1 mg/l	
27	Arsenic (as As)		0.2 mg/l	
28	Venedium (as V)		0.2 mg/l	
29	Cadmium (as Cd)		0.05 mg/l	
30	Selenium (as Se)		0.05 mg/l	
31	Bio-assay test		90 % survival of fish after 96 hrs in 100 % effluent	
32	Insecticides/Pesticides		Absent	

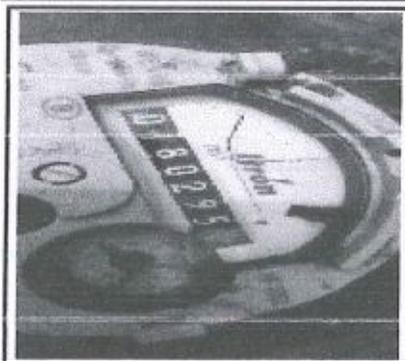
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Jadhavala (Technical Manager)      Mrs. Kuntal P. Shah (Quality Manager)      Mr. Purvush M. Shah (CEO &amp; MD)</p> <p style="margin: 0;">Notes: 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only. 2. Permissible 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. 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.</p> <p style="text-align: center; margin: 0;">*** End of Report ***</p> <p style="margin: 0;">Format No.: SC/LAB/F/Report-01 Issue No.: 02 Issue Date: 31-01-2019 Revision No.: 02 Revision Date: 30-06-2020      page 2 of 2</p> <p style="margin: 0;">www.siddhigreen.com</p> <p style="margin: 0;">GUJARAT'S PLATINUM CERTIFIED NEW GREEN INTERIORS BY IGBC      : Regd. Office :      : Dahaj Off. :</p> <p style="margin: 0;">"Kamal Arcade - The Vertical Sunclock" Comm. Plot No. C-3/3,      "SANSKAR AVENUE" Shop No. GF 37, P. O. Jolva,      GIDC Station Road, Ankleshwar - 393 002, Dist. Bharuch,      Ta. Vagra, Dist. 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Jadhavala (Technical Manager)      Mrs. Kuntal P. Shah (Quality Manager)      Mr. Purvush M. Shah (CEO &amp; MD)</p> <p style="margin: 0;">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.</p> <p style="text-align: center; margin: 0;">*** End of Report ***</p> <p style="margin: 0;">Format No.: SC/LAB/F/Report-01 Issue No.: 02 Issue Date: 31-01-2019 Revision No.: 02 Revision Date: 30-06-2020      page 1 of 2</p> <p style="margin: 0;">www.siddhigreen.com</p> <p style="margin: 0;">GUJARAT'S PLATINUM CERTIFIED NEW GREEN INTERIORS BY IGBC      : Regd. Office :      : Dahaj Off. :</p> <p style="margin: 0;">"Kamal Arcade - The Vertical Sunclock" Comm. Plot No. C-3/3,      "SANSKAR AVENUE" Shop No. GF 37, P. O. Jolva,      GIDC Station Road, Ankleshwar - 393 002, Dist. Bharuch,      Ta. Vagra, Dist. Bharuch, Tele : 02641 - 254041      E-mail : siddhi.ank@gmail.com</p>	Sample details	Sample 1	Total No. of sample received	2	Type of sample	Treated Effluent	Date of Sampling	13-11-2021	Sample ID	20578-WW-01	Date of Receipt	13-11-2021	Sample Qty. & Packing	2 L & Sealed, 20 L & Sealed**	Date of Analysis start	15-11-2021	Sampled by	Mr. Dilip	Date of Completion	19-11-2021	Sampling Location	ETP Outlet			Sampling Plan & Sampling Method Used : Lab document SC/LAB/01 (Issue No. : 01 Issue Date : 01-08-2018 Revision No:00)				SR.NO.	PARAMETERS	UNIT	TEST METHOD	PERMISSIBLE LIMITS(NOTE-2)	RESULTS Sample 1	1.	pH	-	IS 3025(Part11):1983,RA2017	6.5 - 8.5	8.16 @ 27.2 °C	2.	Temperature	°C	APHA 23 <sup>rd</sup> ed.2550 B	40	27	3.	Colour	pl/co	APHA 23 <sup>rd</sup> ed.2120B	100	50	4.	Total Suspended Solids	mg/L	APHA 23 <sup>rd</sup> ed. 2540 D	150	18	5.	Oil and Grease	mg/L	IS 3025(Part 39):1991,clause 5,RA 2019	10	BDL	6.	Fluorides	mg/L	APHA 23 <sup>rd</sup> ed.4500F D	15	0.8	7.	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## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status
3.5	The effluent conforming to the above standards shall be discharged into G.I.D.C. undersigned drainage system and conveyed to FETP (NCTL) which ultimately leads to deep sea for final disposal through pipeline.	Complied. Unit is following the given condition.
3.6	Unit shall be required to make storage facilities to store the effluent for at least 72 hours by providing acid proof brick lined impervious tanks / HDPE tanks	Storage capacity of more than 72 hours is available. The material of construction of storage tanks is based on the characteristic of the effluent (HDPE/FRP/Acid brick lining/RCC/metallic).
3.7	In case of shut – down of plant for more than three (3) days for any reason, the NCTL unit member shall intimate to NCTL authority & GPCB well in advance for the better operation & management of CETP.	Noted
3.8	Unit shall make fixed arrangement for discharge of the effluent from their Final collection tanks to the underground drainage network of NCTL. Unit shall not keep any by-pass line or system or loose or flexible pipe line for discharge of the effluent into underground drainage network of NCTL.	Complied
3.9	Magnetic flow meters shall be installed at the inlet & outlet of effluent collection tanks / ETP to measure the quantity of e ffluent discharged into the underground drainage network of NCTL.	Complied. Unit has installed magnetic flow meter as per the given condition. Photographs of the flow meter attached below:
		
3.10	Unit shall affix of water meters as per Section 4 (1) of the water (Prevention and Control of Pollution) Cess Act -1977 for the purpose of measuring and recording the quantity of water consumed at such places as may be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the unit until the contrary is proved.	Complied. Photographs attached below:

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status
		
3.11	Unit shall provide adequate / safe effluent sampling facility for the effluent being stored in final collection / discharge tank of ETP or being discharged into CETP.	Complied. Unit is following the given condition.
3.12	Unit shall put up at the entrance a board displaying the name of unit, particulars of the products / process, the name of proprietor / partners / directors of the unit, NCTL membership number & date of joining of NCTL, the electricity consumer number as on the record of DGVCL.	Unit is following the given condition. Photograph of the display board is attached below:

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status
		
3.13	Unit shall have to display on – line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.	Complied.
3.14	Unit shall either stop or curtail its production activities if the effluent is not a dequately treated by the FETP of NCTL to conform to the standards specified by GPCB.	Noted and agreed.
3.15	The authorized representative of NCTL shall have right of entry at any time for the purpose of inspection and monitoring the effluent collection facilities / ETP (if required) of Unit.	Noted and agreed.
3.16	Unit shall have to keep accurate records of quality & quantity of effluent discharged to FETP on day-to-day basis. Separate logbook shall be maintained for recording the data & shall be made available for inspection as & when asked.	Complied. Separate logbook is mainta Photograph of the same is attached below:

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status
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**NARMADA CLEAN TECH**  
(A subsidiary of GIDC)

Contact Person:  
Mo.:  
Email ID:

Magnetic Flow meter Reading Report for the Month of NOVEMBER-2021 (Final Discharge)

TO,  CHEMINOVA INDIA LTD. (TEC.) (Plot No-241), GIDC Estate, Panoli-394116.	P-1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Meter Make</td><td></td></tr> <tr><td>Meter/Seal No</td><td></td></tr> <tr><td>Meter Size</td><td></td></tr> <tr><td>CCA Qty(KLD)</td><td></td></tr> <tr><td>Pump Serial No.</td><td></td></tr> <tr><td>DATE</td><td style="text-align: center;">03/11/20</td></tr> </table>	Meter Make		Meter/Seal No		Meter Size		CCA Qty(KLD)		Pump Serial No.		DATE	03/11/20
Meter Make														
Meter/Seal No														
Meter Size														
CCA Qty(KLD)														
Pump Serial No.														
DATE	03/11/20													

Date	Opening Reading at 10.00 a.m	Diff. KL/Day	CO's Repr. Sign	NCT Repr. Sign	Remarks/Breakdown
01/11/2021	246720	0.0	<i>[Signature]</i>		
02/11/2021	246720	0.0	<i>[Signature]</i>		
03/11/2021	246720	0.0	<i>[Signature]</i>	<i>[Signature]</i>	246720
04/11/2021	246720	0.0	<i>[Signature]</i>		pendrive updated
05/11/2021	246720	0.0	<i>[Signature]</i>		
06/11/2021	246720	0.0	<i>[Signature]</i>		
07/11/2021	246720	0.0	<i>[Signature]</i>		old seal - 0794
08/11/2021	246720	0.0	<i>[Signature]</i>		new seal - 0353
09/11/2021	246720	0.0	<i>[Signature]</i>	<i>[Signature]</i>	
10/11/2021	246720				Date 10/11/21
11/11/2021					Visit for FM seal
12/11/2021					Recorder Disconnect
13/11/2021					From Final Discharge
14/11/2021					line because zero
15/11/2021					Discharge So FM seal
16/11/2021					Recorder removed from
17/11/2021					line and blind flow
18/11/2021					Installed and blind
19/11/2021					Flow Box installed
20/11/2021					with seal
21/11/2021					FM line removed
22/11/2021					246720
23/11/2021					blind flange seal
24/11/2021					3292 3293 3294 3295
25/11/2021					blind flange box seal
26/11/2021					3296 3297
27/11/2021					Recorder old seal 313
28/11/2021					FM old seal 3214 3293
29/11/2021					
30/11/2021					<i>[Signature]</i>
01/12/2021					
Total Discharge					

M.I Representative Name & Sign

*[Signature]*

NCT Person Name & sign

*[Signature]*



Surti Bhagor, Nr. Gujarat Gas Office, Umarwada Road, Ankleshwar - 393 001, Dist. Bharuch (Gujarat)  
Tel : 84697 45285, 97267 45635, E-mail : info@ncte.co.in, Website : www.ncte.co.in - CIN : U40101GJ2000NPL037236

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status
3.17	Unit shall keep accurate records of quantity of production of each product, quantity of water consumption, quantity of effluent generated and consumption of electricity on day to day basis and required to submit the complied record of each month to GPCB on or before fifth day of the succeeding month.	Complied. Unit is e-filing Monthly Patrak on GPCB XGN Site every month.
3.18	In case of incinerators or MEE, the flow measuring devices for mother liquor / toxic effluent / Non-biodegradable effluent, light diesel oil, Furnace oil, etc. i.e. fuel used for combustion, air used for combustion shall be separately provided. Incinerator temperature recording devices as well as gaseous flow measuring devices for scrubber shall also be provided. These temperature & flow should be recorded every day & submitted to GPCB on monthly basis.	Incinerator is not in operation since C.Y. 2014. Details of MEE are submitted on monthly basis.
3.19	Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.	Complied. Unit has provided storm water drainage.
3.20	Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be treated along with industrial effluent and final treated effluent shall be discharged to the CETP of NCTL.	Complied. Unit is following the given condition.
3.21	If the NCTL authority terminates the membership of CETP, the NCTL member unit shall have to close down the manufacturing activities / industrial operation of the process plant immediately until the NCTL membership is resumed.	Noted
3.22	The Environmental Management Unit / Cell shall be setup to ensure implementation on and monitoring of environment safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell / Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issues. These Cells also coordinate the exercise of environmental audit and preparation of environmental statements.	Complied
3.23	The environmental audit shall be carried out yearly, if applicable. The environmental statements pertaining to the previous year shall be submitted to this State Board latest by 30 <sup>th</sup> September every year.	Environmental Statement is Attached as annexure 5.
3.24	Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.	Complied. Photographs of the same is attached below:

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status
	 <p style="text-align: center;">Near boiler house (GB-1)</p>	
	 <p style="text-align: center;">Near Admin building (GB-2)</p>	
		 <p style="text-align: center;">In front of R&amp;D building near Entrance (GB-3)</p>
	 <p style="text-align: center;">Behind Admin building (GB-5)</p>	
	 <p style="text-align: center;">Along ETP (GB-6)</p>	
		 <p style="text-align: center;">Behind PESO farm (GB-7)</p>

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status																				
	 <p style="text-align: center;">Behind R&amp;D building (GB-4)                      Opposite side of ETP (GB-6)</p>																					
3.25	In case of change of ownership / management the name and address of the new ownership / partners / directors / proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form / order should immediately be intimated to this Board.	Noted																				
3.26	The Board reserves the right to review and/or revoke the consent and/or make modifications in the conditions which it seems fit in accordance with provisions of Water Act-1974.	Noted																				
<b>4</b>	<b>CONDITIONS UNDER THE AIR ACT.</b>																					
4.1	Unit shall use fuel as specified in this consent and the flue gas emission through stack shall conform to the standards.	Complied.																				
	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 5%;">Sr. No.</th> <th style="width: 10%;">Stack ID / Stack Attached to</th> <th style="width: 10%;">Capacity / Remarks</th> <th style="width: 10%;">Name of Fuel</th> <th style="width: 10%;">Quantity of Fuel</th> <th style="width: 10%;">Air Pollution Control Measures (APCM)</th> <th style="width: 10%;">Stack Height (Mt)</th> <th style="width: 10%;">Parameter</th> <th style="width: 10%;">Perm. limit</th> <th style="width: 10%;">unit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>41726-Boiler</td> <td>WHRB-Captive Power Plant</td> <td>Natural Gas</td> <td>5500 Sm<sup>3</sup>/day</td> <td>Not Applicable</td> <td>30</td> <td>PM SO<sub>2</sub> NO<sub>x</sub></td> <td>150 100 50</td> <td>mg/Nm<sub>3</sub> ppm ppm</td> </tr> </tbody> </table>	Sr. No.	Stack ID / Stack Attached to	Capacity / Remarks	Name of Fuel	Quantity of Fuel	Air Pollution Control Measures (APCM)	Stack Height (Mt)	Parameter	Perm. limit	unit	1	41726-Boiler	WHRB-Captive Power Plant	Natural Gas	5500 Sm <sup>3</sup> /day	Not Applicable	30	PM SO <sub>2</sub> NO <sub>x</sub>	150 100 50	mg/Nm <sub>3</sub> ppm ppm	
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## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement										Compliance Status																																							
2	8820 - Boiler	Boiler capacity (10 TPH & 5 TPH)	Natural gas or Furnace oil	7000 Sm <sup>3</sup> /day or 4000 kg/day	Not Applicable	30	PM SO <sub>2</sub> NO <sub>x</sub>	150 100 50	mg/Nm <sup>3</sup> ppm ppm																																									
3	8822 - D.G. Set	D.G. Set (cap. - 1250 KVA)	H.S.D	2160 l/day	Not Applicable	11	PM SO <sub>2</sub> NO <sub>x</sub>	150 100 50	mg/Nm <sup>3</sup> ppm ppm																																									
4	8823 - Incinerator	Common vent of New and Old Incinerator with Two stage Caustic Scrubbing system	Natural Gas	3000 Sm <sup>3</sup> /day	Alkali Scrubber	45	Parameters as mentioned below																																											
<p>Treated flue gas emissions discharge through stack of Incinerator to atmosphere shall always be less than or equal to the following parameter specific emission standards.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Parameters</th> <th style="width: 20%;">Emission Standard</th> <th style="width: 50%;">Sampling Duration</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Cd + Th + their compounds</td> <td style="text-align: center;">0.05 mg/Nm<sup>3</sup></td> <td style="text-align: center;">Sampling time anywhere between 30 minutes and 8 hours</td> </tr> <tr> <td style="text-align: center;">CO</td> <td style="text-align: center;">100 mg/Nm<sup>3</sup></td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td style="text-align: center;">CO</td> <td style="text-align: center;">50 mg/Nm<sup>3</sup></td> <td style="text-align: center;">Standard refers to daily average value</td> </tr> <tr> <td style="text-align: center;">HCl</td> <td style="text-align: center;">50 mg/Nm<sup>3</sup></td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td style="text-align: center;">HF</td> <td style="text-align: center;">4 mg/Nm<sup>3</sup></td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td style="text-align: center;">Hg and Its compounds</td> <td style="text-align: center;">0.05 mg/Nm<sup>3</sup></td> <td style="text-align: center;">Sampling time anywhere between 30 minutes and 8 hours</td> </tr> <tr> <td style="text-align: center;">NO<sub>x</sub> (NO and NO<sub>2</sub> expressed as NO<sub>2</sub>)</td> <td style="text-align: center;">400 mg/Nm<sup>3</sup></td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td style="text-align: center;">Particulates</td> <td style="text-align: center;">50 mg/Nm<sup>3</sup></td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td style="text-align: center;">Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds</td> <td style="text-align: center;">0.5 mg/Nm<sup>3</sup></td> <td style="text-align: center;">Sampling time anywhere between 30 minutes and 8 hours</td> </tr> <tr> <td style="text-align: center;">SO<sub>2</sub></td> <td style="text-align: center;">200 mg/Nm<sup>3</sup></td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td style="text-align: center;">Total dioxins and furans</td> <td style="text-align: center;">0.1 mg TEQ/ Nm<sup>3</sup></td> <td style="text-align: center;">6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive to total toxic equivalence.</td> </tr> <tr> <td style="text-align: center;">Total Organic Carbon</td> <td style="text-align: center;">20 mg/Nm<sup>3</sup></td> <td style="text-align: center;">30 minutes</td> </tr> </tbody> </table>												Parameters	Emission Standard	Sampling Duration	Cd + Th + their compounds	0.05 mg/Nm <sup>3</sup>	Sampling time anywhere between 30 minutes and 8 hours	CO	100 mg/Nm <sup>3</sup>	30 minutes	CO	50 mg/Nm <sup>3</sup>	Standard refers to daily average value	HCl	50 mg/Nm <sup>3</sup>	30 minutes	HF	4 mg/Nm <sup>3</sup>	30 minutes	Hg and Its compounds	0.05 mg/Nm <sup>3</sup>	Sampling time anywhere between 30 minutes and 8 hours	NO <sub>x</sub> (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	400 mg/Nm <sup>3</sup>	30 minutes	Particulates	50 mg/Nm <sup>3</sup>	30 minutes	Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds	0.5 mg/Nm <sup>3</sup>	Sampling time anywhere between 30 minutes and 8 hours	SO <sub>2</sub>	200 mg/Nm <sup>3</sup>	30 minutes	Total dioxins and furans	0.1 mg TEQ/ Nm <sup>3</sup>	6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive to total toxic equivalence.	Total Organic Carbon	20 mg/Nm <sup>3</sup>	30 minutes
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## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status																						
	Note: All values of outlet parameters of incinerator shall be corrected to 11% oxygen in a dry basis.																							
4.2	<p>The process emission through various stacks / vent of reactors, process, vessel shall conform to the following standards:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sr. No.</th> <th style="width: 15%;">Stack Attached to</th> <th style="width: 25%;">Source</th> <th style="width: 15%;">Air Pollution Control Measures (APCM)</th> <th style="width: 10%;">Stack Height in Mt. (From G.L.)</th> <th style="width: 40%;">Parameter &amp; Permissible limits</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>43940-Reaction Vessels</td> <td>Reaction vessel of AZOXY Plant with caustic scrubbing system</td> <td>Alkali Scrubber</td> <td>25</td> <td>HCl- 20 mg/Nm<sup>3</sup> Chlorine- 9 mg/Nm<sup>3</sup></td> </tr> <tr> <td>2</td> <td>43939-Reaction Vessels</td> <td>Reaction vessel of ACP Plant with Ozone treatment followed by Hypo scrubber &amp; Carbon bed</td> <td>Scrubber</td> <td>25</td> <td>HCl- 20 mg/Nm<sup>3</sup> Chlorine- 9 mg/Nm<sup>3</sup></td> </tr> </tbody> </table>	Sr. No.	Stack Attached to	Source	Air Pollution Control Measures (APCM)	Stack Height in Mt. (From G.L.)	Parameter & Permissible limits	1	43940-Reaction Vessels	Reaction vessel of AZOXY Plant with caustic scrubbing system	Alkali Scrubber	25	HCl- 20 mg/Nm <sup>3</sup> Chlorine- 9 mg/Nm <sup>3</sup>	2	43939-Reaction Vessels	Reaction vessel of ACP Plant with Ozone treatment followed by Hypo scrubber & Carbon bed	Scrubber	25	HCl- 20 mg/Nm <sup>3</sup> Chlorine- 9 mg/Nm <sup>3</sup>	Complied. Unit is following the given condition.				
Sr. No.	Stack Attached to	Source	Air Pollution Control Measures (APCM)	Stack Height in Mt. (From G.L.)	Parameter & Permissible limits																			
1	43940-Reaction Vessels	Reaction vessel of AZOXY Plant with caustic scrubbing system	Alkali Scrubber	25	HCl- 20 mg/Nm <sup>3</sup> Chlorine- 9 mg/Nm <sup>3</sup>																			
2	43939-Reaction Vessels	Reaction vessel of ACP Plant with Ozone treatment followed by Hypo scrubber & Carbon bed	Scrubber	25	HCl- 20 mg/Nm <sup>3</sup> Chlorine- 9 mg/Nm <sup>3</sup>																			
4.3	<p>The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 5%;">Sr.no.</th> <th rowspan="2" style="width: 15%;">Parameters</th> <th colspan="2" style="width: 80%;">Permissible limit (microgram/m3)</th> </tr> <tr> <th style="width: 40%;">Annual</th> <th style="width: 40%;">24 hours average</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Particulate matter (PM<sub>10</sub>)</td> <td>60</td> <td>100</td> </tr> <tr> <td>2</td> <td>Particulate matter (PM<sub>2.5</sub>)</td> <td>40</td> <td>60</td> </tr> <tr> <td>3</td> <td>Oxides of Sulphur (SO<sub>x</sub>)</td> <td>50</td> <td>80</td> </tr> <tr> <td>4</td> <td>Oxides of Nitrogen(NO<sub>x</sub>)</td> <td>40</td> <td>80</td> </tr> </tbody> </table> <p>a. Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.</p> <p>b. 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.</p>	Sr.no.	Parameters	Permissible limit (microgram/m3)		Annual	24 hours average	1	Particulate matter (PM <sub>10</sub> )	60	100	2	Particulate matter (PM <sub>2.5</sub> )	40	60	3	Oxides of Sulphur (SO <sub>x</sub> )	50	80	4	Oxides of Nitrogen(NO <sub>x</sub> )	40	80	Complied.
Sr.no.	Parameters			Permissible limit (microgram/m3)																				
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1	Particulate matter (PM <sub>10</sub> )	60	100																					
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3	Oxides of Sulphur (SO <sub>x</sub> )	50	80																					
4	Oxides of Nitrogen(NO <sub>x</sub> )	40	80																					
4.4	Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.	Complied																						
4.5	The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.	Noted																						
4.6	Unit shall provide portholes, ladder, platform etc. at chimney(s) for monitoring the air emissions and the same shall be open for inspection to / and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted / displayed to facilitate identification.	Complied																						
4.7	Unit shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.	Noted. Odor control measures are in place to control odor nuisance from specific activities.																						
4.8	All efforts shall be made to control VOC emissions and odor problem, if any.	Complied																						
5.	<b>AUTHORISATION FOR THE MANAGEMENT &amp; HANDLING OF HAZARDOUS WASTES:</b>																							

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement						Compliance Status	
5.1	Number of authorization: AWH-87335 date of issue 25/07/2017						Noted	
5.2	M/s. Cheminova (India) Ltd. (Tech. Div) is granted an authorization to operate facility for following hazardous waste on the situated at PLOT No. : 241 GIDC ESTATE Panoli DIST: Bharuch						Complied. Disposal of hazardous waste is as per granted quantity by GPCB.	
	SN	Name of hazardous waste	Sch	Cat.	Qty MT / year	Facility		Mode of disposal & remarks
	1.	Spent Solvents	I	20.2	500	Co-processing, Collection, Recycling, Incineration, Disposal, Reuse, Recovery, Storage, Transportation		Spent Solvent (MDC, EA, Acetone etc.): Recover & Reuse within industrial unit OR incineration to CHWIF at BEIL/ SEPPL/own incinerator / GSPL Palsana / RSPL / co-processing in cement industries. OR Disposal by Sell out to authorized users having rule 9 & authorization
	2.	Spent Solvents	I	20.2	1200	Co-processing, Collection, Recycling, Incineration, Disposal, Reuse, Recovery, Storage, Transportation		Stripped Solvent from Stripper: Recover & Reuse within industrial unit OR incineration to CHWIF at BEIL/ SEPPL/own incinerator OR Disposal by Sell out to authorized users having rule 9 & authorization
	3.	Process waste or residues	I	29.1	2311	Co-processing, Collection, Generation Incineration, Disposal, Storage, Transportation		Process Waste: 2160 MT/Year of Tech. Div. + 151 MT/Year of Fml. Div. Sister Unit): Disposal to Common CHWIF Facility BEIL/SEPPL/GSPL Palsana/RSPL /Co-processing in cement industries
	4.	Spent Acids	I	29.6	16524	Collection, Disposal, Storage, Transportation		Acetic Acid / Sodium Acetate/Organic Byproducts etc: Disposal by selling out to authorized users who are having authorization with valid CCA and rule 9 permission to receive this waste or Disposal to common CHWIF facility BEIL / SEPPL / GSPL Palsana / RSPL.
	5.	Empty barrels/ containers/ liners contaminated with hazardous chemicals / wastes	I	33.1	362.11	Collection, Decontamination, Generation, Disposal, Reuse, Storage, Transportation		Disposal by sent it to authorized decontamination facility / recycler or reuse or send back to supplier or send it to common TSDF / CHWIF facility at BEIL / SEPPL
	6.	Chemical sludge from waste water treatment	I	35.3	305	Collection, Disposal, Storage, Transportation	Chemical sludge from waste water treatment includes ETP Sludge: Disposal at TSDF –BEIL / SEPPL	

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement						Compliance Status	
	7.	Chemical sludge from waste water treatment	I	35.3	1525	Collection, Disposal, Storage, Transportation	Evaporation sludge (1525 MT / year) : Disposal at TSDF –BEIL / SEPPL	
	8.	Ash from incinerator and flue gas cleaning residue	I	37.2	720	Collection, Disposal, Storage, Transportation	Incinerator Ash: Disposal to Common TSDF facility BEIL/ SEPPL	
	9.	Used or Spent Oil	I	5.1	0.36	Collection, Disposal, Reuse, Storage, Transportation	Disposal by Reuse in plant & Machinery as lubricant or selling it to authorized refiners / recycler	
	10.	Salts of Per-Acids	II	B36	18864	Collection, Disposal, Storage, Transportation	Ammonium Sulphate / Ammonia Solution / Sodium Chloride / Sodium Sulfate / Potassium Chloride / Potassium Sulfate: Disposal by selling out to authorized users having rule 9 & authorization in valid CCA	
5.3	The authorization is granted to operate a facility as above.						Noted	
5.4	The authorization shall be in force for a period up to 16/04/2022.						Noted	
5.5	The authorization is subjected to the conditions stated below and such other conditions as may be specified in the rules from time to time under the environment (protection) act – 1986.						Noted	
<b>6</b>	<b>TERMS AND CONDITIONS OF AUTHORISATION :</b>							
6.1	The authorized person shall comply with the provisions of the Environment (Protection) Act-1986, and the rules made there under.						Complied	
6.2	The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.						Complied	
6.3	The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.						Complied	
6.4	Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.						Noted	
6.5	The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.						Complied	
6.6	The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.						Noted	
6.7	It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.						Noted	

## Six Monthly EC Compliance Report

Sr. No.	Consent Condition Requirement	Compliance Status
6.8	The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean – up operation.	Hazardous and other wastes are not imported.
6.9	The record of consumption and fate of the imported hazardous and other wastes shall be maintained.	Noted
6.10	The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.	Noted
6.11	The importer or exporter shall bear the cost of import or export and mitigation of damages, if any.	Noted
6.12	An application for the renewal of an authorization shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules – 2016.	Noted
6.13	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.	Noted
6.14	Annual return shall be filed by June 30 <sup>th</sup> for the period ensuring 31 <sup>st</sup> March of the year.	Complied
6.15	Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W. P. No. 657 of 1995 dated 14 <sup>th</sup> October 2003.	Complied

# Six Monthly EC Compliance Report

Annexure 3 -Copy of existing EC, NOC/CTE and CC&A/CTO

EC Copy



सत्यमेव जयते

F. No. IA-J-11011/85/2018-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(IA-II Section)

By Speed Post/Online

Indira Paryavaran Bhawan  
Jorbagh Road, New Delhi - 3

Dated: 25<sup>th</sup> November, 2019

To

**M/s Cheminova India Limited**  
Plot Nos. 241, 242/2, 241/P  
GIDC Industrial Estate, Panoli  
District Bharuch (Gujarat)  
Email: [anil.shah@fmc.com](mailto:anil.shah@fmc.com)

**Sub: Expansion of agrochemicals and their intermediates from 3533 TPA to 15583 TPA at Plot Nos. 241, 242/2, 241/P, GIDC Industrial Estate, Panoli, Ankleshwar, District Bharuch (Gujarat) by M/s Cheminova India Limited (Technical Division) - Environmental Clearance - reg.**

Sir,

This has reference to your proposal No. IA/GJ/IND2/89462/1997 dated 20<sup>th</sup> May, 2019, submitting the EIA/EMP report on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of agrochemicals and their intermediates from 3533 TPA to 15583 TPA by M/s Cheminova India Limited (Technical Division) in an area of 40476.94 sqm located at Plot Nos. 241, 242/2, 241/P, GIDC Industrial Estate, Panoli, Ankleshwar, District Bharuch (Gujarat).

3. The details of products are as under:-

S. No	Name of product*	Existing (TPA)	Proposed (TPA)	Total (TPA)
1.	Organo Phosphate: -Acephate Tech. (I), Dichlorvos (I), Chlorpyrifos (I), Quinalphos (I), Triazophos(I), Phosalone (I), Omethoate (I), Prothiofos (I), Temefos (I), Profenofos (I), Ethion (I), Ethwephon (Pgr), Glyphosate (H), etc	800 TPA	---	800 TPA
2.	Strobilurin: - Azoxystrobin Tech. (F), Des-Methoxyazoxy (DMA) (Int.) Kresoxim Methyl (F), Flouxastrobin (F), Pyraclostrobin (F).	1200 TPA	---	1200 TPA
3.	Neonicotinoid/Amide: - Imidacloprid Tech (I), Thiacloprid (I), Acetamiprid (I), Bflubutamide Tech (H), Flubendamide (I), Chlorantraniliprole (I), Rynexapyr (I), Cymoxanil (F), Thifluzamide (F), Carboxin (F), Captan (F), Pretilachlor	225 TPA	---	225 TPA

EC for M/s Cheminova India Limited (Technical Division)

## Six Monthly EC Compliance Report

	(H), Propyzamide (H), Pethoxamide (H), SNA(Int.), (2-Aminosulfonyl-N,N-Dimethylnicotinamide), MST (Int.), (2-Methoxycarbonyl) Thiophene-3-Sulfonamide), Flufenacet (H), Boscalid (F) etc.			
4.	Ketone: -Dimethomorph Tech. (F), Clethodim (H), Butoxydim (H), Spiromesifen (I), Mesotrione (H), Sulcotrione (H), IBP (Int.), (Isobutyrophenone), Pymetrozine (I) etc.	60 TPA	---	60 TPA
5.	Ether: - Propargite Tech. (I), Oxyfluorfen (H), Etoxazole (I), EEA (Int.)-(2-Ethoxy Ethyl Amine), S-Cyno-MPB (Int.) etc.	60 TPA	---	60 TPA
6.	Aniline: - Pendimethalin Tech. (H), Metalaxyl (F), Famoxadone (F), Trifluralin (H), FIPA-OH (Int.) etc.	60 TPA	---	60 TPA
7.	Ester/Pyrethroid: - Fenoxaprop-P-Ethyl Tech. (H), Bifenazate (I), Quizalofop-P-ET (H), Clodinafop-PPG (H), Acrinathrin (I), Bifenthrin (I), Cyhalothrin (I), Gamma-Cyhalothrin (I), Lamda- Cyhalothrin (I), Cypermethrin (I), and its analogs, Delta-Methrin (I), -Cyfluthrin (I) and its analogs, Permethrin (I), Bioallethrin (I), Fenvalerate (I), Imiprothrin (I) etc.	150 TPA	---	150 TPA
8.	Carbamate & thio based products: - Cartap.HCL Tech. (I), Thiodicarb (I), Thiophanate-ME (F), Propineb (F), Metiram (F), Thiram (F), Isoprothiolane Tech (I), Thiocyclam (I), Prothiocarb (F), Flutianil (F) etc.	100 TPA	---	100 TPA
9.	Quaternary salt and other salts, Acid based products: - Mepiquat Chloride Tech. (I), Chlormequat Chloride (I), other salts: Copper Hydroxide (Bactericide,F), Copper Sulphate (Algicide,F), etc., Flupropanate-NA Tech (H) + HPAA (INT.)-(2-Hydroxyphenylacetic Acid), BBA (INT.)-(Bromobutyricacid), HPPA-Int.(2-(4-Hydroxyphenoxy)Propanate), Picloram (H), Dicamba (H), 2-Cyanophenol (Int.) etc.	68 TPA	---	68 TPA
10.	Triazols: - 2,6 Dichlorobenzoxazole (INT.), Isoxaflutole (H), Flurasulam (H), TDA (INT.) (Trifluoromethylthiadiazole), Flutriafol TECH (F), Prothiconazole (F), Sulfentrazone (H), Carfentrazone-ET (H) etc.	400 TPA	---	400 TPA

## Six Monthly EC Compliance Report

23.	Sulfentrazone 2,4-Dichloro / 2,4-Dichlorophenyl-4-(Difloromethyl)Triazolone	---	1500	1500
<b>Total</b>		<b>3533</b>	<b>12050</b>	<b>15583</b>
*Banned pesticides shall not be produced. Production of either individual or more products in the group shall not exceed the stipulated total production capacity of the group.				
1	Captive Power Plant (Natural Gas)	<b>2.04 MW/Hr</b>	---	<b>2.04 MW/Hr</b>

4. Existing land area is 40476.94 sqm. No additional land will be required for the proposed expansion. Industry will enhance existing greenbelt in an area of 13450 sqm covering 33 % of total project area. The estimated project cost for expansion is Rs. 365.92 crores. Total capital cost earmarked towards environmental pollution control measures is Rs 17.15 crores and the recurring cost (O&M) will be about Rs 68.15 crores per annum. Total employment will be for 200 persons directly and 500 persons indirectly after expansion.

5. There are no National parks, Wildlife sanctuaries, Biosphere, Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km from the project site. Ukai canal is flowing at a distance of 0.28 km in west direction.

6. Total water requirement is estimated to be 898 cum/day, which includes fresh water requirement of 261 cum/day, proposed to be met from GIDC supply.

Industrial Effluent of 670 cum/day will be treated through Effluent Treatment Plant having Primary, Secondary & Tertiary Treatments, MEE and RO & shall be recycled back to process. Domestic effluent will be treated through STP after expansion. There will be no discharge of treated/untreated waste water from the unit, and thus ensuring Zero Liquid Discharge.

Power requirement after expansion will be 3500 KVA including existing 2200 KVA and will be met from M/s Dakshin Gujarat Vj Company Limited (DGVCL). Existing unit has one DG set of 1250 KVA capacity, additionally 1 no. DG set of 1500 KVA will be used as standby during power failure for proposed expansion.

Existing unit has natural gas based WHRB- Captive power plant, 2 nos. of natural gas based boilers of 10 TPH and 5 TPH capacity and one natural gas based thermic fluid heater of 10 lakh Kcal/h will be installed additionally in the proposed expansion. Water scrubbers and alkali scrubbers shall be installed for controlling emissions.

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.

8. Standard terms of reference (ToR) for the project was granted on 8<sup>th</sup> April, 2018. Public hearing is exempted in accordance with the Ministry's OM dated 27<sup>th</sup> April 2018, as the project site is located in the notified industrial area.

9. The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 26-28 June, 2019 and 28-29 August, 2019 in the Ministry, wherein the project proponent and their accredited consultant M/s Siddhi Green Excellence Pvt Ltd presented the EIA/EMP report. The Committee found 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.

 EC for M/s Cheminova India Limited (Technical Division)

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## Six Monthly EC Compliance Report

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10. The proposal was further examined in the Ministry in accordance with the Ministry's Office Memorandum No. 22-23/2018-IA.III (pt) dated 31<sup>st</sup> October 2019 and Ministry's communication No. Q-16017/38/2018-CPA dated 24<sup>th</sup> October 2019 regarding compliance of Hon'ble NGT order dated 19.8.2019 (published on 23.8.2019) in OA No. 1038/2018.

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 agrochemicals and their intermediates from 3533 TPA to 15583 TPA by M/s Cheminova India Limited (Technical Division) at Plot Nos. 241, 242/2, 241/P, GIDC Industrial Estate, Panoli, 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:-

- (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 24<sup>th</sup> October, 2019 and forwarded by Central Pollution Control Board vide letter dated 25<sup>th</sup> October, 2019 to the SPCB's, while issuing the CTE/CTO for the project, for improvement of environmental quality in the area.
- (ii) Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, shall be obtained from the State Pollution Control Board.
- (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.
- (iv) As proposed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land.
- (v) National Emission Standards for Pesticides Manufacturing Industry issued by the Ministry vide G.S.R.446(E) dated 13<sup>th</sup> June, 2011, as amended from time to time, shall be followed.
- (vi) No pesticides/chemicals banned by the Ministry of Agriculture and Farmers Welfare, or having LD<sub>50</sub><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.
- (vii) To control source and the fugitive emissions, 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.
- (viii) 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.

  
EC for M/s Cheminova India Limited (Technical Division)

## Six Monthly EC Compliance Report

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- (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.
- (ix) Total fresh water requirement shall not exceed 261 cum/day to be met from GIDC water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.
- (x) 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
- (xi) 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.
- (xii) 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.
- (xiii) 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.
- (xiv) 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 vapour recovery system.
  - (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (xv) 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.
- (xvi) 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.
- (xvii) Safety and visual reality training shall be provided to employees.
- (xviii) 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.

## Six Monthly EC Compliance Report

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- (xix) 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.
- (xx) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (xxi) Continuous online (24x7) 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.
- (xxii) Mitigation measures suggested during process safety and risk assessment studies shall be undertaken accordingly.

**11.1.** The grant of environmental clearance is subject 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.
- (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.
- (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.
- (iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be followed.
- (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).
- (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.
- (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.
- (viii) The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the

## Six Monthly EC Compliance Report

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recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

- (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.
- (x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (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.
- (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.
- (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 report shall be 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.
- (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 date 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.
- (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.

**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.



EC for M/s Cheminova India Limited (Technical Division)

## Six Monthly EC Compliance Report

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.
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.
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.
16. This issues with approval of the competent authority.

  
(Dr. R. B. Lal)  
Scientist E

**Copy to: -**

1. The Deputy DGF (C), MoEF&CC Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal-466002
2. The Secretary, Forests and Environment Department, Government of Gujarat, Block 14, 8th Floor, Sachivalaya, Gandhinagar (Gujarat) -10
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhawan, Sector-10A, Gandhinagar (Gujarat) - 10
5. The District Collector, District Bharuch (Gujarat)
6. Guard File/Monitoring File/Website/Record File

(डा. आर. बी. लाल)  
(Dr. R. B. Lal)  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Environment, Forest and Climate Change  
भारत सरकार, नई दिल्ली

  
(Dr. R. B. Lal)  
Scientist E

# Six Monthly EC Compliance Report

CC&A Amendment Copy



## GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN  
Sector-10-A, **Gandhinagar** 382 010  
Phone : (079) 23222425  
(079) 23232152  
Fax : (079) 23232156  
Website : www.gpcb.gov.in

By R.P.A.D.

### CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A - Amendment)

**CCA AMENDMENT NO: AWH - 104796**

**NO: GPCB/ANK/CCA-138(15)/ID-15015/**

**DT: 10/12/2019**

To,  
M/S. CHEMINOVA (INDIA) LTD. (TECH DIV.),  
PLOT NO:241,  
GIDC ESTATE PANOLI,  
DIST-BHARUCH.

**SUB:** Amendment in Consolidated Consent & Authorization (CC&A) under various Environmental Acts/ Rules.

**REF:** (1) Your application No. 163740 dated **19/09/2019**.  
(2) CCA No. AWH - 87335 dated :10/08/2017.  
(3) CTE Amendment No. 99440 dated:04/04/2019 (For change in Product Mix)

Sir,

This has reference to the CCA order No: **AWH-87335, issued vide letter no. GPCB/ ANK/ CCA-138(10)/ ID-15015/419991, dated 10/08/2017** under the provisions of the various Environmental Act/ Rules, which stands amended as under. The Validity of this order will be up to **16/04/2022**.

**1. The list of proposed products to be manufactured shall be as follows:**

Sr. No.	Products	Quantity (MT/Annum)			Remarks
		Existing	Proposed	Total (After Change in Product Mix)	
1.	ORGANO PHOSPHATE: - ACEPHATE TECH. (I), DICHLORVOS (I), CHLORPYRIFOS (I), QUINALPHOS (I), TRIAZOPHOS(I), PHOSALONE (I), OMETHOATE (I), PROTHIOFOS (I), TEMEFOS (I), PROFENOFOS (I), ETHION (I), ETHWEPHON (PGR), GLYPHOSATE (H), etc.	Either individual or total production of this group shall not exceed 800 MT/Annum	(-)800	---	To be discontinued

**Clean Gujarat Green Gujarat**

ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

## Six Monthly EC Compliance Report

2.	STROBILURIN: - AZOXYSTROBIN TECH. (F), DES- METHOXYAZOXY (DMA) (INT.) KRESOXIM METHYL (F), FLOUXASTROBIN (F), PYRACLOSTROBIN (F) etc.	Either individual or total production of this group shall not exceed 1200 MT/Annum	(-)1200	---	To be discontin ued
3.	NEONICOTINOID/AM IDE: - IMI DACLOPRID TECH (I), THIACLOPRID (I), ACETAMIPRID (I), BEFLUBUTAMIDE TECH (H), FLUBENDAMIDE (I), CHLORANTRANILIPR OLE (I), RYNEXAPYR (I), CYMOXANIL (F), THIFLUZAMIDE (F), CARBOXIN (F), CAPTAN (F), PRETILACHLOR (H), PROPYZAMIDE (H), PETHOXAMIDE (H), SNA(INT.)-(2- AMINOSULFONYL- N,N- DIMETHYLNICOTINA MIDE), MST(INT.)-(2- METHOXYCARBONYL )THIOPHENE-3- SULFONAMIDE), FLUFENACET (H), BOSCALID (F) etc.	Either individual or total production of this group shall not exceed 225 MT/Annum	---	Either individual or total production of this group shall not exceed 225 MT/Annum	No Change
4.	KETONE: - DIMETHOMORPH TECH. (F), CLETHODIM (H), BUTROXYDIM (H), SPIROMESIFEN (I), MESOTRIONE (H), SULCOTRIONE (H), IBP (INT.)- (ISOBUTYROPHENON	Either individual or total production of this group shall not exceed 60 MT/Annum	---	Either individual or total production of this group shall not exceed 60 MT/Annum	No Change

## Six Monthly EC Compliance Report



GPCB

### GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

	E), PYMETROZINE (I) etc.				
5.	ETHER: - PROPARGITE TECH. (I), OXYFLUORFEN (H), ETOXAZOLE (I), EEA (INT.)-(2-ETHOXY ETHYL AMINE), S-CYNO-MPB (INT.) etc.	Either individual or total production of this group shall not exceed 60 MT/Annum	---	Either individual or total production of this group shall not exceed 60 MT/Annum	No Change
6.	ANILINE: - PENDIMETHALIN TECH. (H), METALAXYL (F), FAMOXADONE(F), TRIFLURALIN (H), FIPA-OH (INT.) etc.	Either individual or total production of this group shall not exceed 60 MT/Annum	(-)60	---	To be discontinued
7.	ESTER/PYRETHROID : - FENOXAPROP-P-ETHYL TECH. (H), BIFENAZATE (I), QUIZALOFOP-P-ET (H), CLODINAFOP-PPG (H), ACRINATHRIN (I), BIFENTHRIN (I), CYHALOTHRIN (I), GAMMA-CYHALOTHRIN (I), LAMDA-CYHALOTHRIN (I), CYPERMETHRIN (I), AND ITS ANALOGS, DELTA-METHRIN (I), CYFLUTHRIN (I) AND ITS ANALOGS, PERMETHRIN (I), BIOALLETHRIN (I), FENVALERATE (I), IMIPROTHRIN (I) etc.	Either individual or total production of this group shall not exceed 150 MT/Annum	---	Either individual or total production of this group shall not exceed 150 MT/Annum	No Change
8.	CARBAMATE & THIO BASED PRODUCTS: - CARTAP.HCL TECH. (I), THIODICARB (I),	Either individual or total production	---	Either individual or total production	No Change

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	<p>THIOPHANATE-ME (F), PROPINEB (F), METIRAM (F), THIRAM (F), ISOPROTHIOLANE TECH (I), THIOCYCLAM (I), PROTHIOCARB (F), FLUTIANIL (F) etc.</p>	<p>of this group shall not exceed 100 MT/Annum</p>		<p>of this group shall not exceed 100 MT/Annum</p>	
9.	<p>QUATERNARY SALT AND OTHER SALTS, ACID BASED PRODUCTS: - MEPIQUAT CHLORIDE TECH. (I), CHLORMEQUAT CHLORIDE (I), OTHER SALTS: COPPER HYDROXIDE (BACTERICIDE,F), COPPER SULPHATE (ALGICIDE,F), etc., FLUPROPANATE-NA TECH (H) + HPAА (INT.)-(2-HYDROXYPHENYLAC ETIC ACID), BBA (INT.)-(BROMOBUTYRICACI D), HPPA-INT.(2-(4-HYDROXYPHENOXY) PROPANATE), PICLORAM (H), DICAMBA (H), 2-CYANOPHENOL (INT.) etc.</p>	<p>Either individual or total production of this group shall not exceed 68 MT/Annum</p>	---	<p>Either individual or total production of this group shall not exceed 68 MT/Annum</p>	No Change
10.	<p>TRIAZOLS: - 2,6 DICHLOROBENZOXAZOLE (INT.), ISOXAFLUTOLE (H), FLURASULAM (H), TDA (INT.) (TRIFLUOROMETHYL THIADIAZOLE), FLUTRIAFOL TECH (F), PROTHICONAZOLE</p>	<p>Either individual or total production of this group</p>	---	<p>Either individual or total production of this</p>	No Change

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### GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, **Gandhinagar** 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : [www.gpcb.gov.in](http://www.gpcb.gov.in)

	(F), SULFENTRAZONE (H), CARFENTRAZONE-ET (H) etc.	Sr. No. 11 & 12 shall not exceed 400 MT/Annum		group Sr. No. 11 & 12 shall not exceed 400 MT/Annum	
11.	<p>TRIAZOLS:- FIPRONIL TECH (I), PROPICONAZOLE (F), EPOXYCONAZOLE (F), TEBUCONAZOLE (F), DIFENOCONAZOLE (F), HEXACONAZOLE (F), TRICYCLAZOLE (F), MYCLOBUTANIL (F), FLUSILAZOLE (F), PACLOBUTRAZOLE (PGR), THIAMETHOXAM (I), CHLOROTHALONIL (F), TRIADIMEFON (F), ISOXADIFEN-ET (SF)</p>				No Change
12.	<p>HETROCYCLIC (PYRIMIDINE/PYRIDI NE/TRIAZINE):- BISPYRIBAC-NA TECH. (H), PIRIMICARB (I), PYRITHIOBAC-NA (H), FLUMETSULAM (H), CYPRODINIL (F), FLORASULAM (H), PENOX SULAM (H), DCP (INT.)-(4,6- DICHLOROPYRIMIDI NE), ACMP (INT.)-(2- AMINO-4-CHLORO-6- METHOXYPYRIMIDI NE), IMAZETHAPYR TECH. (H), PYRIDALYL TECH (I), DIFLUFENICAN (H), CLOQUINTOCET- MEXYL(SF)</p>	<p>Either individual or total production of this group Sr. No. 13 &amp; 14 shall not exceed 185 MT/Annum</p>	---	<p>Either individual or total production of this group Sr. No. 13 &amp; 14 shall not exceed 185 MT/Annum</p>	No Change

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13.	<p>HETEROCYCLIC (PYRIMIDINE/PYRIDINE/TRIAZINE): - FLUAZINAM (F), FENPYROXIMATE TECH. (I), METRIBUZIN (H), AMITRAZ (I), CLOFENTEZINE (I), MMT (INT.)-(2-METHOXY-4-METHYL-6-METHYLAMINO-1,3,5-TRIAZINE, METOXYFENOZIDE (I), FENCHLORIM (SF), 2-HYDROXY-3,5,6-TRYCHLOROPYRIDINE &amp; ITS SODIUM SALT (INT. OF CHLORPYRIPHOS) etc.</p>				No Change
14.	<p>UREA/SULPHONYL UREA: - CHLORIMURON-ET TECH. (H), BUPROFEZIN TECH. (I), INDOXACARB (I), NOVALURON (I), LUFENURON (I), DIAFENTHIURON (I), AMICARBAZONE (H), FLUCARBAZONE (H), THIADIAZURON (PGR), HEXYTHIAZOX (I), LINURON (H), DIURON (H), TEFLUTHRIN (I), METSULFURON-METHYL (H)</p>	Either individual or total production of this group Sr. No. 15 & 16 shall not exceed 225 MT/Annum	(-)225	---	To be discontinued
15.	<p>UREA/SULPHONYL UREA: - THIFENSULFURON-METHYL (H), TRIBURON-METHYL (H), RIMSULFURON</p>				

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 Sector-10-A, **Gandhinagar** 382 010  
 Phone : (079) 23222425  
 (079) 23232152  
 Fax : (079) 23232156  
 Website : www.gpcb.gov.in

	(H), IODOSULFURON (H), DIAMURON (H), CHLORSULFURON (H), PYRAZOLESULFURO N(H), PYRAZOLESULFURO N-ETHYL (H) etc.				
16.	Ryanxypyr	---	935	935	New Product
17.	Isoxazolidinone sodium solution	---	650	650	New Product
18.	4S Zeta Cypermethrin				
19.	F-2700 Zeta Cypermethrin	---	150	150	New Product
20.	NATURAL GAS BASED CAPTIVE POWER PLANT	2.04 Mega Watt Hour	---	2.04 Mega Watt Hour	No Change
	<b>Total</b>	<b>3533</b>	<b>(-)550</b>	<b>2983</b>	<b>---</b>

2. **SPECIFIC CONDITIONS:-**
- a. Total production shall not exceed 2983 MT/Month in any case.
  - b. There shall be no change in mode of disposal of waste water.
  - c. There shall be no change in fuel consumption, flue gas emission and process gas emission.
  - d. There shall be no change in Hazardous waste quantity / category.
  - e. Unit shall sell out their hazardous waste to authorized end-users who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized end-users and submit MoU at time of application of CCA.
  - f. All the efforts shall be made to send hazardous waste to cement industry for Co- processing first & there after it shall be disposed through other option.
  - g. Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.
  - h. There shall not be increase in pollution load due to proposed change in product mix.
  - i. There shall not be any change in plant building, equipments & machineries to manufacture the proposed new products after change in product mix.
  - j. In the case of submission of the false or misleading data, this CTE amendment will be forfeited immediately.
  - k. Unit shall manufacture cypermethrin based product i.e. 4S Zeta cypermethrin & f-2700 Zeta Cypermethrin from Cypermethrin with max. production of 150 MTPA.
  - l. When Cypermethrine (150 MTPA) and new product Deravitaves of Cypermethrin at 18 and 19 (150 MTPA) to be manufactured product other than cypermethrin at group 7 (total 150 MTPA) can not be manufactured.

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**m. CCA is granted with a condition to comply guideline to be issued by Ministry of Environment, Forest and Climate Change in the matter of O.A.No.1038/2018 and Hon.NGT order dated: 10/07/2019 and 23/08/2019.**

**[A] Additional conditions under Air Act:**

- a) Unit shall adhere to stringent air pollutants standards i.e. 80 % of existing flue gas and process emission standards in the CPA.

<b>Flue gas Emission Standards</b>		
<b>Parameters</b>	<b>Existing</b>	<b>Revised norms (80% of Existing)</b>
PM	150 mg/Nm <sup>3</sup>	120 mg/Nm <sup>3</sup>
SO <sub>2</sub>	100 PPM	80 PPM
NO <sub>x</sub>	50 PPM	40 PPM

- b) Following air pollution control measures shall be provided for the flue gas emission sources like Boiler, Thermic Fluid Heaters etc. (As Applicable)

<b>Stipulated APCM in Red category industrial units of CPA</b>	
<b>Steam generation capacity (in TPH)</b>	<b>Type of APCM</b>
Less than 1	Multi Cyclone
1 to <3	Multi Cyclone + Water Scrubber
3 to <6	Bag filter + Water Scrubber
≥ 6	ESP+ Water Scrubber

- c) Unit shall provide at least two stage scrubbing system of appropriate media for the control of the process gas emission.
- d) Unit shall install and commission Continuous Emission Monitoring System- CEMS (as per CPCB guidelines for relevant parameters) which shall be connected with GPCB/ CPCB server (In case of large and medium red category industries)
- e) All common facilities shall install CEMS (as per CPCB guidelines for relevant parameters) which shall be connected with GPCB/CPCB server to the Stacks provided with Common Multiple Effect Evaporator (CMEE), Common Spray Dryer, Common incinerator etc.
- f) The unit shall adhere to Sector specific guidelines/ SOP published by GPCB / CPCB from time to time for effective fugitive emission control. (like guidelines for: Stone crushing units, Coal handling units, spent solvent handling and management, spent acid management, Decontamination of drums, containers etc.)
- g) Unit shall take adequate measures to control odour nuisance from the industrial activities which may include measures like- use of masking agent with atomizer system (water curtain), closed / automatic material handling system, containment of the odour vulnerable areas etc.
- h) Unit shall not use Pet-coke, furnace oil, LSHS as a fuel.
- i) Unit shall adopt sectoral Best Available Technology-BAT (Like Use of Induction Furnace, Electric Arc Furnace instead of Cupola furnace in foundry industry, Caustic Recovery System in Cotton Textile units etc.)
- j) Unit shall provide green belt of 40% of the plot area, using concept of the social forestry and development of green belt outside project premises in adjacent areas.

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PARYAVARAN BHAVAN

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- k) Unit shall provide Wall to Wall carpeting in vehicle movement areas within premises to avoid dusting.

### **[B] Additional conditions under the Water Act:**

- a) Unit shall only use treated effluent for preparation of lime and other slurry in ETP. No fresh water shall be utilized in ETP.
- b) In the case, if the Industry is not a member of CETP and domestic waste water generation is more than 10 KLPD, industry shall install STP of adequate capacity and treated sewage shall be reused / recycled to the maximum extent.
- c) In case of Large and Medium Red Category industry, the unit shall install system for continuous monitoring of effluent quality / quantity as per CPCB guidelines for relevant parameters (like pH, Flow, Temperature, TOC/COD, NH<sub>3</sub>-N etc.) and shall be connected to GPCB server. In case, if the industry is a member of CETP, unit shall install flow meter.
- d) If the water consumption of the unit is more than 50 KLPD, Unit shall submit detailed water harvesting plan (off site).
- e) The unit shall explore Techno-Economic feasibility of Zero Liquid Discharge (ZLD) and if feasible, ZLD should be adopted.

### **[C] Additional conditions under the Hazardous Waste Management Rules:**

- a) Unit shall strictly carry out handling, storage and disposal of fly-ash, slag, red-mud, de-inking sludge etc. (High Volume- Low Effect Wastes) as per prevailing guidelines and its disposal at designated locations approved by the Board.
- b) Industry shall dispose its hazardous wastes through co-processing, pre-processing to the extent possible prior its disposal to incineration/ landfill as per provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- c) Industry shall strictly comply with all the measures specified in guidelines for spent solvent management, spent acid management, and other guidelines/directions published from time to time by GPCB and/or CPCB, etc.
- d) Unit shall carry out transportation of hazardous wastes through GPS mounted vehicles only.

### **[D] Other General Conditions:**

- a) Unit shall submit report of compliance of the conditions of EC every year to the Board prepared by third party.
- b) Unit shall enhance CER fund allocation to at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.

### **3. CONDITION UNDER THE WATER ACT:**

- 3.1 The condition No. 3.3 for Water Consumption under Water Act of the CCA order No: **AWH-87335, issued vide letter no. GPCB/ ANK/ CCA-138(10)/ ID-15015/419991, dated 10/08/2017** is amended and shall now be read as under.

- a. Domestic: 50 KL/Day (Existing 50 KLD + Proposed Nil)
- b. Industrial: 260.2 KL/Day (Existing 265 KLD - Proposed 4.8 KLD)
- Total: 310.2 KL/Day (Existing 315 KLD - Proposed 4.8 KLD)**

- 3.2 The condition No. 3.1 & 3.2 for Wastewater Generation under Water Act of the CCA order No: **AWH-87335, issued vide letter no. GPCB/ ANK/ CCA-138(10)/ ID-15015/419991, dated 10/08/2017** is amended and shall now be read as under.

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- a. Domestic: 33.2 KL/Day (Existing 33.2 KLD + Proposed Nil)  
b. Industrial: 71.2 KL/Day (Existing 85.91 KLD - Proposed 14.7 KLD)  
**Total: 104.4 KL/Day** (Existing 119.11 KLD - Proposed 14.7 KLD)
- 3.2 71.2 KLD treated effluent shall be discharged to NCTL by underground drainage line and 33.2 KLD domestic sewage shall be disposed off through septic tank/soak pit system as per previous CCA conditions.
- 4 All other conditions of CCA order No: **AWH-87335**, issued vide letter no. GPCB/ ANK/ **CCA-138(10)/ ID-15015/419991**, dated **10/08/2017** will remain same.

For and on behalf of  
GUJARAT POLLUTION CONTROL BOARD



(A.V.SHAH)  
SR. ENVIRONMENT ENGINEER

# Six Monthly EC Compliance Report

CC&A/CTO Copy



## GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan, Sector-10/A, Gandhinagar - 382010

Phone: (079)23226295 , Fax: (079)23232156

Website: www.gpcb.gov.in

By R.P.A.D

### CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)

CCA NO:AWH-87335

NO: GPCB / ANK / CCA- 138(10)/ ID- 15015/

DT :

In exercise of the power conferred under Section-25 of the Water (Prevention and Control of Pollution) Act - 1974, under Section - 21 of the Air (Prevention and Control of Pollution) Act - 1981 and Authorization under rule 6(2) of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986.

And whereas Board has received consolidated application dated 17/04/2017 and inward No.119450 for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts, Consolidated Consent & Authorization is hereby granted as under.

#### CONSOLIDATED CONSENT AND AUTHORISATION:

(Under the provisions / rules of the aforesaid Environmental Acts)

TO,

M/s. Cheminova (India) Ltd. (Tech. Div.)

PLOT NO: 241

GIDC ESTATE:Panoli

TALUKA: Ankleshwar

DIST- Bharuch - 394116,Gujarat,India

1. Consent Order No.: AWH-87335 date of Issue 25/07/2017.

2. The consent under Water Act-1974 for conveying the industrial effluent to the CETP of M/s. NCTL for the treatment and disposal of treated effluent, The consent under Air Act-1981 & Authorization under Environment (Protection) Act, 1986 shall be valid up to 16/04/2022 to operate industrial plant to manufacture following products:

Sr	Products	CTE Qty	Applied CCA Qty	Granted CCA Qty	Unit Per Mth	CAS No.	Remarks
1	NATURAL GAS BASED CAPTIVE POWER PLANT	2.04	2.04	2.04	Mega Watt Hour		
2	ORGANO PHOSPHATE: ACEPHATE TECH. (I), DICHLORVOS (I), CHLORPYRIFOS (I), QUINALPHOS (I), TRIAZOPHOS (I), PHOSALONE (I), OMETHOATE (I), PROTHIOFOS (I), TEMEFOS (I), PROFENOFOS (I), ETHION (I), ETHEPHON (PGR), GLYPHOSATE (H) ETC.	66.66	66.66	66.66	Metric Tonne		Either individual or total production of this group shall not exceed 800 MT/Annum

Outward No: 418

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Sr	Products	CTE Qty	Applied CCA Qty	Granted CCA Qty	Unit Per Mth	CAS No.	Remarks
3	STROBILURIN:- AZOXYSTROBIN TECH. (F), DES-METHOXYAZOXY (DMA) (INT.), KRESOXIM METHYL (F), FLOUXASTROBIN (F), PYRACLOSTROBIN (F) ETC.	100.00	100.00	100.00	Metric Tonne		Either individual or total production of this group shall not exceed 1200 MT/Annum
4	NEONICOTINOID/AMIDE:IMI DACLOPRID TECH.(I), THACLOPRID (I), ACETAMIPRID (I),BEFLUBUTAMIDE TECH. (H),FLUBENDAMIDE (I),CHLORANTRANILIPROLE (I),RYNEXAPYR (I),CYMOXANIL (F),THIFLUZAMIDE (F),CARBOXIN(F),CAPTAN (F),PRETILACHLOR (H),PROPYZAMIDE (H),PETHOXAMIDE(H),SNA (INT.)-(2-AMINOSULFONYL-N,N-DIMETHYLNICOTINAMIDE, MST(INT.)-(2-(METHOXYCARBONYL) THIOPHENE-3-SULFONAMIDE),FLUFENAC ET(H),BOSCALID (F) ETC.	18.75	18.75	18.75	Metric Tonne		Either individual or total production of this group shall not exceed 225 MT/Annum
5	KETONE:- DIMETHOMORPH TECH. (F), CLETHODIM (H), BUTROXYDIM (H), SPIROMESIFEN (I), MESOTRIONE (H), SULCOTRIONE (H), IBP (INT.)-(ISOBUTYROPHENONE), PYMETROZINE (I) ETC.	5.00	5.00	5.00	Metric Tonne		Either individual or total production of this group shall not exceed 60 MT/Annum
6	ETHER:- PROPARGITE TECH. (I), OXYFLUORFEN (H), ETOXAZOLE (I), EEA (INT.)-(2-ETHOXY ETHYL AMINE), S-CYNO-MPB (INT.) ETC.	5.00	5.00	5.00	Metric Tonne		Either individual or total production of this group shall not exceed 60 MT/Annum
7	ANILINE:- PENDIMETHALIN TECH. (H), METALAXYL (F), FAMOXADONE (F), TRIFLURALIN (H), HPA-OH (INT.) ETC.	5.00	5.00	5.00	Metric Tonne		Either individual or total production of this group shall not exceed 60 MT/Annum

Outward No: 419991, 10/08/2018

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Sr	Products	CTE Qty	Applied CCA Qty	Granted CCA Qty	Unit Per Mth	CAS No.	Remarks
8	ESTER / PYRETHROID:- FENOXAPROP-P-ETHYL TECH. (H), BIFENAZATE (I), QUIZALOFOP-P- ET (H), CLODINAFOF-PPG (H), ACRINATHRIN (I), BIFENTHRIN (I), CYHALOTHRIN (I), GAMMA-CYHALOTHRIN (I), LAMDA-CYHALOTHRIN (I), CYPERMETHRIN (I) AND ITS ANALOGS, DELTA-METHRIN (I), CYFLUTHRIN (I) AND ITS ANALOGS, PERMETHRIN (I), BIOALLETHRIN (I), FENVALERATE (I), IMPROTHRIN (I) ETC.	12.50	12.50	12.50	Metric Tonne		Either individual or total production of this group shall not exceed 150 MT/Annum
9	CARBAMATE & THIO BASED PRODUCTS:- CARTAP.HCL TECH. (I), THIODICARB (I), THIOPHANATE-ME (F), PROPINEB (F), METIRAM (F), THIRAM (F), ISOPROTHIOLANE TECH. (I), THIOCYCLAM (I), PROTHIOCARB (F), FLUTIANIL (F) ETC.	8.33	8.33	8.33	Metric Tonne		Either individual or total production of this group shall not exceed 100 MT/Annum
10	QUATERNARY SALT & OTHER SALTS, ACID BASED PRODUCTS:-MEPIQUAT CHLORIDE TECH. (I), CHLORMEQUAT CHLORIDE (I), OTHER SALTS: COPPER HYDROXIDE (BACTERICIDE, F), COPPER SULFATE (ALGICIDE, F) ETC. FLUPROPANATE-NA TECH. (H) + HPAA (INT.)-(2-HYDROXYPHENYLACETIC ACID), BBA (INT.)-(BROMOBUTYRIC ACID), HPPA-INT. (2-(4-HYDROXY PHENOXY)PROPANATE), PICLORAM (H), DICAMBA (H), 2-CYANOPHENOL (INT.) ETC.	5.67	5.67	5.67	Metric Tonne		Either individual or total production of this group shall not exceed 68 MT/Annum
11	TRIAZOLS:- 2,6-DICHLOROBENZOXAZOLE (INT.), ISOXAFLOTOLE (H), FLURASULAM (H), TDA (INT) (TRIFLUOROMETHYLTHIAZIAZOLE), FLUTRIAFOL TECH (F), PROTHICONAZOLE (F), SULFENTRAZONE (H), CARFENTRAZONE-ET (H) ETC.	33.33	33.33	33.33	Metric Tonne		Either indi. or total production of this group sr.no. 11&12 shall not exceed 400 MT/Annum

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Sr	Products	CTE Qty	Applied CCA Qty	Granted CCA Qty	Unit Per Mth	CAS No.	Remarks
12	TRIAZOLS: FIPRONIL TECH (I), PROPICONAZOLE(F), EPOXYCONAZOLE(F), TEBUCONAZOLE(F), DIFENOCONAZOLE(F), HEXACONAZOLE(F), TRICYCLAZOLE(F), MYCLOBUTANIL(F), FLUSILAZOLE(F), PACLOBUTRAZOLE(PGR), THIAMETHOXAM(I), CHLOROTHALONIL(F), TRIADIMEFON(F), ISOXADIFEN-ET(SF),	33.33	33.33	33.33	Metric Tonne		Either indi. or total production of this group sr.no. 11&12 shall not exceed 400 MT/Annum
13	HETROCYCLIC (PYRIMIDINE / PYRIDINE / TRIAZINE):- BISPYRIBACNA TECH. (H), PIRIMICARB (I), PYRITHIOBAC-NA (H), FLUMETSULAM (H), CYPRODINIL (F), FLORASULAM (H), PENOXsulAM (H), DCP (INT.)-(4,6-DICHLOROPYRIMIDINE), ACMP (INT.)-(2-AMINO-4-CHLORO-6-METHOXYPYRIMIDINE), IMAZETHAPYR TECH. (H), PYRIDALYL TECH. (I), DIFLUFENICAN (H), CLOQUINTOCET-MEXYL (SF),	15.42	15.42	15.42	Metric Tonne		Either indi. or total production of this group sr.no. 13&14 shall not exceed 185 MT/Annum
14	HETROCYCLIC (PYRIMIDINE/ PYRIDINE/ TRIAZINE):- FLUAZINAM (F), FENPYROXIMATE TECH. (I), METRIBUZIN (H), AMITRAZ (I), CLOFENTEZINE (I), MMMT (INT.)-(2-METHOXY-4-METHYL-6-METHYLAMINO-1,3,5-TRIAZINE, METOXYFENOZIDE (I), FENCHLORIM (SF), 2-HYDROXY-3,5,6-TRICHLOROPYRIDINE & ITS SODIUM SALT (INT. OF CHLORPYRIPHOS) ETC.	15.42	15.42	15.42	Metric Tonne		Either indi. or total production of this group sr.no. 13&14 shall not exceed 185 MT/Annum

Outward No: 419991, 10/08/2018

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Paryavaran Bhavan, Sector-10/A, Gandhinagar - 382010

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Sr	Products	CTE Qty	Applied CCA Qty	Granted CCA Qty	Unit Per Mth	CAS No.	Remarks
15	UREA / SULPHONYL UREAS:- CHLORIMURON-ET TECH. (H), BUPROFEZIN TECH. (I), INDOXACARB (I), NOVALURON (I), LUFENURON (I), DIAFENTHIURON (I), AMICARBAZONE (H), FLUCARBAZONE (H), THIADIAZURON (PGR), HEXYTHIAZOX (I), LINURON (H), DIURON (H), TEFLUTHRIN (I), METSULFURON-METHYL (H).	18.75	18.75	18.75	Metric Tonne		Either indi. or total production of this group sr.no. 15&16 shall not exceed 225 MT/Annum
16	UREA / SULPHONYL UREAS:- THIFENSULFURON-METHYL (H), TRIBURON-METHYL (H), RIMSULFURON (H), IODOSULFURON (H), DIAMURON (H), CHLORSULFURON (H), PYRAZOLESULFURON (H), PYRAZOLESULFURON-ETHYL (H) ETC.	18.75	18.75	18.75	Metric Tonne		Either indi. or total production of this group sr.no. 15&16 shall not exceed 225 MT/Annum

#### SPECIFIC CONDITIONS

(1) Unit shall not manufacture any product which generated hazardous waste like ammonium sulphate / ammonium solution / sodium chloride / sodium sulphate / potassium chloride / potassium sulphate / acetic acid / sodium acetate etc till unit make any MoU with end user who is having permission under rule 9 & authorisation to receive this waste. Unit shall also submit MoU copies to Board.

#### OTHER CONDITIONS

1.All the efforts shall be made to send hazardous waste to cement industry for Co- processing first & there after it shall be disposed through other options.

2.Unit shall follow spent solvent management guideline framed by the Board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.

Outward No: 419991, 10/08/2017

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# Six Monthly EC Compliance Report



## GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan, Sector-10/A, Gandhinagar - 382010

Phone: (079)23226295, Fax: (079)23232156

Website: www.gpcb.gov.in

### 3. CONDITION UNDER THE WATER ACT:

#### SPECIFIC CONDITION

1. Mother liquor 21.19 m<sup>3</sup>/ day shall be incinerated to common incineration facility at BEIL or SEPPL or GSPL, Palsana and / or co- processing in cement industries.

3.1 The quantity of total water consumption shall not exceed 315.00 KL/Day as per below break up as mentioned in form D submitted for consent application under the Water Act- 1974.

- a) Industrial: 265.00 KL/Day
- b) Domestic: 50.00 KL/Day

3.2 The quantity of total waste water generation shall not exceed 119.11 KL / Day as per below break up as mentioned in form D submitted for consent application under the Water Act- 1974.

- a) Industrial: 85.91 KL/Day
- b) Domestic: 33.20 KL/Day

3.3 Sewage shall be disposed off through septic tank/soak pit system or shall be treated separately in Sewage Treatment Plant (STP) to conform the following standards and treated sewage shall be utilized on land for irrigation / plantation.

Sr. No.	PARAMETERS	PERMISSIBLE LIMIT
1	Biochemical Oxygen Demand, BOD <sub>5</sub> , 27° C	Less than 20 mg/L
2	Total Suspended Solids	Less than 30 mg/L
3	Total Residual Chlorine	Minimum 0.5 ppm

Or Sewage shall be treated in ETP along with Industrial effluent and discharged into GIDC underground drainage system and conveyed to FETP (NCTL).

3.4 The quality of industrial effluent shall conform to the following standards(as per GPCB norms, whichever is applicable)

SR No.	PARAMETERS	PERMISSIBLE LIMIT
1	pH	6.5 to 8.5
2	Temperature	40 C
3	Colour (pt.co.scale)	100 units
4	Total Suspended Solids (TSS)	150 mg/l
5	Total Dissolved Solids (TDS)	10000 mg/l
6	Biochemical Oxygen Demand, BOD <sub>5</sub> , 27 C	200 mg/l
7	Chemical Oxygen Demand (COD)	1000 mg/l
8	Oil and Grease( O & G)	10 mg/l
9	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	5 mg/l
10	Sulphide (as S)	5 mg/l
11	Ammonical Nitrogen (as N)	50 mg/l
12	Total Kjeldahl Nitrogen (as N)	50 mg/l
13	Phosphate (as P)	5 mg/l
14	Chlorides (as Cl)	1000 mg/l
15	Sulphates (as SO <sub>4</sub> )	1000 mg/l
16	Cyanide (as CN)	0.2 mg/l

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## Six Monthly EC Compliance Report



### GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan, Sector-10/A, Gandhinagar - 382010

Phone: (079)23226295 , Fax: (079)23232156

Website: www.gpcb.gov.in

17	Fluoride (as F)	15 mg/l
18	Hexavalent Chromium (as Cr <sup>+6</sup> )	0.1 mg/l
19	Total Chromium (as Cr)	2 mg/l
20	Copper (as Cu)	3 mg/l
21	Nickel (as Ni)	3 mg/l
22	Zinc (as Zn)	15 mg/l
23	Iron (as Fe)	3 mg/l
24	Manganese (as Mn)	2 mg/l
25	Mercury (as Hg)	0.01 mg/l
26	Lead (as Pb)	0.1 mg/l
27	Arsenic (as As)	0.2 mg/l
28	Venedium (as V)	0.2 mg/l
29	Cadmium (as Cd)	0.05 mg/l
30	Selenium (as Se)	0.05 mg/l
31	Bio-assay test	90 % Survival of fish after 96 hours in 100 % effluent
32	Insecticides/ Pesticides	Absent

3.5 The effluent conforming to the above standards shall be discharged into G.I.D.C. underground drainage system and conveyed to FETP (NCTL) which ultimately leads to deep sea for final disposal through pipeline.

3.6 Unit shall be required to make storage facilities to store the effluent for at least 72 hours by providing acid proof brick lined impervious tanks / HDPE tanks.

3.7 In case of shut - down of plant for more than three (3) days for any reason, the NCTL unit member shall intimate to NCTL authority & GPCB well in advance for the better operation & management of CETP.

3.8 Unit shall make fixed arrangement for discharge of the effluent from their Final collection tanks to the underground drainage network of NCTL. Unit shall not keep any by-pass line or system or loose or flexible pipe line for discharge of the effluent into underground drainage network of NCTL.

3.9 Magnetic flow meters shall be installed at the inlet & outlet of effluent collection tanks / ETP to measure the quantity of effluent discharged into the underground drainage network of NCTL.

3.10 Unit shall affix of water meters as per Section 4 (1) of the water (Prevention and Control of Pollution) Cess Act -1977 for the purpose of measuring and recording the quantity of water consumed at such places as may be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the unit until the contrary is proved.

3.11 Unit shall provide adequate / safe effluent sampling facility for the effluent being stored in final collection / discharge tank of ETP or being discharged into CETP.

3.12 Unit shall put up at the entrance a board displaying the name of unit, particulars of the products/ process, the name of proprietor / partners / directors of the unit, NCTL membership number & date of joining of NCTL, the electricity consumer number as on the record of DGVCL.

3.13 Unit shall have to display on - line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.

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# Six Monthly EC Compliance Report



## GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan, Sector-10/A, Gandhinagar - 382010

Phone: (079)23226295 , Fax: (079)23232156

Website: [www.gpcb.gov.in](http://www.gpcb.gov.in)

- 3.14 Unit shall either stop or curtail its production activities if the effluent is not adequately treated by the FETP of NCTL to conform to the standards specified by GPCB.
- 3.15 The authorized representative of NCTL shall have right of entry at any time for the purpose of inspection and monitoring the effluent collection facilities / ETP (if required) of Unit.
- 3.16 Unit shall have to keep accurate records of quality & quantity of effluent discharged to FETP on day-to-day basis. Separate logbook shall be maintained for recording the data & shall be made available for inspection as & when asked.
- 3.17 Unit shall keep accurate records of quantity of production of each product, quantity of water consumption ,quantity of effluent generated and consumption of electricity on day to day basis and required to submit the compiled record of each month to GPCB on or before fifth day of the succeeding month.
- 3.18 In case of incinerators or MEE, the flow measuring devices for mother liquor/ toxic effluent / Non-biodegradable effluent, light diesel oil, Furnace oil, etc. i.e. fuel used for combustion, air used for combustion shall be separately provided. Incinerator temperature recording devices as well as gaseous flow measuring devices for scrubber shall also be provided. These data of temperature & flow should be recorded every day & submitted to GPCB on monthly basis.
- 3.19 Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.
- 3.20 Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be treated along with industrial effluent and final treated effluent shall be discharged to the CETP of NCTL.
- 3.21 If the NCTL authority terminates the membership of CETP, the NCTL member unit shall have to close down the manufacturing activities / industrial operation of the process plant immediately until the NCTL membership is resumed.
- 3.22 The Environmental Management Unit / Cell shall be setup to ensure implementation on and monitoring of environment safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell / Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issues. These Cells also coordinate the exercise of environmental audit and preparation of environmental statements.
- 3.23 The Environmental audit shall be carryout yearly, if applicable. The environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year.
- 3.24 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.
- 3.25 In case of change of ownership / management the name and address of the new ownership / partners/ directors/ proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form / order should immediately be intimated to this Board.
- 3.26 The Board reserves the right to review and/or revoke the consent and / or make modifications in the conditions which it seems fit in accordance with provisions of Water Act - 1974.

#### 4.CONDITIONS UNDER THE AIR ACT:

- 4.1 Unit shall use fuel as specified in this consent and the flue gas emission through stack shall conform to the following standards:

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## Six Monthly EC Compliance Report



### GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan, Sector-10/A, Gandhinagar - 382010

Phone: (079)23226295, Fax: (079)23232156

Website: www.gpcb.gov.in

Sr. No.	Stack ID / Stack attached to	Capacity / Remarks	Name of Fuel	Quantity of Fuel	Air Pollution Control Measure (APCM)	Stack Height in Mt. (From G.L.)	Parameter	Perm. limit	Unit
1	41726 - Boiler	WHRB -Captive Power Plant	NATURAL GAS	5500 Sm <sup>3</sup> /day	Not Applicable	30	PM SO <sub>2</sub> NOX	150 100 50	mg/ Nm <sup>3</sup> PPM PPM
2	8820 - Boiler	Boiler (Capacity - 10 TPH & 5 TPH)	NATURAL GAS	7000 Sm <sup>3</sup> /day or FO: 4000 Kg/day	Not Applicable	30	PM SO <sub>2</sub> NOX	150 100 50	mg/ Nm <sup>3</sup> PPM PPM
3	8822 - D.G. Sets	D.G.Set (Cap. 1250 KVA)	H.S.D	2160 Lit/day	Not Applicable	11	PM SO <sub>2</sub> NOX	150 100 50	mg/ Nm <sup>3</sup> PPM PPM
4	8823 - Incinerator	Common vent of New & Old Incinerator with Two stage caustic scrubbing system	NATURAL GAS	3000 Sm <sup>3</sup> /day	Alkali Scrubber	45	Parameter as Mentioned Below		

Treated flue gas emissions discharge through stack of Incinerator to atmosphere shall always be less than or equal to the following parameter-specific emission standards:

Parameter	Emission Standard	Sampling Duration
Cd + Th + their compounds	0.05 mg/Nm <sup>3</sup>	Sampling time anywhere between 30 minutes and 8 hours.
CO	100 mg/Nm <sup>3</sup>	30 Minutes
CO	50 mg/Nm <sup>3</sup>	Standard refers to daily average value
HCl	50 mg/Nm <sup>3</sup>	30 Minutes
HF	4 mg/Nm <sup>3</sup>	30 Minutes
Hg and its compounds	0.05 mg/Nm <sup>3</sup>	Sampling time anywhere between 30 minutes and 8 hours.
NOX (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	400 mg/Nm <sup>3</sup>	30 Minutes
Particulates	50 mg/Nm <sup>3</sup>	30 Minutes
Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds	0.5 mg/Nm <sup>3</sup>	Sampling time anywhere between 30 minutes and 8 hours.
SO <sub>2</sub>	200 mg/Nm <sup>3</sup>	30 Minutes
Total dioxins and furans	0.1 ng TEQ/Nm <sup>3</sup>	6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence.
Total Organic Carbon	20 mg/Nm <sup>3</sup>	30 Minutes

**Note: All values of outlet parameters of Incinerator shall be corrected to 11% oxygen on a dry basis.**

4.2 The Process emission through various stacks / vent of reactors, process, vessel shall conform to the following standards:

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# Six Monthly EC Compliance Report



## GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan, Sector-10/A, Gandhinagar - 382010

Phone: (079)23226295 , Fax: (079)23232156

Website: www.gpcb.gov.in

Sr. No	Stack ID / Stack attached to	Name of Process / Plant	Air Pollution Control Measure (APCM)	Stack Height in Mt. (From G.L.)	Parameter & Permissible limit
1	43940 - Reaction Vessels	Reaction vessel of AZOXY Plant with Caustic scrubbing system	Alkali Scrubber	25	HCL- 20 mg/ Nm <sup>3</sup> Chlorine- 09 mg/ Nm <sup>3</sup>
2	43939 - Reaction Vessels	Reaction vessel of ACP Plant with Ozone treatment followed by Hypo scrubber & Carbon bed	Scrubber	25	HCL- 20 mg/ Nm <sup>3</sup> Chlorine- 09 mg/ Nm <sup>3</sup>

4.3 The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.

Sr. No.	Parameters	Permissible Limit (microgram /m3)	
		Annual	24 Hours Average
1.	Particulate Matter (PM10 )	60	100
2.	Particulate Matter (PM2.5 )	40	60
3.	Oxides of Sulphur (SO <sub>x</sub> )	50	80
4.	Oxides of Nitrogen (NO <sub>x</sub> )	40	80

a. Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

b. 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

4.4 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.

4.5 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.

4.6 Unit shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to / and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2 , etc. and these shall be painted / displayed to facilitate identification.

4.7 Unit shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

4.8 All efforts shall be made to control VOC emissions and odor problem, if any.

### 5. AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6(2))

5.1 Number of authorization: AWH-87335 date of Issue 25/07/2017 .

5.2 M/s: Cheminova (India) Ltd. (Tech. Div.) is granted an authorization to operate facility for following hazardous wastes on the situated at PLOT NO: 241 GIDC ESTATE Panoli DIST: Bharuch.

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## Six Monthly EC Compliance Report



### GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan, Sector-10/A, Gandhinagar - 382010

Phone: (079)23226295 , Fax: (079)23232156

Website: www.gpcb.gov.in

Sr	Name of Hazardous Waste	Sch	Catg.	Qty MT/Year	Facility	Mode of Disposal & Remarks
1	Spent Solvents	I	20.2	500.00	Co-Processing,Collection,Re-Cycling,Incineration,Disposal,Reuse,Recovery,Storage,Transportation	Spent Solvent (MDC,EA,ACETONE etc) Recover & Reuse within industrial unit OR incineration to CHWIF at BEIL/ SEPPL/ own incinerator OR Disposal by sell out to authorized users having rule 9 & authori.
2	Spent Solvents	I	20.2	1200.00	Co-Processing,Collection,Re-Cycling,Incineration,Disposal,Reuse,Recovery,Storage,Transportation	STRIPPED SOLVENT FROM STRIPPER: Recover & Reuse within industrial unit OR incineration to CHWIF at BEIL/ SEPPL/ own incinerator OR Disposal by sell out to authorized users having rule 9 & authori.
3	Process wastes or residues	I	29.1	2311.00	Co-Processing,Collection,Generation,Incineration,Disposal,Storage,Transportation	PROCESS WASTE: 2160 MT/Year of Tech. Div. + 151 MT/Year of Fml. Div. Sister Unit): Disposal to common CHWIF facility BEIL/ SEPPL/ GSPL Palsana/ RSPL/ Co-processing in cement industries
4	Spent acids	I	29.6	16524.00	Collection,Disposal,Storage,Transportation	Acetic acid /Sodium Acetate /Organic by-products etc.: Disposal by sell out to authorized users who is having authorization with valid CCA and rule 9 permission to receive this waste.
5	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	I	33.1	362.11	Collection,Decontamination,Generation,Disposal,Reuse,Storage,Transportation	Disposal by send it to authorized decontamination facility / recycler or reuse or send back to supplier or send it to common TSDF/ CHWIF facility at BEIL/SEPPL
6	Chemical sludge from waste water treatment	I	35.3	305.00	Collection,Disposal,Storage,Transportation	Chemical sludge from waste water treatment includes ETP sludge (305 MT/Year): Disposal at TSDF – BEIL/ SEPPL
7	Chemical sludge from waste water treatment	I	35.3	1525.00	Collection,Disposal,Storage,Transportation	Evaporation Salt (1525MT/Year) : Disposal at TSDF – BEIL/ SEPPL
8	Ash from incinerator and flue gas cleaning residue	I	37.2	720.00	Collection,Disposal,Storage,Transportation	INCINERATOR ASH: Disposal to common TSDF facility BEIL/ SEPPL
9	Used or Spent Oil	I	5.1	0.36	Collection,Disposal,Reuse,Storage,Transportation	Disposal by Reuse in plant & machinery as lubricant or sell it to authorized re-refiners / recycler.
10	Salts Of Per-Acids	II	B36	18864.00	Collection,Disposal,Storage,Transportation	Ammonium Sulphate / Ammonia Solution / Sodium chloride / Sodium sulfate / Potassium chloride / Potassium sulfate: Disposal by sell out to authorized users having rule 9 & authorisation in valid CCA

5.3 The authorization is granted to operate a facility as above.

5.4 The authorization shall be in force for a period up to 16/04/2022.

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# Six Monthly EC Compliance Report



GPCB

## GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan, Sector-10/A, Gandhinagar - 382010

Phone: (079)23226295, Fax: (079)23232156

Website: [www.gpcb.gov.in](http://www.gpcb.gov.in)

5.5 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act - 1986.

### 6 TERMS AND CONDITIONS OF AUTHORISATION:

- 6.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 6.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Gujarat Pollution Control Board.
- 6.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- 6.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- 6.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 6.6 The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- 6.7 It is the duty of the authorised person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- 6.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 6.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 6.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- 6.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if, any.
- 6.12 An application for the renewal of an authorisation shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules - 2016.
- 6.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 6.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 6.15 Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14th October 2003.

For and on behalf of  
GUJARAT POLLUTION CONTROL BOARD

*D. M. Thaker*  
D. M. Thaker, Unit Head

Clean Gujarat Green Gujarat  
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## Six Monthly EC Compliance Report

EC to CTE Copy



### GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN  
Sector-10-A, Gandhinagar 382010  
Phone : (079) 23222425  
(079) 23222152  
Fax : (079) 23232156  
Website : www.gpcb.gov.in

### Application For CTE after EC

File No : GPCB/ (PCB ID. - 15015)

To,  
M/s. Cheminova (India) Ltd. (Tech. Div.),  
241, . . .  
City : Panoli,  
Dist : Ankleshwar,  
Taluka : Ankleshwar

Sub: Consent to Establish (After obtaining Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981.

Ref: (1) Your online application No. 176061 dated 07/05/2020

(1) Environment Clearance issued by Central Authority vide their letter no. IA-J-11011/85/2018-IA-II(I) Dated 25/11/2019

Sir,

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants **Consent to Establish (After obtaining Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981** for manufacturing of products as mentioned into the Environment Clearance (EC) granted vide letter under reference no (2) above.

#### Consent To Establish Is Granted Subject To The Following Conditions: -

- 1) The validity period of this CTE shall be Seven Years from the issue of this order.
- 2) Applicant shall strictly comply with all conditions stipulated by competent authority in the order of Environment Clearance issued vide letter under reference No. : 2 above.
- 3) The applicant shall however, not without the prior concern of the Board. Bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the water Act - 1974, the Air - 1981 and the Environment (Protection) Act - 1986.

For and on behalf of  
Gujarat Pollution Control Board

  
R.R.Vyas  
ROH Head - Ankleshwar

- This order is issued to 241, . . . City : Panoli, Dist : Ankleshwar, Taluka : Ankleshwar (15015) for CTE amendment after obtaining EC.

Printed On : 03/06/2020

Page 1 of 1

GPCB ID : 15015

### **Specific Conditions along with EC to CTE order**

- 1) You shall maintain ZLD for entire project and surrender the membership alongwith physical connection of treated wastewater discharge to NCT
- 2) Comply with all provisions prevailing Dual discharge policy of the Board for Ankleshwar & Panoli Regions.
- 3) All other conditions mentioned in the EC granted to the unit shall be complied with.
- 4) MoUs shall be done with the actual users to whom all the Haz. Wastes are proposed to be sent. The actual user must have valid CCA of the Board and also shall have obtained permission under rule 9 of the Hazardous waste rules-2016.
- 5) Since your industry is located in critically polluted area, stringent environmental norms as per the NGT orders, shall be applicable

# Six Monthly EC Compliance Report

## Annexure 4 -Annual return- Form- 4 (2020-2021)



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

Date – 5<sup>th</sup> June 2021

Ref No. CHEMINOVA/INTER/06/05/2021/01

PCB ID -15016

To  
Member Secretary  
GUJARAT POLLUTION CONTROL BOARD  
PARYAVARAN BHAWAN  
SECTOR 10 –A, GANDHINAGAR – 382043.

Subject: Submission of Annual returns (Form –4)

Respected Sir,

We hereby declare that we have sent hazardous waste to different facilities during the period of April -2020 to March 2021 as per the Authorization for "The Hazardous and Other waste (Management & Transboundary Movement) Rule 2016.

This is as per the requirement of Rule – [ 6(5), 13(8),16(6) and 20 (2)].

We have uploaded the attached Form -IV at. xgn site. The hard copies are enclosed with this letter.

Thanking You,

For CHEMINOVA INDIA LTD.



*ASL*  
AUTHORISED SIGNATORY

Encl: As above

CC: Regional Office, Ankleshwar.

Enc. Form -4



## Six Monthly EC Compliance Report

PART-A

Year -2020-21

PCB ID- 15016

1	Total Quantity of Category wise waste generated category wise	Hazardous waste generation	Category	Quantity Generated (in MT)
		1. Chemical sludge from wastewater treatment (ETP Sludge)	35.3	1234.000
		2. Used or spent oil	5.1	0.950
		3. Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes (a) Non-Recyclable Plastic / Contaminated liners, bags (b) Insulation waste (c) Asbestos sheet (d) Discarded containers/Drum/ packing etc	33.1	22.535 4.620 6.860 92.195  Total Qty.= 126.21
		4. Process waste or Residue (a) For Incineration (b) For Co-process	29.1 29.1	524.000
		5. Process waste or Residue (Solid waste / Evaporation Salt)	29.1	Nil
		6. Total Sulphur	B37	14.000
		7. Battery		183 Nos. Total weight of all batt. -2.089 MT

2



## Six Monthly EC Compliance Report

PART-A

Year -2020-21

PCB ID- 15016

2	Total Quantity of Category wise waste Disposed	Hazardous waste	Category	To Disposal Facility TSDF/CHWIF (in MT)	To Recycler/Co-processors (in MT)	To Others/Recycler (in MT)	Remarks (Details enclose as)
		1. Chemical sludge from wastewater treatment (ETP Sludge)	35.3	1147.975	Nil	Nil	ANNEXURE- A
		2. Used or spent oil	5.1	Nil	0.950	Nil	ANNEXURE- B
		3. Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes (a) Non-Recyclable Plastic / Contaminated liners, bags (b) Insulation waste (c) Asbestos sheet (d) Discarded containers/Drum/ liner	33.1	21.395 4.620 6.860 Total Qty.=32.875		92.195	ANNEXURE- C
		4. Process waste or Residue (a) For Incineration (b) For Co-process	29.1 29.1	(a) 314.425	(b) 206.430	Nil	ANNEXURE- D
		5. Process waste or Residue (Solid waste / Evaporation Salt)	29.1	Nil	Nil	Nil	Nil
		6. Total Sulphur	B37	11.615	Nil	Nil	ANNEXURE- E
		7. Battery		Nil	Nil	183 Nos. Total weight of all batt. – 2.089 MT	ANNEXURE- F
3	Quantity utilized in-house		NIL				

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## Six Monthly EC Compliance Report

PART-A

Year -2020-21

PCB ID- 15016

4	Total Quantity of Category wise waste storage at the end of the year	Hazardous waste	Category	Quantity (in MT)
		1. Chemical sludge from waste water treatment (ETP Sludge)	35.3	105.715
		2. Used or spent oil	5.1	Nil
		3. Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes (e) Non-Recyclable Plastic / Contaminated liners, bags (f) Insulation waste (g) Asbestos sheet (h) Discarded containers/Drum/ liner	33.1	2.135 Nil Nil Nil Total Qty.= 2.135
		4. Process waste or Residue (c) For Incineration (d) For Co-process	29.1 29.1	15.757
		5. Process waste or Residue (Solid waste / Evaporation Salt)	29.1	Nil
		6. Total Sulphur	B37	8.385
		7. Battery		Nil



# Six Monthly EC Compliance Report

PCB ID- 15016

PART-A

HAZARDOUS WASTE DISPOSAL DETAILS

ANNEXURE- A

(1) Chemical sludge from wastewater treatment (ETP Sludge) Cat- 35.3

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Apr-20	7-Apr-20	1058690	24.000	Detox
	14-Apr-20	1059977	19.325	Detox
	22-Apr-20	1062042	26.145	Detox
May-20	2-May-20	1065758	24.04	Detox
	9-May-20	1068717	18.535	Detox
	15-May-20	1071406	20.775	Detox
Jun-20	25-May-20	1076813	23.48	Detox
	1-Jun-20	1081369	22.685	Detox
	5-Jun-20	1083627	19.24	Detox
Sep-20	8-Jun-20	1084976	24.15	Detox
	11-Jun-20	1086736	20.02	Detox
	25-Sep-20	1138488	23.73	Detox
Oct-20	25-Sep-20	1138481	24.41	Detox
	03-Oct-20	1143627	22.820	Detox
	03-Oct-20	1143677	22.130	Detox
Nov-20	03-Oct-20	1143722	25.390	Detox
	08-Oct-20	1147063	34.770	Detox
	10-Oct-20	1148527	22.935	Detox
Dec-20	13-Oct-20	1150831	33.870	Detox
	14-Oct-20	1151656	23.510	Detox
	17-Oct-20	1154304	26.585	Detox
Jan-21	26-Oct-20	1161129	29.090	Detox
	05-Nov-20	1170277	25.555	Detox
	10-Nov-20	1174325	22.67	Detox
Feb-21	11-Nov-20	1175217	25.605	Detox
	19-Nov-20	1178911	23.4	Detox
	21-Nov-20	1180403	28.175	Detox
Mar-21	7-Dec-20	1193866	20.970	Detox
	8-Dec-20	1194767	19.255	Detox
	17-Dec-20	1201368	25.450	Detox
Apr-21	18-Dec-20	1202156	23.740	Detox
	24-Dec-20	1207469	24.205	Detox
	6-Jan-21	1218365	25.120	Detox
May-21	7-Jan-21	1219239	25.640	Detox
	9-Jan-21	1221422	21.595	Detox
	26-Jan-21	1234425	19.810	Detox
Jun-21	30-Jan-21	1238172	23.155	Detox
	5-Feb-21	1243646	23.265	Detox
	11-Feb-21	1249787	23.235	Detox
Jul-21	13-Feb-21	1251825	20.23	BEIL
	15-Feb-21	1253323	25.81	Detox
	17-Feb-21	1255442	22.225	Detox
Aug-21	23-Feb-21	1261301	20.08	Detox



# Six Monthly EC Compliance Report

PCB ID- 15016

## PART-A

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Mar-21	8-Mar-21	1272061	12.23	BEIL
	8-Mar-21	1272062	13.43	BEIL
	12-Mar-21	1275505	14.535	BEIL
	12-Mar-21	1275614	13.57	BEIL
	24-Mar-21	1285602	12.85	BEIL
	24-Mar-21	1285567	13.6	BEIL
	28-Mar-21	1289195	16.335	BEIL
	28-Mar-21	1289171	15.905	BEIL
	31-Mar-21	1290487	14.695	BEIL
<b>TOTAL QUANTITY (In MT)</b>			<b>1147.975</b>	

## ANNEXURE- B

(2) Used or spent oil Cat-5.1

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to Refiners
Feb-21	18-Feb-21	1256329	0.950	ABC Organic & Chemicals
<b>TOTAL QUANTITY (In MT)</b>			<b>0.950</b>	

## ANNEXURE- C

(3) Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes Cat -33.1  
(a) Non-Recyclable Plastic /Contaminated liners, bags (Land Filling)

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Apr-20	12-Apr-20	1059529	1.46	BEIL
Oct-20	13-Oct-20	1151032	1.245	BEIL
	15-Oct-20	1152810	1.675	BEIL
	19-Oct-20	1155588	2.225	BEIL
	20-Oct-20	1156103	1.965	BEIL
	23-Oct-20	1158934	1.335	BEIL
	28-Oct-20	1162484	1.635	BEIL
Nov-20	18-Nov-20	1178238	1.255	BEIL
	23-Nov-20	1181721	0.73	BEIL
Feb-21	9-Feb-21	1247604	1.56	BEIL
	9-Feb-21	1247586	1.41	BEIL
	12-Feb-21	1250919	1.395	BEIL
Mar-21	4-Mar-21	1269016	1.4	BEIL
	22-Mar-21	1283862	1.23	BEIL
	31-Mar-21	12900692	0.875	BEIL
<b>Sub TOTAL QUANTITY (In MT)</b>			<b>21.395</b>	



# Six Monthly EC Compliance Report

PCB ID- 15016

## PART-A

(3) Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes Cat -33.1  
(b) Insulation waste (Land Filling)

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Oct-20	22-Oct-20	1158010	1.435	BEIL
	24-Oct-20	1159753	0.900	BEIL
Nov-20	03-Nov-20	1168315	0.770	BEIL
Feb-21	13-Feb-21	1251909	0.825	BEIL
Mar-21	4-Mar-21	1269062	0.690	BEIL
<b>TOTAL QUANTITY (In MT)</b>			<b>4.620</b>	

(3) Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes Cat -33.1  
(c) Asbestos sheet (Land Filling)

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Feb-21	23-Feb-21	1261356	2.510	BEIL
	23-Feb-21	1261095	2.550	BEIL
Mar-21	2-Mar-21	1267633	1.800	BEIL
<b>TOTAL QUANTITY (In MT)</b>			<b>6.860</b>	

(3) Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes Cat -33.1  
(d) Empty Container , Drums/Bag / Liner -

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Jun-20	11-Jun-20	1086669	1.175	Anas Green
	13-Jun-20	1087740	1.170	Anas Green
Jul-20	23-Jun-20	1092286	1.160	Anas Green
	9-Jul-20	1099839	1.160	Anas Green
Aug-20	28-Jul-20	1109159	1.180	Anas Green
	14-Aug-20	1117181	1.095	Anas Green
Sep-20	19-Aug-20	1119273	1.165	Anas Green
	3-Sep-20	1126386	1.180	Anas Green
Oct-20	5-Sep-20	1127452	1.175	Anas Green
	7-Sep-20	1128328	1.160	Anas Green
Nov-20	22-Sep-20	1136715	1.070	Anas Green
	26-Sep-20	1139033	1.060	Anas Green
Dec-20	28-Sep-20	1139906	1.200	Anas Green
	16-Oct-20	1153423	1.135	Anas Green
Jan-21	21-Oct-20	1157122	1.105	Anas Green
	12-Dec-20	1197885	5.100	Anas Green
Feb-21	23-Dec-20	1206514	2.540	BBS
	23-Dec-20	1206508	0.955	BBS
Mar-21	24-Dec-20	1207337	1.335	BBS
	24-Dec-20	1207490	1.320	BBS
Apr-21	24-Dec-20	1207487	2.585	BBS
	25-Dec-20	1208321	2.390	BBS
May-21	25-Dec-20	1208316	2.405	BBS



# Six Monthly EC Compliance Report

PCB ID- 15016

## PART-A

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
	28-Dec-20	1210745	2.395	BBS
	28-Dec-20	1210752	2.445	BBS
<b>Jan-21</b>	4-Jan-21	1216535	1.320	BBS
	4-Jan-21	1216538	1.190	BBS
	5-Jan-21	1217315	1.345	BBS
	5-Jan-21	1217311	1.330	BBS
	6-Jan-21	1218339	1.325	BBS
	6-Jan-21	1218342	2.550	BBS
	8-Jan-21	1220343	0.890	BBS
	9-Jan-21	1221107	0.825	BBS
	12-Jan-21	1223217	2.530	BBS
	13-Jan-21	1224427	1.350	BBS
	18-Jan-21	1227312	1.340	BBS
	20-Jan-21	1229546	2.220	BBS
	21-Jan-21	1230368	0.845	BBS
	23-Jan-21	1232268	1.355	BBS
	25-Jan-21	1233509	1.500	BBS
<b>Feb-21</b>	3-Feb-21	1241758	2.675	BBS
	3-Feb-21	1241761	0.920	BBS
	9-Feb-21	1247422	1.330	BBS
	15-Feb-21	1253223	2.480	BBS
	17-Feb-21	1255246	1.310	BBS
	17-Feb-21	1255237	2.170	BBS
<b>Mar-21</b>	1-Mar-21	1266421	1.335	BBS
	1-Mar-21	1266616	1.335	BBS
	2-Mar-21	1267424	2.605	BBS
	6-Mar-21	1270819	1.395	BBS
	12-Mar-21	1275754	2.825	BBS
	15-Mar-21	1277949	1.380	BBS
	17-Mar-21	1279879	1.145	BBS
	22-Mar-21	1283883	1.905	BBS
	23-Mar-21	1285056	1.325	BBS
	27-Mar-21	1288579	2.035	BBS
	27-Mar-21	1288585	1.450	BBS
<b>TOTAL QUANTITY (In MT)</b>			<b>92.195</b>	



# Six Monthly EC Compliance Report

PART-A

PCB ID- 15016

ANNEXURE-D

4 Process waste or Residue Cat -29.1

(a) For Incineration

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
May-20	1-May-20	1065401	7.740	BEIL
	28-May-20	1078899	9.910	BEIL
Jun-20	12-Jun-20	1087551	8.725	BEIL
Jul-20	11-Jul-20	1100881	9.675	BEIL
Aug-20	1-Aug-20	1111589	10.135	BEIL
	10-Aug-20	1115572	11.520	BEIL
	18-Aug-20	1118784	10.440	BEIL
	26-Aug-20	1122684	10.315	BEIL
	31-Aug-20	1124810	10.495	BEIL
Sep-20	10-Sep-20	1130502	10.865	BEIL
	18-Sep-20	1134886	10.970	BEIL
	28-Sep-20	1140309	10.035	BEIL
Oct-20	14-Oct-20	1151394	9.165	BEIL
Nov-20	19-Nov-20	1179082	9.860	BEIL
Dec-20	15-Dec-20	1199573	10.260	BEIL
	16-Dec-20	1200339	10.835	BEIL
	17-Dec-20	1201189	9.830	BEIL
	23-Dec-20	1206469	11.425	SEPPL
	24-Dec-20	1207907	9.780	SEPPL
	26-Dec-20	1209780	11.330	SEPPL
	29-Dec-20	1212160	9.030	SEPPL
Jan-21	11-Jan-21	1222199	11.835	SEPPL
	15-Jan-21	1225436	11.970	SEPPL
	22-Jan-21	1231721	11.485	SEPPL
	29-Jan-21	1237513	10.480	SEPPL
Feb-21	13-Feb-21	1251884	11.785	SEPPL
	17-Feb-21	1255216	9.100	SEPPL
Mar-21	1-Mar-21	1266256	11.095	SEPPL
	6-Mar-21	1271352	11.370	SEPPL
	17-Mar-21	1280138	0.790	SEPPL
	30-Mar-21	1290102	12.175	BEIL
<b>TOTAL QUANTITY (In MT)</b>			<b>314.425</b>	



# Six Monthly EC Compliance Report

PCB ID- 15016

**PART-A**

5 Process waste or Residue Cat -29.1

**(b) For Co-processing**

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Jun-20	26-Jun-20	1094059	10.125	RSPL
	29-Jun-20	1095209	8.115	RSPL
Jul-20	8-Jul-20	1099290	17.545	RSPL
	25-Jul-20	1107562	20.105	RSPL
Aug-20	6-Aug-20	1113465	11.700	RSPL
	29-Aug-20	1124187	8.260	RSPL
Sep-20	16-Sep-20	1133769	8.310	RSPL
	16-Sep-20	1134039	20.835	RSPL
	28-Sep-20	1140204	26.280	RSPL
Oct-20	03-Oct-20	1143437	9.035	RSPL
Nov-20	05-Nov-20	1170435	3.960	RSPL
Dec-20	8-Dec-20	1194963	8.420	RSPL
	21-Dec-20	1204822	8.960	RSPL
Jan-21	21-Jan-21	1230728	8.870	RSPL
	25-Jan-21	1233528	3.100	RSPL
Feb-21	27-Jan-21	1235377	4.315	RSPL
	4-Feb-21	1243254	8.155	RSPL
	18-Feb-21	1256502	8.385	RSPL
Mar-21	2-Mar-21	1267618	3.220	RSPL
	12-Mar-21	1275745	8.735	RSPL
<b>TOTAL QUANTITY (In MT)</b>			<b>206.430</b>	

**ANNEXURE-E**

6 Recovered Sulphur Cat -B-37

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
Apr-20	10-Apr-20	1059214	11.615	BEIL
<b>TOTAL QUANTITY (In MT)</b>			<b>11.615</b>	

**ANNEXURE-F**

7 Used battery

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
Oct-20	26-Oct-20	176881279	183 Nos. Total weight of all batt. – 2.089 MT	Green power solution
<b>TOTAL QUANTITY (In MT)</b>			<b>2.089 MT</b>	



## Six Monthly EC Compliance Report

Year -2020-21

PCB ID- 15016

**PART-A**  
**DETAILS OF BYPRODUCT (HAZARDOUS WASTE DISPOSED /TO END USERS)**

1	Total Quantity of Category wise waste generated category wise	Hazardous waste generation		
			Category	Quantity Generated (in MT)
		Sodium Hydro sulfide 30%	-	2705.228
		Hydrochloric Acid 30%	B-15	3546.771
		Phosphoric Acid	B-15	564.095
		Sodium Bisulphite Powder	-	1161.680
		Sodium Bisulphite Solution (30%)	-	3475.329

2	Total Quantity of Category wise waste Disposed	Hazardous waste generation		
			Category	Quantity Disposal (in MT)
		Sodium Hydro sulfide 30%	--	2758.190
		Hydrochloric Acid 30%	B-15	3564.520
		Phosphoric Acid	B-15	566.165
		Sodium Bisulphite Powder	-	1165.560
		Sodium Bisulphite Solution (30%)	-	3501.685

3	Total Quantity of Category wise waste storage at the end of the year	Hazardous waste generation		
			Category	Quantity (in MT)
		Sodium Hydro sulfide 30%	-	17.018
		Hydrochloric Acid 30%	B-15	27.329
		Phosphoric Acid	B-15	65.045
		Sodium Bisulphite Powder	-	16.320
		Sodium Bisulphite Solution (30%)	-	7.299



# Six Monthly EC Compliance Report

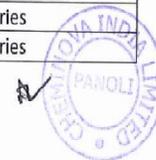
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PART-A

ANNEXURE-F

**1 Sodium Hydro sulfide 30%, Cat : Not Applicable**

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users	
Apr-20	3-Apr-20	1058043	17.725	Saga Chemie Pvt. Ltd	
	6-Apr-20	1058476	17.370	R.P.Industries	
	9-Apr-20	1059107	17.840	Saga Chemie Pvt. Ltd	
	13-Apr-20	1059779	18.070	Saga Chemie Pvt. Ltd	
	15-Apr-20	1060260	17.335	Saga Chemie Pvt. Ltd	
	20-Apr-20	1061588	18.335	Saga Chemie Pvt. Ltd	
	21-Apr-20	1061809	18.155	Saga Chemie Pvt. Ltd	
	23-Apr-20	1062411	18.320	R.P.Industries	
	25-Apr-20	1063117	18.600	Saga Chemie Pvt. Ltd	
	27-Apr-20	1063725	18.610	Saga Chemie Pvt. Ltd	
	29-Apr-20	1064692	18.735	Saga Chemie Pvt. Ltd	
	30-Apr-20	1065183	12.635	R.P.Industries	
	May-20	2-May-20	1065780	18.190	Raina Industries
		4-May-20	1066422	18.765	R.P.Industries
5-May-20		1067029	18.355	Raina Industries	
7-May-20		1067928	18.815	Sahyog Pharmachem Industries	
11-May-20		1069484	18.990	Raina Industries	
15-May-20		1071276	18.680	R.P.Industries	
18-May-20		1072679	18.525	Raina Industries	
20-May-20		1073792	18.375	Raina Industries	
22-May-20		1075145	18.640	Raina Industries	
26-May-20		1077277	18.910	Raina Industries	
28-May-20		1078692	18.170	Raina Industries	
30-May-20		1080061	13.955	Saga Chemie Pvt. Ltd	
Jun-20		2-Jun-20	1081953	8.475	Raina Industries
		5-Jun-20	1083503	12.430	R.P.Industries
	6-Jun-20	1084289	18.510	Raina Industries	
	9-Jun-20	1085707	18.210	Raina Industries	
	12-Jun-20	1087385	18.225	Raina Industries	
	15-Jun-20	1088396	18.795	Raina Industries	
	16-Jun-20	1089173	18.480	Jayvir Dye Chem	
	18-Jun-20	1090299	18.745	Raina Industries	
	22-Jun-20	1091989	18.620	Raina Industries	
	25-Jun-20	1093538	18.550	Saga Chemie Pvt. Ltd	
	26-Jun-20	1093934	18.605	Raina Industries	
	29-Jun-20	1095332	18.885	Saga Chemie Pvt. Ltd	
	30-Jun-20	1095845	18.455	Saga Chemie Pvt. Ltd	
	Jul-20	4-Jul-20	1097737	18.560	Raina Industries
6-Jul-20		1098543	15.325	R.P.Industries	
9-Jul-20		1099953	18.545	Raina Industries	
11-Jul-20		1100867	18.475	Raina Industries	
13-Jul-20		1101609	18.605	Saga Chemie Pvt. Ltd	
15-Jul-20		1102814	18.370	Saga Chemie Pvt. Ltd	
17-Jul-20		1103672	17.615	Ohm Dye Chem	
23-Jul-20		1106574	18.710	Jayvir Dye Chem	
25-Jul-20		1107899	17.235	Raina Industries	
27-Jul-20		1108485	17.865	Raina Industries	



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	29-Jul-20	1109778	18.140	Saga Chemie Pvt. Ltd
	31-Jul-20	1110911	18.350	Raina Industries
<b>Aug-20</b>	1-Aug-20	1111602	18.745	Jayvir Dye Chem
	5-Aug-20	1113107	18.380	Raina Industries
	7-Aug-20	1114213	10.930	Ohm Dye Chem
	8-Aug-20	1114745	18.370	Raina Industries
	11-Aug-20	1116079	18.435	Raina Industries
	13-Aug-20	1116821	18.510	Raina Industries
	17-Aug-20	1118345	18.500	Raina Industries
	19-Aug-20	1119429	18.570	Raina Industries
	21-Aug-20	1120426	18.410	Jayvir Dye Chem
	24-Aug-20	1121597	18.245	Raina Industries
	25-Aug-20	1122171	16.005	Saga Chemie Pvt. Ltd
	26-Aug-20	1122707	15.360	Raina Industries
	28-Aug-20	1123818	17.110	Raina Industries
	31-Aug-20	1124995	18.510	Raina Industries
<b>Sep-20</b>	2-Sep-20	1126043	18.215	Jayvir Dye Chem
	4-Sep-20	1127079	18.355	Ohm Dye Chem
	5-Sep-20	1127693	15.955	Raina Industries
	8-Sep-20	1129033	18.645	Raina Industries
	10-Sep-20	1130510	16.115	Raina Industries
	12-Sep-20	1131604	15.840	Raina Industries
	14-Sep-20	1132549	16.690	Jayvir Dye Chem
	17-Sep-20	1134430	18.690	Raina Industries
	21-Sep-20	1136136	18.455	Raina Industries
	22-Sep-20	1136843	17.630	Jayvir Dye Chem
	25-Sep-20	1138614	18.765	Raina Industries
	26-Sep-20	1139063	18.760	Sahyog Pharmachem Industries
	29-Sep-20	1140919	18.620	Raina Industries
<b>Oct-20</b>	1-Oct-20	1142199	17.170	Raina Industries
	9-Oct-20	1147884	18.490	Raina Industries
	10-Oct-20	1148725	18.255	Ohm Dye Chem
	12-Oct-20	1150100	18.575	Raina Industries
	13-Oct-20	1150931	15.690	Saga Chemie Pvt. Ltd
	16-Oct-20	1153732	15.390	Raina Industries
	19-Oct-20	1155551	18.465	Raina Industries
	22-Oct-20	1156509	18.685	Sahyog Pharmachem Industries
	24-Oct-20	1159717	18.655	Raina Industries
	26-Oct-20	1161000	18.705	Raina Industries
	27-Oct-20	1162140	18.785	Raina Industries
	29-Oct-20	1163837	18.615	Ohm Dye Chem
<b>Nov-20</b>	9-Nov-20	1173580	18.520	Jayvir Dye Chem
	10-Nov-20	1174377	15.175	Raina Industries
	11-Nov-20	1174516	19.250	Raina Industries
	12-Nov-20	1176366	18.890	Raina Industries
	13-Nov-20	1177010	18.365	Ohm Dye Chem
	14-Nov-20	1177009	16.015	R.P. Industries
	18-Nov-20	1178018	18.740	Raina Industries
	19-Nov-20	1179262	16.715	Raina Industries
	23-Nov-20	1181781	18.560	Sahyog Pharmachem Industries



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	26-Nov-20	1184421	16.730	Raina Industries
	30-Nov-20	1187540	13.215	Ohm Dye Chem
	30-Nov-20	1187545	18.625	R.P.Industries
<b>Dec-20</b>	4-Dec-20	1191146	18.290	R.P.Industries
	8-Dec-20	1194187	18.715	Raina Industries
	9-Dec-20	1195367	18.080	Sahyog Pharmachem Industries
	11-Dec-20	1197091	18.400	Raina Industries
	15-Dec-20	1199843	18.625	Raina Industries
	17-Dec-20	1201064	18.540	Raina Industries
	18-Dec-20	1202484	18.540	Jayvir Dye Chem
	21-Dec-20	1204691	18.640	Ohm Dye Chem
	22-Dec-20	1205754	18.545	Raina Industries
	25-Dec-20	1208305	18.720	Raina Industries
	26-Dec-20	1209524	18.800	Raina Industries
	29-Dec-20	1210758	18.690	Raina Industries
	31-Dec-20	1213276	18.570	Jayvir Dye Chem
<b>Jan-21</b>	2-Jan-21	1215257	18.450	R.P.Industries
	4-Jan-21	1215448	18.810	Sahyog Pharma Chem
	5-Jan-21	1217637	16.480	Saga Chemie Pvt. Ltd.
	7-Jan-21	1219185	18.630	Raina Industries
	11-Jan-21	1222597	18.270	Raina Industries
	11-Jan-21	1222636	16.150	Saga Chemie Pvt. Ltd.
	15-Jan-21	1225367	18.295	Raina Industries
	18-Jan-21	1227574	18.175	Raina Industries
	21-Jan-21	1230266	18.240	Saga Chemie Pvt. Ltd.
	21-Jan-21	1230441	16.775	Saga Chemie Pvt. Ltd.
	22-Jan-21	1231545	18.675	Raina Industries
	25-Jan-21	1233746	16.815	Saga Chemie Pvt. Ltd.
	26-Jan-21	1234140	18.840	R.P.Industries
	30-Jan-21	1238435	16.615	Saga Chemie Pvt. Ltd.
<b>Feb-21</b>	3-Feb-21	1242067	18.420	Sahyog Pharma Chem
	8-Feb-21	1246479	18.555	Raina Industries
	11-Feb-21	1250008	16.815	Saga Chemie Pvt. Ltd.
	12-Feb-21	1250516	18.790	Jayvir Dye Chem
	15-Feb-21	1253332	18.740	Raina Industries
	16-Feb-21	1254715	18.745	Dhruv Sales Corporation
	19-Feb-21	1257434	18.710	Dhruv Sales Corporation
	22-Feb-21	1260189	16.605	Saga Chemie Pvt. Ltd.
	23-Feb-21	1261293	18.700	R.P.Industries
	24-Feb-21	1262453	18.730	Raina Industries
	24-Feb-21	1262377	16.600	Saga Chemie Pvt. Ltd.
	25-Feb-21	1263470	18.785	Dhruv Sales Corporation
	26-Feb-21	1264367	12.465	R.P.Industries
	27-Feb-21	1265320	18.805	Jayvir Dye Chem
<b>Mar-21</b>	3-Mar-21	1268560	24.715	Dhruv Sales Corporation
	8-Mar-21	1272279	18.750	R.P.Industries
	8-Mar-21	1272754	23.655	Dhruv Sales Corporation
	10-Mar-21	1274153	18.620	Saga Chemie Pvt. Ltd.
	13-Mar-21	1276952	17.495	Dhruv Sales Corporation
	13-Mar-21	1276607	18.610	Jayvir Dye Chem



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	20-Mar-21	1282360	16.790	R.P.Industries
	22-Mar-21	1284170	17.330	Saga Chemie Pvt. Ltd.
	22-Mar-21	1284187	18.205	Dhruv Sales Corporation
	25-Mar-21	1286942	16.855	R.P.Industries
	27-Mar-21	1288772	18.290	Raina Industries
	30-Mar-21	1289975	18.245	Raina Industries
	31-Mar-21	1290948	21.085	Dhruv Sales Corporation
	<b>TOTAL QUANTITY (In MT)</b>		<b>2758.190</b>	

ANNEXURE-G

### 2 Hydrochloric Acid 30% Cat: B-15

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
<b>Apr-20</b>	14-Apr-20	1059942	28.285	Shankus Bio-Sciences Pvt.Ltd
	15-Apr-20	1060235	26.870	Shankus Bio-Sciences Pvt.Ltd
	15-Apr-20	1060190	28.695	Shankus Bio-Sciences Pvt.Ltd
	20-Apr-20	1061512	24.780	Shankus Bio-Sciences Pvt.Ltd
	20-Apr-20	1061517	24.795	Shankus Bio-Sciences Pvt.Ltd
	21-Apr-20	1061749	22.590	Shankus Bio-Sciences Pvt.Ltd
	22-Apr-20	1062186	27.835	Shankus Bio-Sciences Pvt.Ltd
	27-Apr-20	1063869	28.445	Shreeji Industries
	30-Apr-20	1065203	26.620	Shreeji Industries
	30-Apr-20	1065213	22.345	Shankus Bio-Sciences Pvt.Ltd
<b>May-20</b>	5-May-20	1067043	19.250	Shreeji Industries
	7-May-20	1067937	15.460	Shreeji Industries
	9-May-20	1068799	19.770	Shreeji Industries
	10-May-20	1069040	28.950	Shreeji Industries
	10-May-20	1069141	28.940	Shreeji Industries
	14-May-20	1070998	24.785	Shreeji Industries
	19-May-20	1073481	29.170	Shreeji Industries
	21-May-20	1074592	30.190	Shreeji Industries
	23-May-20	1075755	28.695	Shreeji Industries
	25-May-20	1076817	23.315	Shankus Bio-Sciences Pvt.Ltd
<b>Jun-20</b>	3-Jun-20	1082589	19.445	Rahul Intermediates
	5-Jun-20	1083730	29.055	Shankus Bio-Sciences Pvt.Ltd
	6-Jun-20	1084246	19.780	Rahul Intermediates
	9-Jun-20	1085840	30.065	Shreeji Industries
	12-Jun-20	1087443	16.220	Rahul Intermediates
	13-Jun-20	1087931	28.070	Shreeji Industries
	17-Jun-20	1089566	17.725	Rahul Intermediates
	18-Jun-20	1090241	20.245	Shankus Bio-Sciences Pvt.Ltd
	23-Jun-20	1092475	23.375	Rahul Intermediates
	25-Jun-20	1093539	26.680	Shreeji Industries
<b>Jul-20</b>	27-Jun-20	1094559	20.115	Shreeji Industries
	29-Jun-20	1095369	27.575	Shankus Bio-Sciences Pvt.Ltd
	2-Jul-20	1096744	24.390	Shreeji Industries
	8-Jul-20	1099473	30.180	Shreeji Industries
	11-Jul-20	1100871	23.215	Shankus Bio-Sciences Pvt.Ltd
	13-Jul-20	1101788	21.900	Rahul Intermediates
	14-Jul-20	1102360	19.655	Shankus Bio-Sciences Pvt.Ltd



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	16-Jul-20	1103324	22.685	Shreeji Industries
	17-Jul-20	1103862	21.075	Shreeji Industries
	20-Jul-20	1105182	28.550	Shreeji Industries
	23-Jul-20	1106825	20.250	Rahul Intermediates
	25-Jul-20	1107845	23.300	Shreeji Industries
	27-Jul-20	1108744	28.840	Shreeji Industries
	30-Jul-20	1110269	19.240	Rahul Intermediates
	31-Jul-20	1110916	23.500	Shreeji Industries
<b>Aug-20</b>	1-Aug-20	1111620	18.365	Shreeji Industries
	4-Aug-20	1112608	27.850	Shreeji Industries
	6-Aug-20	1113713	19.470	Rahul Intermediates
	8-Aug-20	1114667	24.640	Shreeji Industries
	11-Aug-20	1116068	18.705	Rahul Intermediates
	22-Aug-20	1120724	24.105	Shreeji Industries
	24-Aug-20	1121580	25.080	Shreeji Industries
	24-Aug-20	1121691	19.605	Shreeji Industries
	26-Aug-20	1122677	22.570	Rahul Intermediates
	29-Aug-20	1124326	24.975	Shreeji Industries
<b>Sep-20</b>	2-Sep-20	1126039	28.140	Shreeji Industries
	2-Sep-20	1126045	20.105	Rahul Intermediates
	7-Sep-20	112813	27.905	Shreeji Industries
	8-Sep-20	1129024	19.300	Rahul Intermediates
	10-Sep-20	1130569	24.355	Shreeji Industries
	12-Sep-20	1131675	19.645	Rahul Intermediates
	15-Sep-20	1133293	24.150	Shreeji Industries
	16-Sep-20	1133918	23.180	Shreeji Industries
	18-Sep-20	1134979	19.795	Shreeji Industries
	21-Sep-20	1136353	18.345	Rahul Intermediates
	21-Sep-20	1136306	17.945	Shankus Bio-Sciences Pvt.Ltd
	25-Sep-20	1138529	24.740	Repute Bio Tech
	26-Sep-20	1139216	24.505	Shankus Bio-Sciences Pvt.Ltd
	29-Sep-20	1140859	21.850	Rahul Intermediates
<b>Oct-20</b>	1-Oct-20	1140852	19.250	Shreeji Industries
	3-Oct-20	1143517	19.790	Shreeji Industries
	6-Oct-20	1145448	17.625	Shankus Bio-Sciences Pvt.Ltd
	9-Oct-20	1147898	24.340	Shankus Bio-Sciences Pvt.Ltd
	12-Oct-20	1150102	21.895	Rahul Intermediates
	14-Oct-20	1151790	23.985	Shankus Bio-Sciences Pvt.Ltd
	15-Oct-20	1152980	19.080	Shreeji Industries
	16-Oct-20	1153608	21.135	Shankus Bio-Sciences Pvt.Ltd
	19-Oct-20	1155547	24.205	Shreeji Industries
	20-Oct-20	1156358	20.050	Raina Industries
	23-Oct-20	1128874	33.720	Shreeji Industries
	26-Oct-20	1160996	19.350	Shankus Bio-Sciences Pvt.Ltd
	27-Oct-20	1161895	19.515	Rahul Intermediates
	27-Oct-20	1162067	19.690	Shreeji Industries
	30-Oct-20	1164679	28.390	Shreeji Industries
<b>Nov-20</b>	10-Nov-20	1174360	28.860	Shreeji Industries
	10-Nov-20	1174505	28.270	Shreeji Industries
	11-Nov-20	1175550	19.605	Rahul Intermediates



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	12-Nov-20	1176295	19.035	Rahul Intermediates
	13-Nov-20	1177005	28.505	Shreeji Industries
	15-Nov-20	1177388	28.535	Shreeji Industries
	19-Nov-20	1179265	19.585	Rahul Intermediates
	19-Nov-20	1178962	19.865	Rahul Intermediates
	23-Nov-20	1181615	18.970	Rahul Intermediates
	23-Nov-20	1181808	19.905	Rahul Intermediates
	23-Nov-20	1181634	28.350	Shreeji Industries
	25-Nov-20	1183238	18.855	Rahul Intermediates
	26-Nov-20	1184631	19.190	Rahul Intermediates
	28-Nov-20	1186066	19.420	Rahul Intermediates
	28-Nov-20	1186464	25.025	Shankus Bio-Sciences Pvt.Ltd
	30-Nov-20	1188022	27.740	Shreeji Industries
<b>Dec-20</b>	2-Dec-20	1189558	20.465	Rahul Intermediates
	5-Dec-20	1191826	19.700	Rahul Intermediates
	7-Dec-20	1193910	24.030	Rahul Intermediates
	11-Dec-20	1196960	27.910	Shankus Bio-Sciences Pvt.Ltd
	15-Dec-20	1199533	18.815	Rahul Intermediates
	16-Dec-20	1200428	28.760	Shankus Bio-Sciences Pvt.Ltd
	17-Dec-20	1201268	19.595	Rahul Intermediates
	17-Dec-20	1201552	19.395	Rahul Intermediates
	22-Dec-20	1205811	20.000	Rahul Intermediates
	22-Dec-20	1206037	22.965	Shankus Bio-Sciences Pvt.Ltd
	23-Dec-20	1206952	23.505	Rahul Intermediates
	23-Dec-20	1206725	19.125	Rahul Intermediates
	25-Dec-20	1208696	19.765	Rahul Intermediates
	28-Dec-20	1211184	24.360	Shreeji Industries
	29-Dec-20	1211925	19.915	Rahul Intermediates
	31-Dec-20	1213838	19.810	Rahul Intermediates
<b>Jan-21</b>	4-Jan-21	1216805	19.185	Rahul Intermediates
	7-Jan-21	1219462	19.605	Rahul Intermediates
	15-Jan-21	1225692	19.295	Rahul Intermediates
	18-Jan-21	1227582	19.995	Shanku Bio-Sciences Pvt. Ltd.
	18-Jan-21	1227619	21.135	Rahul Intermediates
	20-Jan-21	1229822	25.700	Rahul Intermediates
	21-Jan-21	1230288	28.195	Shanku Bio-Sciences Pvt. Ltd.
	22-Jan-21	1231417	20.025	Rahul Intermediates
	25-Jan-21	1234143	22.875	Rahul Intermediates
	25-Jan-21	1233866	25.330	Shanku Bio-Sciences Pvt. Ltd.
	27-Jan-21	1235222	17.025	Rahul Intermediates
	29-Jan-21	1237529	19.030	Rahul Intermediates
	30-Jan-21	1238562	20.015	Rahul Intermediates
<b>Feb-21</b>	1-Feb-21	1240148	18.455	Rahul Intermediates
	3-Feb-21	1242061	24.730	Shreeji Industries
	5-Feb-21	1243779	26.230	Rahul Intermediates
	8-Feb-21	1246484	23.850	Shanku Bio-Sciences Pvt. Ltd.
	9-Feb-21	1247436	17.405	Rahul Intermediates
	12-Feb-21	1251064	19.315	Rahul Intermediates
	12-Feb-21	1250546	22.875	Shanku Bio-Sciences Pvt. Ltd.
	15-Feb-21	1253718	24.085	Shanku Bio-Sciences Pvt. Ltd.



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	15-Feb-21	1253476	19.300	Rahul Intermediates
	19-Feb-21	1257437	23.095	Shanku Bio-Sciences Pvt. Ltd.
	22-Feb-21	1260409	19.635	Rahul Intermediates
	23-Feb-21	1261298	23.095	Rahul Intermediates
	24-Feb-21	1262458	19.715	Shanku Bio-Sciences Pvt. Ltd.
	25-Feb-21	1263476	19.425	Rahul Intermediates
<b>Mar-21</b>	1-Mar-21	1266415	20.280	Rahul Intermediates
	3-Mar-21	1268509	25.295	Shanku Bio-Sciences Pvt. Ltd.
	4-Mar-21	1269189	19.525	Rahul Intermediates
	8-Mar-21	1272289	19.700	Rahul Intermediates
	8-Mar-21	1272548	19.125	Rahul Intermediates
	10-Mar-21	1274596	22.395	Shanku Bio-Sciences Pvt. Ltd.
	12-Mar-21	1275765	18.680	Rahul Intermediates
	18-Mar-21	1280982	23.670	Shanku Bio-Sciences Pvt. Ltd.
	19-Mar-21	1282015	23.505	Rahul Intermediates
	23-Mar-21	1285107	19.915	Rahul Intermediates
	24-Mar-21	1286266	19.345	Rahul Intermediates
	25-Mar-21	1287113	23.625	Rahul Intermediates
	27-Mar-21	1288687	23.290	Rahul Intermediates
	30-Mar-21	1290077	23.460	Rahul Intermediates
	<b>TOTAL QUANTITY (In MT)</b>		<b>3564.520</b>	

### 3 Phosphoric Acid Cat: B-15

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
<b>Apr-20</b>	3-Apr-20	1058018	9.310	S.R.Chemicals
	4-Apr-20	1058154	9.140	S.R.Chemicals
	21-Apr-20	1061873	15.110	Choksey Chemicals Industries
	28-Apr-20	1064227	17.295	Choksey Chemicals Industries
<b>May-20</b>	8-May-20	1068228	9.030	S.R.Chemicals
	15-May-20	1071477	10.650	S.R.Chemicals
	20-May-20	1074142	15.655	Choksey Chemicals Industries
	27-May-20	1078196	9.120	S.R.Chemicals
<b>Jun-20</b>	6-Jun-20	1084225	10.710	S.R.Chemicals
	12-Jun-20	1087423	16.305	Choksey Chemicals Industries
	29-Jun-20	1095326	10.160	S.R.Chemicals
<b>Jul-20</b>	1-Jul-20	1096352	16.295	Choksey Chemicals Industries
	11-Jul-20	1100999	10.620	S.R.Chemicals
	13-Jul-20	1101677	15.775	Choksey Chemicals Industries
	20-Jul-20	1105228	16.125	S.R.Chemicals
	22-Jul-20	1106129	16.035	Choksey Chemicals Industries
<b>Aug-20</b>	8-Aug-20	1114791	10.270	S.R.Chemicals
	11-Aug-20	1116070	16.465	Choksey Chemicals Industries
	25-Aug-20	1122092	16.490	Choksey Chemicals Industries
<b>Sep-20</b>	9-Sep-20	1129904	11.310	S.R.Chemicals
	12-Sep-20	1131822	17.895	Choksey Chemicals Industries
	29-Sep-20	1140920	12.505	S.R.Chemicals
<b>Oct-20</b>	8-Oct-20	1145442	17.620	Choksey Chemicals Industries

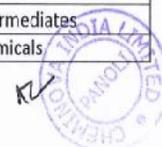


## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	15-Oct-20	1151964	17.875	S.R.Chemicals
	23-Oct-20	1158587	17.810	S.R.Chemicals
<b>Nov-20</b>	18-Nov-20	1178425	19.940	S.R.Chemicals
	23-Nov-20	1181953	12.825	S.R.Chemicals
<b>Dec-20</b>	5 Dec 20	1192372	20.185	S.R.Chemicals
	16-Dec-20	1200263	18.130	S.R.Chemicals
	26-Dec-20	1209585	12.155	S.R.Chemicals
<b>Jan-21</b>	5-Jan-21	1216553	13.500	S.R. Chemicals
	15-Jan-21	1225816	20.090	S.R. Chemicals
	29-Jan-21	1237291	19.525	S.R. Chemicals
<b>Feb-21</b>	12 Feb 21	1251226	19.905	S.R. Chemicals
	22-Feb-21	1260387	18.550	S.R. Chemicals
<b>Mar-21</b>	1-Mar-21	1266628	25.920	S.R. Chemicals
	15-Mar-21	1278280	19.865	S.R. Chemicals
<b>TOTAL QUANTITY (In MT)</b>			<b>566.165</b>	

#### 4 Sodium Bisulphite Powder Cat: Not Applicable

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
<b>Apr-20</b>	11-Apr-20	1059414	13.000	Shalibhadra Intermediates
	13-Apr-20	1059797	10.000	Shalibhadra Intermediates
	20-Apr-20	1061496	5.000	Trimurti Chemicals
	22-Apr-20	1062102	10.000	Shalibhadra Intermediates
	22-Apr-20	1062077	20.000	P.G.Chemicals Industries
	24-Apr-20	1062709	8.000	Shalibhadra Intermediates
	29-Apr-20	1064732	20.000	Shalibhadra Intermediates
<b>May-20</b>	2-May-20	1065784	20.000	Shalibhadra Intermediates
	5-May-20	1067000	2.600	Shalibhadra Intermediates
	6-May-20	1067513	2.600	Shalibhadra Intermediates
	9-May-20	1068697	2.000	Trimurti Chemicals
	11-May-20	1069473	10.000	Navkar Chemicals
	12-May-20	1069958	14.520	Shalibhadra Intermediates
	15-May-20	1071357	1.000	Trimurti Chemicals
	18-May-20	1072832	5.000	Trimurti Chemicals
	23-May-20	1075702	10.000	Trimurti Chemicals
	25-May-20	1076494	10.000	Trimurti Chemicals
	28-May-20	1078717	2.000	Shalibhadra Intermediates
	28-May-20	1078759	5.000	Shalibhadra Intermediates
	29-May-20	1079441	5.000	Trimurti Chemicals
<b>Jun-20</b>	4-Jun-20	1083090	10.000	P.G.Chemicals Industries
	9-Jun-20	1085577	5.000	Lovely Chemicals
	12-Jun-20	1087380	10.000	Navkar Chemicals
	16-Jun-20	1089171	10.000	Akshar Enterprise
	19-Jun-20	1090802	7.000	Shalibhadra Intermediates
	25-Jun-20	1093478	10.000	Lovely Chemicals
	30-Jun-20	1095848	10.000	Lovely Chemicals
<b>Jul-20</b>	2-Jul-20	1096735	10.000	Trimurti Chemicals
	10-Jul-20	1100457	10.000	Shalibhadra Intermediates
	15-Jul-20	1102686	10.000	Navkar Chemicals



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	27-Jul-20	1108477	5.000	Trimurti Chemicals
	28-Jul-20	1109355	10.000	Lovely Chemicals
	29-Jul-20	1109988	10.000	Akshar Enterprise
	30-Jul-20	1110268	5.000	Navkar Chemicals
	30-Jul-20	1110539	10.000	Trimurti Chemicals
<b>Aug-20</b>	8-Aug-20	1114589	6.000	Shalibhadra Intermediates
	8-Aug-20	1114590	8.480	Shalibhadra Intermediates
	21-Aug-20	1120436	10.000	P.G.Chemicals Industries
	26-Aug-20	1122700	2.000	Shalibhadra Intermediates
	31-Aug-20	1124952	10.000	Navkar Chemicals
<b>Sep-20</b>	10-Sep-20	1130634	10.000	Akshar Enterprise
	15-Sep-20	1133157	10.000	Lovely Chemicals
	15-Sep-20	1132658	10.000	P.G.Chemicals Industries
	17-Sep-20	1134040	10.000	Shalibhadra Intermediates
	22-Sep-20	1136776	10.000	Akshar Enterprise
	26-Sep-20	1139057	10.000	Navkar Chemicals
	28-Sep-20	1140184	20.000	Shalibhadra Intermediates
	28-Sep-20	1140180	10.000	Trimurti Chemicals
	29-Sep-20	1140849	20.000	Shalibhadra Intermediates
	30-Sep-20	1141634	20.000	Shalibhadra Intermediates
<b>Oct-20</b>	6-Oct-20	1145568	20.000	Shalibhadra Intermediates
	20-Oct-20	1156335	10.000	Trimurti Chemicals
	20-Oct-20	1156343	20.000	Shalibhadra Intermediates
	21-Oct-20	1157361	20.000	Shalibhadra Intermediates
	24-Oct-20	1159737	20.000	Shalibhadra Intermediates
	27-Oct-20	1161908	10.000	P.G.Chemicals Industries
	28-Oct-20	1162863	20.000	Shalibhadra Intermediates
	30-Oct-20	1164603	10.000	Navkar Chemicals
<b>Nov-20</b>	11-Nov-20	1175365	20.000	Shalibhadra Intermediates
	12-Nov-20	1176379	20.000	Shalibhadra Intermediates
	19-Nov-20	1179270	5.000	Trimurti Chemicals
	20-Nov-20	1179696	10.000	Navkar Chemicals
	23-Nov-20	1181799	10.000	P.G.Chemicals Industries
	24-Nov-20	1182764	20.000	Shalibhadra Intermediates
	24-Nov-20	1182752	10.000	Shalibhadra Intermediates
	26-Nov-20	1184452	10.000	Trimurti Chemicals
	28-Nov-20	1186456	5.000	Lovely Chemicals
	28-Nov-20	1186463	20.000	Shalibhadra Intermediates
<b>Dec-20</b>	2-Dec-20	1189630	20.000	Shalibhadra Intermediates
	5-Dec-20	1192122	12.000	Shalibhadra Intermediates
	8-Dec-20	1194921	10.000	Lovely Chemicals
	10-Dec-20	1196541	20.000	P.G.Chemicals Industries
	15-Dec-20	1199860	20.000	Shalibhadra Intermediates
	16-Dec-20	1200528	10.000	Akshar Enterprise
	21-Dec-20	1205002	16.000	Shalibhadra Intermediates
	22-Dec-20	1205824	10.000	Trimurti Chemicals
	24-Dec-20	1207351	10.000	P.G.Chemicals Industries
	25-Dec-20	1208796	10.000	Shalibhadra Intermediates
	30-Dec-20	1212771	19.000	Shalibhadra Intermediates
<b>Jan-21</b>	6-Jan-21	1218532	16.000	Shalibhadra Intermediates Pvt.Ltd



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	12-Jan-21	1223566	10.000	Navkar Chemicals
	13-Jan-21	1224740	5.000	Shalibhadra Intermediates Pvt.Ltd
	19-Jan-21	1228723	10.000	P.G.Chemicals
	20-Jan-21	1229841	10.000	Shalibhadra Intermediates Pvt.Ltd
	23-Jan-21	1232331	10.000	Shalibhadra Intermediates Pvt.Ltd
	27-Jan-21	1235237	10.000	P.G.Chemicals
	28-Jan-21	1236341	10.000	Lovely Chemicals
	30-Jan-21	1238424	10.000	Shalibhadra Intermediates Pvt.Ltd
<b>Feb-21</b>	4-Feb-21	1243005	8.000	Akshar Enterprise
	10-Feb-21	1248860	5.000	Akshar Enterprise
	11-Feb-21	1249995	10.000	P.G.Chemicals
	15-Feb-21	1253338	10.000	P.G.Chemicals
	22-Feb-21	1260377	25.000	Shalibhadra Intermediates Pvt.Ltd
	23-Feb-21	1261315	10.000	Navkar Chemicals
	26-Feb-21	1264313	2.000	Shalibhadra Intermediates Pvt.Ltd
	26-Feb-21	1264269	10.000	Lovely Chemicals
<b>Mar-21</b>	3-Mar-21	1268556	10.000	Jay Industries
	4-Mar-21	1269216	10.000	Akshar Enterprise
	6-Mar-21	1271086	20.000	Shalibhadra Intermediates Pvt.Ltd
	10-Mar-21	1274467	10.000	Shalibhadra Intermediates Pvt.Ltd
	13-Mar-21	1276713	14.000	Shalibhadra Intermediates Pvt.Ltd
	22-Mar-21	1283874	11.000	Shalibhadra Intermediates Pvt.Ltd
	26-Mar-21	1287870	18.000	Shalibhadra Intermediates Pvt.Ltd
	31-Mar-21	1290941	10.000	Shalibhadra Intermediates Pvt.Ltd
	<b>TOTAL QUANTITY (In MT)</b>		<b>1165.560</b>	

### 5 Sodium Bisulphite Solution (30%) Cat: Not Applicable

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
<b>Apr-20</b>	9-Apr-20	1059050	16.905	Ohm Dye Chem
	21-Apr-20	1061745	25.225	Trimurti Chemicals
	23-Apr-20	1062406	24.320	Trimurti Chemicals
	27-Apr-20	1063744	23.745	Trimurti Chemicals
	28-Apr-20	1063952	18.935	Trimurti Chemicals
	29-Apr-20	1064662	24.580	Lovely Chemicals
	30-Apr-20	1065163	18.495	Trimurti Chemicals
<b>May-20</b>	2-May-20	1065776	24.575	Trimurti Chemicals
	4-May-20	1066416	24.755	Trimurti Chemicals
	6-May-20	1067263	24.695	Trimurti Chemicals
	9-May-20	1068698	24.640	Trimurti Chemicals
	11-May-20	1069480	24.385	Trimurti Chemicals
	14-May-20	1070836	24.835	Trimurti Chemicals
	15-May-20	1071468	24.930	Trimurti Chemicals
	20-May-20	1073752	24.975	Trimurti Chemicals
	22-May-20	1075139	24.730	Trimurti Chemicals
	22-May-20	1075141	15.900	Trimurti Chemicals
	23-May-20	1075716	24.965	Trimurti Chemicals
	27-May-20	1077937	24.475	Trimurti Chemicals
	29-May-20	1079440	24.075	Trimurti Chemicals



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Jun-20	1-Jun-20	1081221	24.195	Trimurti Chemicals
	3-Jun-20	1082536	24.175	Trimurti Chemicals
	5-Jun-20	1083498	16.935	Trimurti Chemicals
	8-Jun-20	1084806	17.150	Trimurti Chemicals
	9-Jun-20	1085665	17.300	Trimurti Chemicals
	11-Jun-20	1086879	24.515	Trimurti Chemicals
	15-Jun-20	1088477	24.720	Trimurti Chemicals
	16-Jun-20	1089201	24.740	Trimurti Chemicals
	22-Jun-20	1091994	24.670	Trimurti Chemicals
	25-Jun-20	1093471	17.825	Ohm Dye Chem
	26-Jun-20	1094046	24.750	Trimurti Chemicals
	29-Jun-20	1095323	17.130	Trimurti Chemicals
	29-Jun-20	1095419	24.770	Trimurti Chemicals
	Jul-20	1-Jul-20	1096349	24.855
2-Jul-20		1096801	24.880	Trimurti Chemicals
6-Jul-20		1098539	24.895	Trimurti Chemicals
7-Jul-20		1098979	21.160	Trimurti Chemicals
9-Jul-20		1099951	24.975	Lovely Chemicals
11-Jul-20		1100861	24.880	Trimurti Chemicals
13-Jul-20		1101655	24.680	Trimurti Chemicals
15-Jul-20		1102677	24.290	Trimurti Chemicals
16-Jul-20		1103321	24.315	Trimurti Chemicals
20-Jul-20		1105167	24.115	Trimurti Chemicals
21-Jul-20		1105624	24.340	Trimurti Chemicals
24-Jul-20		1107385	23.390	Trimurti Chemicals
25-Jul-20		1107841	17.470	Trimurti Chemicals
27-Jul-20		1108480	23.900	Trimurti Chemicals
28-Jul-20	1109391	11.355	Ohm Dye Chem	
30-Jul-20	1109982	24.185	Trimurti Chemicals	
Aug-20	1-Aug-20	1111604	24.175	Trimurti Chemicals
	5-Aug-20	1112987	23.820	Trimurti Chemicals
	8-Aug-20	1114580	19.795	Trimurti Chemicals
	10-Aug-20	1115538	24.610	Trimurti Chemicals
	11-Aug-20	1116126	24.640	Trimurti Chemicals
	14-Aug-20	1117285	24.725	Trimurti Chemicals
	14-Aug-20	1117288	22.945	Trimurti Chemicals
	18-Aug-20	1118817	24.435	Trimurti Chemicals
	20-Aug-20	1119975	24.475	Trimurti Chemicals
	24-Aug-20	1121582	23.600	Trimurti Chemicals
	26-Aug-20	1122682	24.045	Trimurti Chemicals
	27-Aug-20	1123232	17.260	Ohm Dye Chem
	29-Aug-20	1124318	23.610	Trimurti Chemicals
	31-Aug-20	1124942	18.685	Trimurti Chemicals
Sep-20	2-Sep-20	1126034	24.240	Trimurti Chemicals
	5-Sep-20	1127611	24.615	Trimurti Chemicals
	7-Sep-20	1128497	24.630	Trimurti Chemicals
	11-Sep-20	1131187	15.450	Trimurti Chemicals
	12-Sep-20	1131700	24.680	Trimurti Chemicals
	12-Sep-20	1131185	24.350	Ohm Dye Chem
	15-Sep-20	1133161	25.050	Trimurti Chemicals



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	17-Sep-20	1134427	24.825	Trimurti Chemicals
	21-Sep-20	1136138	24.410	Trimurti Chemicals
	22-Sep-20	1136764	24.410	Trimurti Chemicals
	24-Sep-20	1138046	24.765	Trimurti Chemicals
	28-Sep-20	1140085	24.245	Trimurti Chemicals
	29-Sep-20	1140913	23.895	Trimurti Chemicals
<b>Oct-20</b>	1-Oct-20	1141850	23.860	Trimurti Chemicals
	3-Oct-20	1143413	24.065	Trimurti Chemicals
	3-Oct-20	1143431	12.880	Ohm Dye Chem
	7-Oct-20	1146294	24.595	Trimurti Chemicals
	10-Oct-20	1147875	24.810	Trimurti Chemicals
	12-Oct-20	1150098	15.750	Ohm Dye Chem
	13-Oct-20	1150861	25.310	Trimurti Chemicals
	19-Oct-20	1155550	25.170	Trimurti Chemicals
	19-Oct-20	1155725	19.450	Trimurti Chemicals
	20-Oct-20	1156339	24.810	Trimurti Chemicals
	21-Oct-20	1157366	24.820	Trimurti Chemicals
	27-Oct-20	1161897	24.715	Trimurti Chemicals
	29-Oct-20	1164018	24.730	Trimurti Chemicals
	30-Oct-20	1164598	27.730	Trimurti Chemicals
<b>Nov-20</b>	10-Nov-20	1174354	24.780	Trimurti Chemicals
	11-Nov-20	1175487	18.825	Ohm Dye Chem
	13-Nov-20	1177007	32.585	Trimurti Chemicals
	13-Nov-20	1176320	24.825	P.G.Chemicals Industries
	19-Nov-20	1178966	17.950	Trimurti Chemicals
	23-Nov-20	1181816	22.225	Trimurti Chemicals
	23-Nov-20	1181643	32.700	Trimurti Chemicals
	28-Nov-20	1186062	25.175	Lovely Chemicals
	28-Nov-20	1186055	32.425	Trimurti Chemicals
	30-Nov-20	1187648	24.765	Lovely Chemicals
<b>Dec-20</b>	3-Dec-20	1190672	18.740	Ohm Dye Chem
	7-Dec-20	1193912	24.725	Trimurti Chemicals
	8-Dec-20	1194907	24.750	Trimurti Chemicals
	11-Dec-20	1197339	24.635	Trimurti Chemicals
	15-Dec-20	1199536	25.050	Trimurti Chemicals
	16-Dec-20	1200492	24.730	Trimurti Chemicals
	17-Dec-20	1201511	24.560	Lovely Chemicals
	18-Dec-20	1202490	24.555	Trimurti Chemicals
	21-Dec-20	1204835	24.670	Trimurti Chemicals
	22-Dec-20	1205815	24.850	Trimurti Chemicals
	24-Dec-20	1207343	24.850	Trimurti Chemicals
	25-Dec-20	1208757	24.975	Trimurti Chemicals
	28-Dec-20	1210766	20.000	Trimurti Chemicals
	29-Dec-20	1212018	24.930	Trimurti Chemicals
	30-Dec-20	1212934	24.740	Trimurti Chemicals
<b>Jan-21</b>	2-Jan-21	1215245	20.860	Trimurti Chemicals
	4-Jan-21	1216809	20.265	Trimurti Chemicals
	7-Jan-21	1219182	22.935	Trimurti Chemicals
	11-Jan-21	1222709	17.955	Trimurti Chemicals
	15-Jan-21	1225399	24.575	Faiz Chemicals



## Six Monthly EC Compliance Report

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
	18-Jan-21	1227587	24.415	Faiz Chemicals
	20-Jan-21	1229534	25.190	Faiz Chemicals
	21-Jan-21	1230598	24.805	Faiz Chemicals
	22-Jan-21	1231547	19.360	Faiz Chemicals
	25-Jan-21	1233611	24.405	Faiz Chemicals
	27-Jan-21	1235223	24.765	Faiz Chemicals
	29-Jan-21	1237523	24.470	Faiz Chemicals
	30-Jan-21	1238615	12.030	Faiz Chemicals
<b>Feb-21</b>	1-Feb-21	1240158	23.620	Faiz Chemicals
	6-Feb-21	1245037	25.320	Faiz Chemicals
	8-Feb-21	1246486	25.205	Faiz Chemicals
	10-Feb-21	1248868	19.705	Faiz Chemicals
	12-Feb-21	1251071	23.325	Faiz Chemicals
	15-Feb-21	1253583	24.835	Faiz Chemicals
	17-Feb-21	1255639	21.990	Faiz Chemicals
	19-Feb-21	1257618	19.570	Jay Industries
	24-Feb-21	1262502	23.975	Jay Industries
	25-Feb-21	1263461	22.130	Jay Industries
	27-Feb-21	1265339	23.480	Jay Industries
<b>Mar-21</b>	2-Mar-21	1267433	24.470	Jay Industries
	4-Mar-21	1269202	24.710	Jay Industries
	6-Mar-21	1271213	20.750	Jay Industries
	9-Mar-21	1273587	25.190	Jay Industries
	12-Mar-21	1275557	24.805	Jay Industries
	15-Mar-21	1277983	24.860	Jay Industries
	17-Mar-21	1279860	10.580	Jay Industries
	19-Mar-21	1281970	25.235	Jay Industries
	22-Mar-21	1284161	21.865	Jay Industries
	25-Mar-21	1287109	24.890	Jay Industries
	30-Mar-21	1289984	24.480	Jay Industries
	31-Mar-21	1290955	24.735	Jay Industries
	<b>TOTAL QUANTITY (in MT)</b>		<b>3501.685</b>	

DATE: 5<sup>th</sup> June 2021

PLACE: Panoli



*ASL*  
Signature of Factory manager /Occupier

# Six Monthly EC Compliance Report

## Annexure 5 -Environmental Statement – Form V (2020-2021)



Cheminova India Limited  
Technical Division  
241,242/2 & 241/P,  
GIDC Estate, Panoli - 394 116  
Dist. Bharuch (Gujarat)  
India.  
cheminova.panoli@fmc.com  
Phone : 02646 - 618600/1/2, 618701  
Mo. : +91 97252 02657  
fmc.com / fmc.in  
CIN NO. U24100MH1986PLC038627

Ref No. CIL/ TECH/Form -V/2020-21/09/05/21

**ID: 15015**

Date: 5<sup>th</sup> September 2021

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 2020-21

Respected Sir,

Please find enclosed the duly filled Environment Statement in Form-V for the financial year 2020-21

Please acknowledge the same.

This is for your kind perusal please

Thanking you,  
Yours faithfully,

  
*M. Trivedi*

Cheminova India Limited. Panoli.  
Technical Division

Enclosures: Form —V

CC To: Regional Officer, GPCB, Ankleshwar.



Regd. Office address:- TCG Financial Center, 2<sup>nd</sup> Floor, Plot No. C 53, Block G, Bandra Kurla Complex, Bandra (E), Mumbai - 400 098.

# Six Monthly EC Compliance Report

**FORM - V**  
(See Rule 14)

**From :**  
CHEMINOVA INDIA LTD.  
Technical Division Plot no 241 , 242/2 & 241/P,  
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, 2021

**PART -A**

- |   |   |
|---|---|
| i) Name & address of the Owner/Occupier of the industry, operation or process | - Mr. Manoj Khanna<br>CHEMINOVA INDIA LTD.<br>Technical Division Plot no 241 , 242/2 & 241/P,<br>GIDC Panoli, Tal Ankleshwar Dist Bharuch |
| ii) Industry category<br>Primary :- (STC Code)<br>Secondary:- (SIC Code)      | - LSI<br>Not Applicable<br>Not Applicable   |
| iii) Production capacity:- Units  | - ANNEXURE-1  |
| iv) Year of establishment   | - 1990  |
| v) Date of the last environmental statement submitted                         | - 5Th September 2020  |

**PART -B**

**Water & Raw Material Consumption**

- |  |                          |
|--|--------------------------|
| i) Water consumption - M <sup>3</sup> /day | - 91 m <sup>3</sup> /day |
| Process                                    | - 20 m <sup>3</sup> /day |
| Cooling                                    | - 42 m <sup>3</sup> /day |
| Domestic                                   | - 29 m <sup>3</sup> /day |

Name of products	Process water consumption per product output (Lit./ Kg)	
	During the previous financial year 2019-2020 (1)	During the current financial year 2020-2021 (2)
(1) Technical, Paclo, TCP, ISOXAZOLIDINONE (F-57091 Na)	35.70	31.17

**ii) Raw Material consumption**

* Name of raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year 2019-2020	During the Current financial year 2020-2021
1 2-CIT	TCP	0.6841 Kg/ Kg	0.6472 Kg/ Kg
2 NaOH FLAKES		0.2241 Kg/ Kg	0.2055 Kg/ Kg
3 CCMP		1.3483 Kg/ Kg	1.263 Kg/ Kg
4 MeOH		1.7008 Kg/ Kg	0.3243 Kg/ Kg
1 Pacloketone	Paclobutazole	1.0812 Kg/ Kg	1.0618 Kg/ Kg
2 NaBH4		0.0421 Kg/ Kg	0.0403 Kg/ Kg
3 30% HCl		0.1339 Kg/ Kg	0.1330 Kg/ Kg
4 Methanol		0.6920 Kg/ Kg	0.8247 Kg/ Kg
5 NaHCO3		0.0337 Kg/ Kg	0.0447 Kg/ Kg
1 Sodium Isopropyl Xanthate	ISOXAZOLIDINONE (F-57091 Na)	0.0028 Kg/ Kg	0.0026 Kg/ Kg
2 Hydroxylamine Sulfate		0.8566 Kg/ Kg	0.8105 Kg/ Kg
3 CPC		1.2961 Kg/ Kg	1.2873 Kg/ Kg
4 H2SO4		0.0835 Kg/ Kg	0.0380 Kg/ Kg
5 Toluene Ltr.		0.1423 Kg/ Kg	0.0499 Kg/ Kg
6 Sodium Hypochlorite, Sol.		1.0387 Kg/ Kg	0.8965 Kg/ Kg
7 Sodium Hydroxide		1.4877 Kg/ Kg	1.3931 Kg/ Kg

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



# Six Monthly EC Compliance Report

## PART-C

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

i) Pollutants		Quantity of pollutant concentrations of discharged pollutants in discharges (mass/day) TPD (mass/volume) mg/l except pH & Temp		Percentage of variation from prescribed standard with reasons
Average Flow 19.38 m3/d.				
<b>a) Water</b>		<b>TPD</b>	<b>mg/L</b>	
Total Dissolved Solid		0.0938	4356	--
Total Suspended Solid		0.0010	46	--
Chemical Oxygen Demand		0.0029	136	--
Biological Oxygen Demand		0.0009	40	--
Ammonical Nitrogen		Nil	Nil	--
<b>b) Air</b>		<b>TPD</b>	<b>mg/Nm<sup>3</sup></b>	
<b>Azoxy Plant</b>				
Chlorine		0.0000	1.91	--
Hydrogen Chloride		0.0000	2.70	--
<b>Boiler</b>				
SPM		0.0017	14.75 mg/nm3	--
SOx		0.0023	7.25 ppm	--
NOx		0.0027	10.92 ppm	--

## PART-D

Hazardous Wastes

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

Hazardous wastes		Total Quantity (kg)	
		During the previous financial year 2019-2020	During the current financial year 2020-2021
<b>a) From Process</b>			
Category	Type of Waste		
	(1) Evaporation Salt	22,995	637130
	(2) Waste Used Oil	300	135
	(3) Discarded Container Bag Liner (Cat-3.3)	26,190	8995
	(4) Process waste ( Cat-29.1)	98,260	52450
	(5) Spent Solvents	Nil	Nil
	(6) Stripped Solvent	Nil	Nil
<b>b) From Pollution Control facilities</b>			
	ETP Sludge	26,140	35780



# Six Monthly EC Compliance Report

## Solid Wastes

### PART-E

	Total Quantity in Kgs	
	During the previous financial year 2019-2020	During the current financial year 2020-2021
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	1025	41825
3) Disposed	Nil	Nil

### 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) Retrofitting of ETP Aeration Tank and ITMP of all equipment were done
- (2) Provision of occupancy sensor, LED light and replacement of old Motor with energy efficient Motor
- (3) Provision / agreement for procurement of Solar power / Conventional Energy

### PART-H

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

- 1.) Installation of Magentic Flow meter for monitoring of incoming effluent.
- 2.) The plant operation / new molecule production is being done through PLC system
- 3.) Implementation of Hazop Recommendation to have safe operation

### PART-I

Any other particulars for improving the quality of the environment.

- (1) Renovation and cleaning of Aeration Tank to have effective volume utilization
- (2) Cleaning of Primary Settling Tank, Equalization Tank, Final Treated Effluent Storage Tank etc were done to increase the effective volume and retention period.

Date: 5-Sep-21



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

Name: Abhay Arora

Designation: Factory Manager

Address: CHEMINOVA INDIA Limited,  
TECHNICAL Division,  
Plot no 241, 242/2 & 241/P,  
GIDC Estate, Panoli-394116,  
Dist. Bharuch, Gujarat.

## Six Monthly EC Compliance Report

ANNEXURE -1

Sr No	Product / Raw Material	CCA Qty MT / Year
1	Natural gas based captive power plant	2.042
2	NEONICOTINOID/AMIDE: - IMI DACLOPRID TECH (I), THIACTOPRID (I), ACETAMIPRID (I), BEFLUBUTAMIDE TECH (H), FLUBENDAMIDE (I), CHLORANTRANILIPROLE (I), RYNEXAPYR (I), CYMOXANIL (F), THIFLUZAMIDE (F), CARBOXIN (F), CAPTAN (F), PRETILACHLOR (H), PROPYZAMIDE (H), PETHOXAMIDE (H), SNA(INT.)-(2-AMINOSULFONYL-N,N-DIMETHYLNICOTINAMIDE), MST(INT.)-(2-METHOXYCARBONYL)THIOPHENE-3-SULFONAMIDE), FLUFENACET (H), BOSCALID (F) etc.	225
3	KETONE: - DIMETHOMORPH TECH. (F), CLETHODIM (H), BUTROXYDIM (H), SPIROMESIFEN (I), MESOTRIONE (H), SULCOTRIONE (H), IBP (INT.)-(ISOBUTYROPHENONE), PYMETROZINE (I) etc.	60
4	ETHER: - PROPARGITE TECH. (I), OXYFLUORFEN (H), ETOXAZOLE (I), EEA (INT.)-(2-ETHOXY ETHYL AMINE), S-CYNO-MPB (INT.) etc.	60
5	ESTER/PYRETHROID: - FENOXAPROP-P-ETHYL TECH. (H), BIFENAZATE (I), QUIZALOFOP-P-ET (H), CLODINAFOP-PPG (H), ACRINATHRIN (I), BIFENTHRIN (I), CYHALOTHRIN (I), GAMMA-CYHALOTHRIN (I), LAMDA- CYHALOTHRIN (I), CYPERMETHRIN (I), AND ITS ANALOGS, DELTA-METHRIN (I), --CYFLUTHRIN (I) AND ITS ANALOGS, PERMETHRIN (I), BIOALLETHRIN (I), FENVALERATE (I), IMIPROTHRIN (I) etc.	150
6	CARBAMATE & THIO BASED PRODUCTS: - CARTAP.HCL TECH. (I), THIODICARB (I), THIOPHANATE-ME (F), PROPINEB (F), METIRAM (F), THIRAM (F), ISOPROTHIOLANE TECH (I), THIOCYCLAM (I), PROTHIOCARB (F), FLUTIANIL (F) etc.	100
7	QUATERNARY SALT AND OTHER SALTS, ACID BASED PRODUCTS: - MEPIQUAT CHLORIDE TECH. (I), CHLORMEQUAT CHLORIDE (I), OTHER SALTS: COPPER HYDROXIDE (BACTERICIDE,F), COPPER SULPHATE (ALGICIDE,F), etc., FLUPROPANATE-NA TECH (H) + HPPA (INT.)-(2-HYDROXYPHENYLACETIC ACID), BBA (INT.)-(BROMOBUTYRICACID), HPPA-INT.(2-(4-HYDROXYPHENOXY)PROPANATE), PICLORAM (H), DICAMBA (H), 2-CYANOPHENOL (INT.) etc.	68
8	TRIAZOLS: - 2,6 DICHLOROBENZOXAZOLE (INT.), ISOXAFLUTOLE (H), FLURASULAM (H), TDA (INT.) (TRIFLUOROMETHYLTHIAZOLE), FLUTRIAFOL TECH (F), PROTHICONAZOLE (F), SULFENTRAZONE (H), CARFENTRAZONE-ET (H) etc. TRIAZOLS: - FIPRONIL TECH (I), PROPICONAZOLE (F), EPOXYCONAZOLE (F), TEBUCONAZOLE (F), DIFENOCONAZOLE (F), HEXACONAZOLE (F), TRICYCLAZOLE (F), MYCLOBUTANIL (F), FLUSILAZOLE (F), PACLOBUTRAZOLE (PGR), THIAMETHOXAM (I), CHLOROTHALONIL (F), TRIADIMEFON (F), ISOXADIFEN-ET (SF)	400
9	HETEROCYCLIC (PYRIMIDINE/PYRIDINE/TRIAZINE): - BISPYRIBAC-NA TECH. (H), PIRIMICARB (I), PYRITHIOPAC-NA (H), FLUMETSULAM (H), CYPRODINIL (F), FLORASULAM (H), PENOXSULAM (H), DCP (INT.)-(4,6-DICHLOROPYRIMIDINE), ACMP (INT.)-(2-AMINO-4-CHLORO-6-METHOXYPYRIMIDINE), IMAZETHAPYR TECH. (H), PYRIDALYL TECH (I), DIFLUFENICAN (H), CLOQUINTOCET-MEXYL(SF) HETEROCYCLIC (PYRIMIDINE/PYRIDINE/TRIAZINE): - FLUAZINAM (F), FENPYROXIMATE TECH. (I), METRIBUZIN (H), AMITRAZ (I), CLOFENTEZINE (I), MMT (INT.)-(2-METHOXY-4-METHYL-6-METHYLAMINO-1,3,5-TRIAZINE, METOXYFENOZIDE (I), FENCHLORIM (SF), 2-HYDROXY-3,5,6-TRYCHLOROPYRIDINE & ITS SODIUM SALT (INT. OF CHLORPYRIPHOS) etc.	185
10	Ryanxypyr	935
11	Isoxazolidinone sodium solution	650
12	4S Zeta Cypermethrin F-2700 Zeta Cypermethrin	150



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### ANNEXURE -2

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- 65%, SiO2-5%,water -15% Other calcium salt 15%	Collection,Disposal,Storage, Transportation, Disposal to TSDf (BEIL/SEPPL)
2	Evaporation Salt	Solid	35.3	x	85	pH- 8 to 10, Moisture -15 %, CV-450 Cal/ gm Salt 75% Other -10 %	Collection,Disposal,Storage, Transportation, Disposal to TSDf (BEIL/SEPPL)
3	Used Oil	Liquid	5.1	0.94	N.A.	N.A.	Collection,Disposal,Storage, Transportation, Disposal by selling to Recycler, Refiner
4	Discarded Container , Liners	Solid	33.1	x	N.A.	MS, HDPE, GI,	Collection,Disposal,Storage, Transportation, Disposal by selling to Deceontaimatiion facility
5	Discarded Bags , Liners	Solid	33.1	x	N.A.	Plastic, Liner	Collection,Disposal,Storage, Transportation, Disposal to TSDf / CHWIF of (BEIL/SEPPL)
6	ProcessWaste	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
7	Incineration Ash	Solid	37.2	x	80	Nacl -6%, PO4- 10 %, SO4 -8%, Na2SO4-18%, Alkali as NaOH 20%	Collection,Disposal,Storage, Transportation, Disposal to TSDf (BEIL/SEPPL)
8	Spent Solvent	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

