

Date: 28-12-2022

Ref.: CIL-INTER/ EC-Comp / 02/2022

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

Sub: Submission of Compliance Report of M/s. Cheminova India Limited (Intermediate Division) for our EC No. IA-J-11011/53/2018-IA-II (I), dated 31/12/2019 for the period of June 2022 to November 2022.

Respected Sir,

In accordance to the condition specified in our EC, we hereby submit duly filled datasheet for monthly Monitoring report (June 2022 to November 2022) for implementation of stipulated conditions of our EC together with point wise compliance status of various stipulations.

Following are the Annexure to this report:

Annexure No.	Annexure Details
A	Monitoring report data sheet
1.	Compliance report of EC
2.	Compliance report of CC&A/CTO Amendment
3.	Copy of existing EC and CC&A/CTO
4.	Annual return- Form-4 (2021-2022)
5.	Environmental statement- Form V (2021-2022)

Please find the above in order and acknowledge receipt.

Thanking You,

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


Authorized Signatory

SIX MONTHLY EC COMPLIANCE REPORT

(June 2022 to November 2022)

For



M/s. Cheminova India Limited (Intermediate Division)

(Manufacturing of Pesticides & Pesticide specific Intermediates)

Plot No. (27+28)/A, Notified GIDC Industrial Estate, Panoli,
Dist. Bharuch 394 116, State-Gujarat, India.

Submitted to:

The Ministry of Environment, Forests & Climate Change

Regional Office, Scientist C, Integrated Regional Office,
Aranya Bhavan, Sector-10,
Gandhinagar – 382 010

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A –Six Monthly Monitoring Report - DATA SHEET

Monitoring the Implementation of Environmental Safeguards

Ministry of environment & Forests

Regional Office (W), Gandhinagar

Six Monthly Monitoring Reports

PART – 1

From: 01.06.2022 to 30.11.2022

No. Cheminova-Int/EC-Datasheet/01-2022		
1	Project Type : River-Valley / Mining Industry / Thermal / Nuclear / other (Specify)	: Pesticides Industry and Pesticide Specific Intermediates (Excluding Formulations)
2	Name of the Project	: Expansion of Pesticide and Pesticide Specific Intermediates at Existing Unit M/s. Cheminova India Limited (Intermediate Division).
3	Clearance Letter(s)/ OM No. & Date	: IA-J-11011/53/2018-IA-II(I), Date: 31 st December 2019
4	Location	
	a]. District (s)	: Bharuch
	b]. State (s)	: Gujarat
	c]. Latitude / Longitude	: 21°32'50.49"N/ 72°59'52.28"E
5	Address for Correspondence	: Plot No. (27+28)/A, Notified GIDC Industrial Estate, Panoli, Dist. Bharuch 394 116, State-Gujarat, India.
	a]. Address of Concerned Project Chief Engineer With Pin code & Telephone / Telex / Fax Numbers.	: Mr. Anil N Shah Tel. – 9714993368
	b]. Address of Executive Project Engineer / Manager (with Pin code / Fax Number)	: Mr. Anil N Shah Tel. – 9714993368
6	Salient Features	
	a]. Of the Project	: As detailed below
	Components	Proposed Scenario
	EC No.	IA-J-11011/53/2018-IA-II(I)
	Environmental Clearance accorded for- Total Power Requirement	Product name attached in Annexure-1 3500 KVA
	Source of Power	DGVCL
	Fresh Water requirement	764 KL/day
	Source of Water Supply	GIDC water supply
	Wastewater Generation	Industrial : 833 KL/day Domestic : 45 KL/day
	Process Emissions	HCl, NH ₃ , Cl ₂ , SO ₂ , NO _x , H ₂ S, CO, HC, PM
	Flue Gas Emission	PM, SO ₂ , NO _x
	Fuel Type	Natural gas, HSD, Briquettes/ Bagasse/ Groundnut shell

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Fuel Requirement		Natural Gas- 10800 Nm ³ /h, HSD- 800.7 L/h, Briquettes/ Bagasse/Groundnut shell - 2970 kg/h	
Man power		Total: 600 (Company + Contract) 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	For Air Environment Management <ul style="list-style-type: none"> 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. Work place monitoring to be carried out periodically to check fugitive emissions, if any. To develop and maintain greenbelt, in and around the factory, for reducing the effect of air pollutants due to their deposition. To follow proper loading and unloading practices to minimize dusting To maintain proper record for the fuel consumption, start-up time and duration of boiler operation towards energy conservation 	<ul style="list-style-type: none"> Company maintains its own records and monitors the ambient air and flue gas emission within premises periodically. Monitoring of ambient air & flue gas analysis is done by Siddhi Green Excellence Pvt Ltd., Ankleshwar. Work place monitoring to be carried out periodically by Siddhi Green Excellence Pvt Ltd., Ankleshwar. Unit has developed & maintained greenbelt area. Unit is having closed system for loading and unloading of chemicals. Unit is maintaining records for the fuel consumption, start-up time and duration of boiler operation towards energy conservation 	
3	For Water Environment Management <ul style="list-style-type: none"> To investigate possibilities of water reuse and recycling for reducing water consumption and wastewater generation Records of water consumption, effluent generation, effluent discharge, water characteristics, treated and untreated effluent characteristics to be maintained. To monitor the adequacy and efficiency of ETP so that the effluent is given suitable treatment and the treated effluent meets specified norms of available CC&A of GPCB. The effluent collection and discharge drainages, effluent handling and treatment systems to be maintained and regularly monitored to prevent leakages or sudden break-down. Proper house-keeping to be adopted to prevent spillages and contaminated surface runoff going to storm water drains. 	<ul style="list-style-type: none"> Reuse and recycling options are being investigated together with feasibility of rainwater harvesting. Unit is maintaining records of water consumption, effluent generation, effluent discharge, water characteristics, treated and untreated effluent characteristics. The adequacy and efficiency of ETP is maintained well and the effluent is treated appropriately at all the stages. The Treated effluent is further processed in R.O.Plant and MEE Plant. The R.O. Permeate is reused within premises. 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. Good house-keeping practices have been implemented by the unit to prevent spillages and contaminated surface runoff going to storm water drains. 	
4	For Hazardous / Non-hazardous waste management <ul style="list-style-type: none"> Proper storage and handling arrangements in 	<ul style="list-style-type: none"> Appropriate storage and handling 	

SIX MONTHLY EC COMPLIANCE REPORT

	<p>compliance to the conditions of authorization granted by SPCB.</p> <ul style="list-style-type: none">• Proper signboards to be provided at relevant places.• All the necessary regulatory procedures as per the amended Hazardous Waste Management & Handling Rules – 2003 to be followed and adhered with.• The transportation of hazardous waste to the TSDF Site to be as per the guidelines and accompanied with Form-9.• Monthly records of generation, storage and disposal of hazardous waste should be maintained in a record register as per the format of Form-3 as per amended Hazardous Waste rules – 2003 and annual returns of disposal to be submitted to SPCB in prescribed form – 4 and form – 13.	<p>arrangements for all the hazardous waste are provided as per the conditions specified in the authorization granted by GPCB.</p> <ul style="list-style-type: none">• Signboards are provided at relevant places.• Unit is following all the applicable regulatory procedures as per the amended Hazardous Waste Management & Handling Rules – 2016.• Unit is following guidelines for transportation of hazardous waste to all the TSDF & CHWIF and is accompanied with form-9.• 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.																
Note: Environment Statement– Form V (Financial year -2021-2022) is attached as Annexure-4.																		
7	Production details during compliance period and (or) during the previous financial year	<table><tr><th colspan="2">Production Details</th></tr><tr><th>Month</th><th>Quantity (MTM)</th></tr><tr><td>June 2022</td><td>484.970</td></tr><tr><td>July 2022</td><td>478.700</td></tr><tr><td>August 2022</td><td>450.000</td></tr><tr><td>September 2022</td><td>460.000</td></tr><tr><td>October 2022</td><td>410.000</td></tr><tr><td>November 2022</td><td>406.225</td></tr></table>	Production Details		Month	Quantity (MTM)	June 2022	484.970	July 2022	478.700	August 2022	450.000	September 2022	460.000	October 2022	410.000	November 2022	406.225
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8	Break Up of the Project Area	: Notified GIDC Industrial Estate, Panoli.																
	a]. Submergence area : forest & Non-forest																	
	b]. Others																	
9	Breakup of the project affected population with enumeration of those losing houses / dwelling units, only agricultural land, dwelling units & agricultural land & landless laborers / artisan.	: Not applicable since unit is located in Notified GIDC Industrial Estate, Panoli																
	a]. SC , ST / Adivasis	: ---																
	b]. Others	: ---																
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)	: ---																
10	Financial Details	:																
	a]. Project cost as originally planned and subsequent revised estimates and the year of price reference	: Rs. 790.36 crore (For proposed Expansion only)																
	b]. Allocation made for environmental management plans with item wise and year wise break-up.	: As follows																
	<table><tr><th>Sr.No.</th><th>Particulars</th><th>Recurring Cost Per Annum [Rs. In lakh]</th><th>Capital Cost (Rs. In lakh)</th></tr><tr><td>1</td><td>Air Pollution Control</td><td>683</td><td>600</td></tr><tr><td>2</td><td>Water Pollution Control</td><td>1366</td><td>1200</td></tr><tr><td>3</td><td>Noise Pollution Control</td><td>5</td><td>3</td></tr></table>	Sr.No.	Particulars	Recurring Cost Per Annum [Rs. In lakh]	Capital Cost (Rs. In lakh)	1	Air Pollution Control	683	600	2	Water Pollution Control	1366	1200	3	Noise Pollution Control	5	3	
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1	Air Pollution Control	683	600															
2	Water Pollution Control	1366	1200															
3	Noise Pollution Control	5	3															

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	4	Environment Monitoring & Management	153	90
	5	Occupational Health & Safety	50	12
	6	Green Belt development & maintenance	20	5.0
	7	Solid waste management	228	8290
	TOTAL Planned		2505	10200
	c]. Benefit cost ratio / Internal rate of return and the year of assessment		:	Not applicable
	d]. Whether (c) includes the cost of environmental management as shown in the above		:	Yes
	e]. Actual expenditure incurred on the project so far		:	2214 Lacs
	f] Actual expenditure incurred on the Environmental Management Plan so far		:	766 Lacs
11	Forest land Requirement		:	Notified GIDC Industrial Estate, Panoli
	a]. The status of approval for diversion of forest land for non-forestry use		:	--
	b]. The Status of clearing felling		:	--
	c]. The status of compensatory afforestation, if any		:	--
	d]. Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far		:	--
12	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.		:	Notified GIDC Industrial Estate, Panoli
13	Status of construction		:	Construction Initiated
	a]. Date of commencement (Actual and / or Planned).		:	-
	b]. Date of completion (Actual and / or Planned)		:	Based on the commissioning of project within Five years.
14	Reasons for the delay if the project is yet to start		:	
15	Dates of site visits			
	a]. The dates on which the project was monitored by the Regional Office on Previous occasions, if any		:	--
	b]. Date of site visit for this monitoring project		:	14-11-2022 (Visit by GPCB)
16	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits		:	--
	(The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently.)		:	--

Note: EC Compliance & CC&A/CTO compliance reports are attached as **Annexure –1& 2.**

SIX MONTHLY EC COMPLIANCE REPORT

Annexure 1 -Compliance report of Environment Clearance

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 pesticides and pesticide specific intermediates from 19705 TPA to 47681 TPA by M/s. Cheminova India Limited (Intermediate Division) in an area of 149163.17 sq. m. located at Plot Nos. (27+28)/A, GIDC Industrial Estate, Panoli, Taluka:Ankleshwar, District Bharuch (Gujarat).				Noted																
3.	The details of products are as under:-				Noted. Unit has been obtained partial CC&A Amendment. Production data as per existing CTO is as below: <table><tr><th colspan="2">Production Details for Compliance period: June 2022 to November 2022</th></tr><tr><th>Month</th><th>Quantity (MT/Month)</th></tr><tr><td>June 2022</td><td>484.970</td></tr><tr><td>July 2022</td><td>478.700</td></tr><tr><td>August 2022</td><td>450.000</td></tr><tr><td>September 2022</td><td>460.000</td></tr><tr><td>October 2022</td><td>410.000</td></tr><tr><td>November 2022</td><td>406.225</td></tr></table>	Production Details for Compliance period: June 2022 to November 2022		Month	Quantity (MT/Month)	June 2022	484.970	July 2022	478.700	August 2022	450.000	September 2022	460.000	October 2022	410.000	November 2022	406.225
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	SN	Name of Product	Quantity (MT/Annum)																		
			Existing (TPA)	Proposed (TPA)		Total (TPA)															
	1.	Phosphorous Trichloride (PCL ₃)/ Phosphoryl Chloride (POCL ₃)	1000	--		1000															
	2.	Tri Methyl Phosphite(TMP) OR Tri Ethyl Phosphite(TEP)	100	--		100															
	3.	Diethyl Thio Phosphoryl Chloride (DETPC)/Sodium Salt Of Diethyl Thio Phosphoryl Chloride (Na-DETA)	5330	2670		8000															
4.	Cyhalothrin Acid	250	--	250																	
5.	Phosphorous Penta Sulphide(P ₂ S ₅)	3400	--	3400																	
6.	Acid Based Products [2-Bronobutyric Acid (INT),Ethyl 2-(4-Hydroxy Phenoxy) Propionate (O- HPPA) (INT), Thiocyclam (I), Bispyribac-Sodium (H), Methoxy Amine Hydrochloride (INT), 2-Hydroxyphenyl Acetic Acid (HPPA) (INT), Amino Acid (INT)] etc.	150	--	150																	
7.	Amide Group Based Products [Pretilachlor (H), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I),Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide(F), Flufenacet (H), 2 Aminosulfonyl-N-N- Dimethylnicotinamide (SNA) (INT), 2- (Methoxycarbonyl) Thiophene Thiophene-3 Sulfonamide (MST) (INT)] etc.	150	--	150																	
8.	Aniline Group Bases Products [Pendimethalin(H), Fluazinam (F), ,Metaiaxyi (F), Famoxadone (F)] etc.	1200	--	1200																	
9.	Azine group based products Fenpyroximate (I), Metribuzin (H), Pymetrozin (I), Arnitraz (I), Indoxacarb (I), Cofentazine (I), 2 Methoxy-4-Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (INT) etc.	300	--	300																	
10.	Azole Group Based Products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener)isoxadifen Ethyl (Int), Iridacloprid (I), 2, 6 Dichlorobenzoxazolone(Int), Penoxasulam(H)] etc.	200	--	200																	
11.	Carbamate Group Based Product [Thiodicarb(I), Propineb (F), Metiram (F), Thiram(F), Cartap Hydrochloride (I), Thiophanate Methyl (F)] etc.	500	--	500																	



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Sr. No.	Conditions	Compliance Status		
12.	Ester group based products [Fenoxaprop-p-Et (H), Clodinafop-Pr(H), Quizalofop-p-ethyl (H), Quinzofofop-p-terfuryl(H), Cyhalofop(H), Isoprothiolane (F), Alphamethrin(I), Lambda Cyhathrin(I), Cypermethrin (I), Bifenazate(I), Phthalide (Int) etc.	300	--	300
13.	Ether group based products [Propargite(I), oxyfluorfen(H), 2 Ethoxy Ethyl Amine (Int), S- Cyano MPB (Int)] etc.	200	--	200
14.	Ketone group based product [Mesotrione(H), Suctioned (H), Isoxanutole(H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc.	1200	--	1200
15.	Phosphate group based product [Chlorpyrifos (I) or its intermediate Na-TCP (Int), Acephate(I), Monocrotophos(I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos(I), Ethepon (PGR)] etc.	5000	--	5000
16.	Pyridine group based product [Pyridalyl(I), Imazethapyr(H) Cloquintocet Methyl(H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxystrobin(F) etc	250	--	250
17.	Urea group based product [Buprofezin(I), Lufenuron (I), Linuron (H), Diafenthiuron(I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox(I), Spiromesifen(I), Azimsulfuron(H), Sulfonyl Ureas(H)] etc.	100	--	100
18.	Phenol group based product [2- Cyanophenol (Int), 4- Fluro-3 trilluromethylphenole (Int)] etc.	75	---	75
19.	Sulfentrazone	---	2000	2000
20.	F-9600 (2-(2,4-Dichlorobenzyl)-4,4-Dimethylisoxazolidin-3-one)/Bixlozone	---	4200	4200
21.	F 9990 (Fluindapyr)	---	1200	1200
22.	Malathion	---	10000	10000
23.	F-4050 (2-(4-Fluro-3-(Trifluoromethyl)Phenoxy)-N-Benzylbutanamide	---	1500	1500
24.	Beflubutamide	---	450	450
25.	Gamma Cyhalothrin	---	300	300
26.	Bifenthrin	---	300	300
27.	Clomazone	---	2000	2000
28.	FMC-57091 (4,4-Dimethyl Isoxazolidin-3-One)/(Isoxazolidinone)	---	2600	2600
29.	Thifensulfuron Methyl	---	205	205
30.	Tribenuron Methyl	---	215	215
31.	Metsulfuron Methyl	---	200	200
32.	Ethametsulfuron Methyl	---	10	10
33.	Chlorsulfuron	---	60	60
34.	Triflusulfuron Methyl	---	50	50
35.	Azimsulfuron	--	4	4
36.	Flupyrasulfuron Methyl Sodium	---	12	12
	Total	19705	27976	47681
4.	Existing land area is 149163.17 sqm. No additional land will be required for the proposed expansion. Industry has			Noted. The condition mentioned beside will be followed.

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Sr. No.	Conditions	Compliance Status														
	developed greenbelt in an area of 49497 sqm covering 33.18% of total project area. The estimated project cost is Rs. 790.36 crores. Total capital cost earmarked towards environmental pollution control measures is Rs 25.05 crores and the recurring cost (O&M) will be about Rs 102 crores per annum. The project will provide employment for 178 persons directly and 422 persons indirectly after expansion.															
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 flows at a distance of 1.66 km in west direction.	Noted.Unit is located within Notified GIDC Industrial Estate, Panoli.														
6.	Total water requirement is estimated to be 1351 cum/day, which includes fresh water requirement of 764 cum/day, proposed to be met from GIDC supply.	Unit shall adhere to the condition after the commencement of the project. Present water consumption is within the limits as specified in existing CC&A. Details are as below: <table><tr><th>Month</th><th>Quantity (KL/Month)</th></tr><tr><td>June 2022</td><td>8922</td></tr><tr><td>July 2022</td><td>7665</td></tr><tr><td>August 2022</td><td>8259</td></tr><tr><td>September 2022</td><td>8385</td></tr><tr><td>October 2022</td><td>11709</td></tr><tr><td>November 2022</td><td>11311</td></tr></table>	Month	Quantity (KL/Month)	June 2022	8922	July 2022	7665	August 2022	8259	September 2022	8385	October 2022	11709	November 2022	11311
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July 2022	7665															
August 2022	8259															
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November 2022	11311															
	Effluent of 206 cum/day will be treated through Effluent Treatment Plant (ETP) having Primary, Secondary & Tertiary Treatments, & treated effluent of 181 cum/day is discharged into underground conveyance pipeline connected to Final Effluent Treatment Plant (FETP) of M/s. Narmada Clean Tech (NCT). It has been now proposed that after expansion, existing and proposed unit shall ensure zero liquid discharge and there will be no discharge of treated/untreated waste water from the unit.	Total wastewater generation/ treatment in RO Plant is as below: <table><tr><th>Month</th><th>Quantity (KL/Month)</th></tr><tr><td>June 2022</td><td>4475</td></tr><tr><td>July 2022</td><td>4490</td></tr><tr><td>August 2022</td><td>4659</td></tr><tr><td>September 2022</td><td>4437</td></tr><tr><td>October 2022</td><td>4423</td></tr><tr><td>November 2022</td><td>6187</td></tr></table>	Month	Quantity (KL/Month)	June 2022	4475	July 2022	4490	August 2022	4659	September 2022	4437	October 2022	4423	November 2022	6187
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September 2022	4437															
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November 2022	6187															
	RO Plant	MEE Plant														

SIX MONTHLY EC COMPLIANCE REPORT

Sr. No.	Conditions	Compliance Status														
																
	<p>Power requirement after expansion will be 3500 KVA proposed to be met from M/s Dakshin Gujarat Vij Company Limited (DGVCL). Existing unit has one DG set of 1250 KVA. Two more DG sets of 1250 & 1500 KVA will be required under proposed expansion.</p>	<p>At present unit has obtained partial CTO Amendment. Hence Present power consumption is 2700 KVA. Unit shall comply with the given condition.</p> <p>The details of total Power consumption met by M/s Dakshin Gujarat Vij Company Limited (DGVCL) as below</p> <table><tr><th>Month</th><th>Power Consumption (Kwh)</th></tr><tr><td>June 2022</td><td>1102290</td></tr><tr><td>July 2022</td><td>956430</td></tr><tr><td>August 2022</td><td>988350</td></tr><tr><td>September 2022</td><td>989280</td></tr><tr><td>October 2022</td><td>1161450</td></tr><tr><td>November 2022</td><td>1135680</td></tr></table>	Month	Power Consumption (Kwh)	June 2022	1102290	July 2022	956430	August 2022	988350	September 2022	989280	October 2022	1161450	November 2022	1135680
Month	Power Consumption (Kwh)															
June 2022	1102290															
July 2022	956430															
August 2022	988350															
September 2022	989280															
October 2022	1161450															
November 2022	1135680															
	<p>Existing unit has two natural gas-based boilers of 10 TPH capacities each and one briquettes/ bagasse/ groundnut shell-based boiler of 18 TPH capacity. Incinerator (for waste gas) and one natural gas based thermic fluid heater of 10 lakh Kcal/h will be installed in the expansion.</p>	<p>Noted and complied.</p>														
7.	<p>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.</p>	<p>Noted and complied.</p>														
8.	<p>Standard terms of reference (ToR) for the project were granted on 23rd March, 2018. Public hearing is exempted in accordance with the Ministry's OM dated 27th April 2018, as the project site is located in the notified industrial area.</p>	<p>Noted.</p>														


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Sr. No.	Conditions	Compliance Status
9.	The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 8-9 th April, 2019 and 26-28 June, 2019 in the Ministry, wherein the project proponent and their accredited consultant M/s. Siddhi Green Excellence Pvt. Ltd presented the EIA/EMP report complying with the terms and conditions of the ToR, and recommended the proposal for environmental clearance to the project with certain conditions.	Noted. 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 dated 31 st October 2019 and Ministry's communication dated 24 th October 2019 regarding compliance of Hon'ble NGT order dated 19.8.2019 (published on 23.8.2019) in OA No. 1038/2018.	Noted.
11.	Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for Expansion of Pesticides and Pesticide Specific Intermediates from 19705 TPA to 47681 TPA by M/s. Cheminova India Limited (Intermediate Division) at Plot No.(27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat) , under the provisions of the EIA Notification, 2006, read with subsequent amendments therein, subject to compliance of the terms and conditions as environmental safeguards, as under: -	Noted.
	(i) Consent to Establish/Operate (CTE/CTO) for the project shall be obtained from the State Pollution Control Board (SPCB) as required under the Air (Prevention and Control of Pollution) Act, 1981 and the water (Prevention and Control of Pollution) Act, 1974, and the SPCB shall follow the mechanism/protocol issued by the Ministry vide letter no. Q-16017/38/2018-CPA dated 24 th October, 2019 and forwarded by Central Pollution Control Board vide letter dated 25 th 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 was obtained via out ward No. 15866 dated 4 th June 2020. Partial CTO Amendment was granted on 05-09-2022. CTO-Amendment Copy is attached as Annexure -3.
	(ii) Zero Liquid Discharge shall be ensured including existing facility and the proposed expansion facility and no waste/treated water shall be discharged outside the premises.	Unit is complying with the given condition. Unit has maintained ZLD from November 2021. Unit has also obtained CTO and maintain ZLD.
	(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 strictly adheres to the given condition.
	(iv) National Emission Standards for Pesticides Manufacturing Industry issued by the Ministry vide G.S.R.446(E) dated 13 th June, 2011, as amended from time to time, shall be followed.	Noted.
	(v) No pesticides/chemicals banned by the Ministry of agriculture and Farmers welfare, or having LD ₅₀ <100 mg/kg shall be produced. Also, no raw material/solvent prohibited by the concerned regulatory authorities from time to time, shall be used for production of pesticides.	Unit commits that No pesticides/chemicals banned by the Ministry of agriculture and Farmers welfare, or having LD ₅₀ <100 mg/kg shall be produced and no prohibited raw material/solvent shall be used for production.
	(vi) To control source and the fugitive emissions (at 99.98%), suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Noted & complied.

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Sr. No.	Conditions	Compliance Status									
	<p>(vii) Solvent management shall be carried out as follows :</p> <p>(a) Reactor shall be connected to chilled brine condenser system.</p> <p>(b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.</p> <p>(c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.</p> <p>(d) Solvents shall be stored in a separate space specified with all safety measures.</p> <p>(e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.</p> <p>(f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.</p> <p>(g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.</p>	All requirements shall be ensured, fulfilled and taken care during execution of project									
	(viii) Total fresh water requirement shall not excess 764 cum/day to be met from GIDC water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.	Noted and Complied.									
	(ix) Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system	Well-structured storm water drainage network is already available at site.									
	(x) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and solvent transfer through pumps.	Unit has provided flame arresters in tank farm and solvent transfer is done through pumps with mechanical seals.									
	(xi) Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	<p>Hazardous waste disposal details during the period June 2022 to November 2022 is as below:</p> <table border="1"> <thead> <tr> <th>Hazardous Waste Name</th><th>Disposal Quantity (MT)</th><th>Disposal mode</th></tr> </thead> <tbody> <tr> <td>Process waste and res residue</td><td>729.515</td><td>Co-Processing</td></tr> <tr> <td>ETP sludge</td><td>489.350</td><td>TSDF site</td></tr> </tbody> </table>	Hazardous Waste Name	Disposal Quantity (MT)	Disposal mode	Process waste and res residue	729.515	Co-Processing	ETP sludge	489.350	TSDF site
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Process waste and res residue	729.515	Co-Processing									
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	(xii) The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act, 1989.	Unit 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 are taken for transportation of Hazardous chemicals and guidelines of the Motor Vehicle Act, 1989 shall be followed.									
	<p>(xiii) The company shall undertake waste minimization measures as below:-</p> <p>(a) Metering and control of quantities of active ingredients to minimize waste.</p> <p>(b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</p> <p>(c) Use of automated filling to minimize spillage.</p> <p>(d) Use of Close Feed system into batch reactors.</p>	Unit shall follow the given condition.									

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Sr. No.	Conditions	Compliance Status
	<p>(e) Venting equipment through vapour recovery system.</p> <p>(f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.</p> <p>(xiv) The green belt of at least 5-10 m width shall be developed in nearly 40% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. In addition, the project proponent shall develop greenbelt outside the plant premises also such as avenue plantation, plantation in vacant areas, social forestry etc.</p>	<p>The unit has developed 49471 sq. m. (~33.17%) of total plot area within plan premises. An Additional 11000 sq.m. (7.37%) area provided outside the premise (in GIDC) which is in progress and total green belt area will be 40%.</p>
	 <div style="display: flex; justify-content: space-around; margin-top: 5px;"> Greenbelt along the approach road Near car parking and admin building Near process plant Greenbelt near utility section </div>	
	<p>(xv) As committed, fund allocation for the Corporate Environment Responsibility (CER) shall be 5% of the total project cost. Item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.</p>	<p>Unit shall follow the given condition.</p> <p>Fund allocation for 2022 CER/CSR jobs for both Technical & Intermediate are as follow:</p> <ul style="list-style-type: none"> • Providing skill training and support for women empowerment to Kharod village = 6.50 lakh =completed in June2022 • Providing skill training and support for women empowerment to Sanjali village = 6.50 lakh =completed in June2022 • Providing streetlight and solar roof top to Umarwada village as sustainable solution = 25 lakh = Completed in May2022 • Sponsorship of Cricket tournament trophy to kharod village to encourage sports activities in younggeneration= 1.15 lakh = completed in June22

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Sr. No.	Conditions		Compliance Status
			Total Fund Allocation In CER= 39.15 Lakh
	(xvi) Safety and visual reality training shall be provided to employees.		In house-training programs are conducted on monthly basis for SOPs and safety as per yearly plan. Details are as below:
Sr. No.	Training Subject	Trainee Roles	Department
1.	Hot Work	General Awareness	
		(1) Fire Watch	Security Person/Contract Supervisor/Trainees
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
4.	Elevated Work	(2) Affected Person	Production, Environment, Utility, Quality Control (QC), Research & Development (R&D), Formulation -R&D, Boiler
		Detailed Training	
5.	Line Breaking and Equipment Opening	(1) Competent Person	
		Detailed Training	
6.	HAM	(1) Equipment Owner	Production Department
		(2) Work Performing Group	Engineering Department
7.	Security Standard	Detailed	All Department and Contractor
8.	Hose Management Standard	Detailed	All Department
		Detailed Training	Production / Engineering
9.	Decommissioning		Contractor
		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	Detailed Training	QC and R&D Department

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Sr. No.	Conditions			Compliance Status
	Storage			
	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
	Incident Management standard,	Detailed Training		All Department
14.	Effective Injury and			
	Illness Case			
	Management Guideline			
15.	Process Safety Module	Detailed Training		Manufacturing / Engineering /
16.	No-1 and No-2			Technical Services






Photographs of trainings:



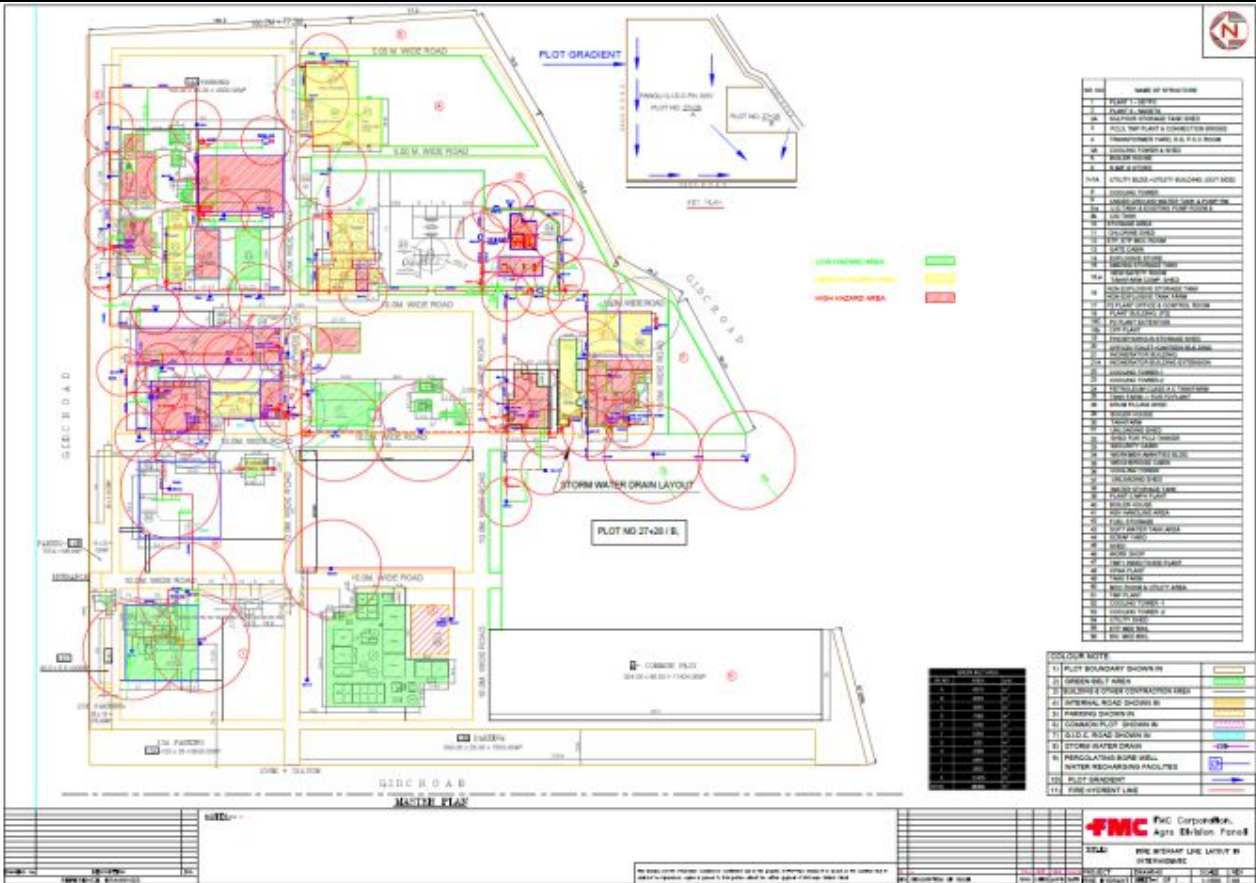
(xvii) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.

Presently, unit has appointed third party for carrying out regular monitoring of Flue gas analysis. Analysis reports for reference is attached below:

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Sr. No.	Conditions	Compliance Status																																																																							
	<div style="text-align: center;">  Siddhi Green Excellence PRIVATE LIMITED  </div> <p style="text-align: center;">TEST REPORT</p> <p>REPORT NO. : SC/CIL/DIST/OCT/2022/21 Date of Issue : 22-10-2022</p> <p>Issued to: M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)</p> <p>Address: PLOT NO.27,28/A GIDC ESTATE PANOLI, TA. ANKLESHWAR, DIST. BHARUCH-394115</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">SR.NO.</th> <th style="width: 55%;">DESCRIPTION</th> <th style="width: 40%;">FLUE GAS STACK EMISSION ANALYSIS</th> </tr> </thead> <tbody> <tr> <td></td> <td>Particulars of Sample</td> <td>Stack No.1</td> </tr> <tr> <td>1</td> <td>PCB ID of Stack</td> <td>-</td> </tr> <tr> <td>2</td> <td>Sample ID</td> <td>24989-FS-02</td> </tr> <tr> <td>3</td> <td>Name of Stack</td> <td>D.G.SET (1250 KVA)</td> </tr> <tr> <td>4</td> <td>Source</td> <td>D.G.SET (1250 KVA)</td> </tr> <tr> <td>5</td> <td>Date & Time of sampling</td> <td>21-10-2022 & 12:50 h</td> </tr> <tr> <td>6</td> <td>Date of Receipt</td> <td>21-10-2022</td> </tr> <tr> <td>7</td> <td>Date of Analysis start</td> <td>21-10-2022</td> </tr> <tr> <td>8</td> <td>Date of Completion</td> <td>22-10-2022</td> </tr> </tbody> </table> <p>Sampling Plan & Sampling Method Used : Lab Document SCLAB01</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Details of Stack</th> </tr> </thead> <tbody> <tr> <td>1 Stack Height</td> <td>9 m</td> </tr> <tr> <td>2 Stack Diameter</td> <td>400 mm</td> </tr> <tr> <td>3 Temperature of Flue gas</td> <td>124 °C</td> </tr> <tr> <td>4 Velocity of Flue gas</td> <td>9.2 m/s</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Details of Flue Gas</th> </tr> </thead> <tbody> <tr> <td>1 Type of Fuel</td> <td>HSD</td> </tr> <tr> <td>2 Rate of Consumption</td> <td>80 L/h</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">PARAMETERS ANALYSED</th> <th style="width: 10%;">UNIT</th> <th style="width: 20%;">TEST METHOD</th> <th style="width: 10%;">PERMISSIBLE LIMIT (NOTE 2)</th> <th style="width: 10%;">RESULTS</th> </tr> </thead> <tbody> <tr> <td>1 PM @ 12% CO₂</td> <td>mg/Nm³</td> <td>IS:11255 (Part 1)-1985</td> <td>120</td> <td>80</td> </tr> <tr> <td>2 SO₂</td> <td>ppm</td> <td>IS:11255 (Part 2)-1985</td> <td>80</td> <td>29</td> </tr> <tr> <td>3 NO_x</td> <td>ppm</td> <td>IS:11255 (Part 7)-2005</td> <td>40</td> <td>21</td> </tr> <tr> <td>4 CO</td> <td>mg/Nm³</td> <td>SCLAB/STP/STK-05</td> <td>-</td> <td>8</td> </tr> </tbody> </table> <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> <div style="display: flex; justify-content: space-between;"> <div> <p>Verified by:</p>  </div> <div> <p>Authorized Signatory</p> <p>Mrs. K. P. Shah/Mr. P. M. Shah</p>  </div> </div> <p style="text-align: right;">Copy 1 of 2</p> <p>Notes:</p> <ol style="list-style-type: none"> 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 style="text-align: center;">*** End of Report ***</p> <div style="display: flex; justify-content: space-between; font-size: small;"> <div> <p>Format No. : SCLAB/9/Report-03 Issue No. : 02 Issue Date : 11-01-2019 Revision No. : 02 Revision Date : 10-06-2020 Page : 1 of 2</p> <p>U J A S T S</p> <p>ST</p> <p>PLANT/STATION : GIDC ESTATE GIDC ESTATE GIDC ESTATE</p> </div> <div> <p>Regd. Office :</p> <p>"Karnal Arcade - The Vertical Sunlock" Comm. Plot No. C-3/3, GIDC Station Road, Ankleshwar - 393 002, Dist. Bharuch, Gujarat State, (India) Tel. : 02646 - 224865, 223805 E-mail : siddhi.ank@gmail.com</p> </div> <div> <p>Dahej Off. :</p> <p>"SANSKARAVENUE" SHOP NO. GF 37, P.O. JODVA, TA. VAGRA, DIST. BHARUCH TELE : 02641 - 254041</p>  </div> </div>	SR.NO.	DESCRIPTION	FLUE GAS STACK EMISSION ANALYSIS		Particulars of Sample	Stack No.1	1	PCB ID of Stack	-	2	Sample ID	24989-FS-02	3	Name of Stack	D.G.SET (1250 KVA)	4	Source	D.G.SET (1250 KVA)	5	Date & Time of sampling	21-10-2022 & 12:50 h	6	Date of Receipt	21-10-2022	7	Date of Analysis start	21-10-2022	8	Date of Completion	22-10-2022	Details of Stack		1 Stack Height	9 m	2 Stack Diameter	400 mm	3 Temperature of Flue gas	124 °C	4 Velocity of Flue gas	9.2 m/s	Details of Flue Gas		1 Type of Fuel	HSD	2 Rate of Consumption	80 L/h	PARAMETERS ANALYSED	UNIT	TEST METHOD	PERMISSIBLE LIMIT (NOTE 2)	RESULTS	1 PM @ 12% CO ₂	mg/Nm ³	IS:11255 (Part 1)-1985	120	80	2 SO ₂	ppm	IS:11255 (Part 2)-1985	80	29	3 NO _x	ppm	IS:11255 (Part 7)-2005	40	21	4 CO	mg/Nm ³	SCLAB/STP/STK-05	-	8	
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(xviii)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material	The possible arrangement had been made for protection of																																																																							



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	handling. Fire-fighting system shall be as per the norms.	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
		
(xix)	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


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		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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	<div>  <p>MAHAVIR DIAGNOSTIC CENTRE EARLY DIAGNOSIS IS BETTER THAN CURE</p> <p>952/1, Opp. K.M. Manshi Hall, Manav Mandi, New Colony, GIDC, Ankleshwar - 383 002 Phone : (02646) 252911 E-mail: dramitshah@yahoo.com</p> <p>Dr. Amit R. Shah MBBS, AFM</p> <p>Dr. Prasant Shah MBBS, AFM, M.E.S.</p> <ul style="list-style-type: none"> • Medical Advisor & Industrial Health Consultant • Pre-Employment/Periodical Medical Examination • Pre-Placement Medical Examination • Executive Health Check-up • Computerized Audiometry, Spirometry, ECG • Computerized Pathological Laboratory • First Aid Training, ST. John Ambulance Association • Sonography, X-ray • Test Echo • Authorized for medical examination of seafarers </div> <p>CHEMINOVA INDIA LIMITED GIDC PANOLI (FMC SUBSIDIARY) 164</p> <p>NAME: Mr. Paresh M Patel DATE: 28/09/2022</p> <p>EMP CODE:: 147057 DEPT: Site-2 UNIT: Electrical</p> <p>AGE: 47 Years WEIGHT: 77 Kg HEIGHT: 169 cm PULSE: 76/min BP: 124/ 70 mmHg</p> <p>VISION : RIGHT LEFT NEAR : N/ 6 N/ 6 FAR : 6/ 6 6/ 6</p> <p>COLOR VISION : ACCEPTABLE</p> <p>BLOOD EXAMINATION</p> <table border="1"> <thead> <tr> <th>PARAMETERS</th> <th>FINDINGS</th> <th>UNITS</th> <th>NORMAL VALUES</th> <th>PARAMETERS</th> <th>FINDINGS</th> <th>UNITS</th> <th>NORMAL VALUES</th> </tr> </thead> <tbody> <tr> <td>HAEMOGLOBIN</td> <td>13.2</td> <td>gms/dl</td> <td>[M:12-17, F:11-16]</td> <td>BL.SUGAR [R]</td> <td>92</td> <td>mg/dl</td> <td>[80 - 130]</td> </tr> <tr> <td>WBC COUNT</td> <td>8800</td> <td>/cmm</td> <td>[4000 - 11000]</td> <td>S. 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Manshi Hall, Manav Mandi, New Colony, GIDC, Ankleshwar - 383 002 Phone : (02646) 252911 E-mail: dramitshah@yahoo.com</p> <p>Dr. Amit R. Shah MBBS, AFM</p> <p>Dr. Prasant Shah MBBS, AFM, M.E.S.</p> <ul style="list-style-type: none"> • Medical Advisor & Industrial Health Consultant • Pre-Employment/Periodical Medical Examination • Pre-Placement Medical Examination • Executive Health Check-up • Computerized Audiometry, Spirometry, ECG • Computerized Pathological Laboratory • First Aid Training, ST. John Ambulance Association • Sonography, X-ray • Test Echo • Authorized for medical examination of seafarers </div> <p>CHEMINOVA INDIA LIMITED GIDC PANOLI (FMC SUBSIDIARY) 159</p> <p>NAME: Mr. Malkesh B Gandhi DATE: 28/09/2022</p> <p>EMP CODE:: 147291 DEPT: Site-2 UNIT: Production-P2</p> <p>AGE: 39 Years WEIGHT: 86 Kg HEIGHT: 174 cm PULSE: 68/min BP: 134/ 86 mmHg</p> <p>VISION : RIGHT LEFT NEAR : N/ 6 N/ 6 FAR : 6/ 6 6/ 6</p> <p>COLOR VISION : ACCEPTABLE</p> <p>BLOOD EXAMINATION</p> <table border="1"> <thead> <tr> <th>PARAMETERS</th> <th>FINDINGS</th> <th>UNITS</th> <th>NORMAL VALUES</th> <th>PARAMETERS</th> <th>FINDINGS</th> <th>UNITS</th> <th>NORMAL VALUES</th> </tr> </thead> <tbody> <tr> <td>HAEMOGLOBIN</td> <td>13.6</td> <td>gms/dl</td> <td>[M:12-17, F:11-16]</td> <td>BL.SUGAR [R]</td> <td>96</td> <td>mg/dl</td> <td>[80 - 130]</td> </tr> <tr> <td>WBC COUNT</td> <td>7600</td> <td>/cmm</td> <td>[4000 - 11000]</td> <td>S. 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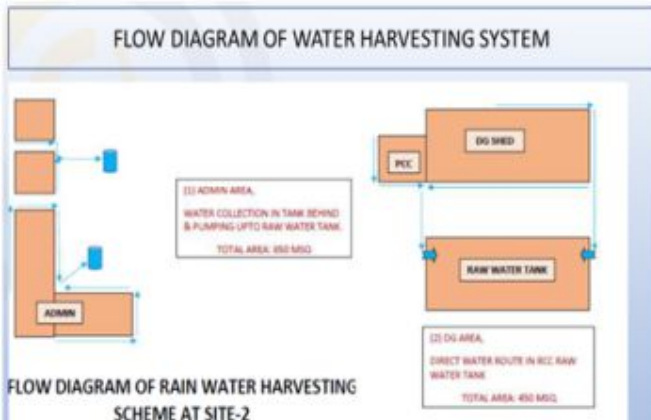

SIX MONTHLY EC COMPLIANCE REPORT

Sr. No.	Conditions	Compliance Status
	(xx) Continuous online (24×7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	CEMS Provided at Briquette based Boiler
		
	(xxi) Mitigation measures suggested during process safety and risk assessment studies shall be undertaken accordingly.	Noted.
11.	The grant of environmental clearance is subject to compliance of other general conditions, as under: -	Noted
1	(i) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Central pollution Control Board, State Government and any other statutory authority.	Noted and agreed.
	(ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted
	(iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Unit carries out Ambient Air quality monitoring. Analysis results of the same is attached for reference:

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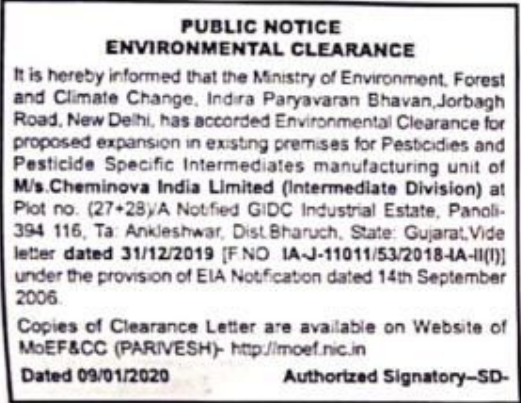

SIX MONTHLY EC COMPLIANCE REPORT

Sr. No.	Conditions	Compliance Status																
	<p>(iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No. 826(E) Dated 16th November,2009 shall be followed.</p> <p>(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).</p>	<p>Unit follows The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No. 826(E) Dated 16th November,2009</p> <p>Noise level measurement is carried out by GPCB recognize Schedule I Environment Auditor- Quarterly & by Third party recognized laboratory-Monthly Reports by Third-Party recognized lab is attached for reference</p>																
	<p>(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>	<p>The rain water harvesting work as a roof rain water harvesting program inside premises @ 1100 sq. m. roof of office building and DG-PCC building is selected for this project. More than 900 KL water can be gained from rain fall every year which will reduce our demand of the raw water from the GIDC and also will save our valuable water resource. Copy of the flow diagram of water harvesting system is attached. Unit is in talks with GIDC regarding off-site rainwater harvesting and planning for the same.</p>																
<div><div><p>FLOW DIAGRAM OF WATER HARVESTING SYSTEM</p><p>FLOW DIAGRAM OF RAIN WATER HARVESTING SCHEME AT SITE-2</p></div><div></div><div><p>Rain water Harvesting Details</p><p>Intermediate Division</p><table><thead><tr><th>Month</th><th>Rain water (KL)</th></tr></thead><tbody><tr><td>Jun-22</td><td>66</td></tr><tr><td>Jul-22</td><td>205</td></tr><tr><td>Aug-22</td><td>378</td></tr><tr><td>Sep-22</td><td>132</td></tr><tr><td>Oct-22</td><td>31</td></tr><tr><td>Nov-22</td><td>0</td></tr><tr><td>Total</td><td>811</td></tr></tbody></table></div></div>			Month	Rain water (KL)	Jun-22	66	Jul-22	205	Aug-22	378	Sep-22	132	Oct-22	31	Nov-22	0	Total	811
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	<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.</p>	<p>Unit complies with the given condition. Regular training is imparted to all employees.</p>																

SIX MONTHLY EC COMPLIANCE REPORT

Sr. No.	Conditions	Compliance Status
	(viii) The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Unit shall follow the given condition.
	(ix) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.	Unit shall follow the given condition.
	(x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Unit shall follow the given condition.
	(xi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the state Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Unit commits that funds earmarked for environment management/ pollution control measures shall not be diverted for any other purpose
	(xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied.
	(xiii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of environmental clearance and six-monthly compliance status reports shall be posted on the website of the company.	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 EC and six-monthly compliance status report is posted on the website of the company as well as regularly upload EC Compliance on PARIVESH Portal.
	(xiv) The environmental statement for each financial year ending 31 st 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 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.	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

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.	Noted.
12.	The ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted and agreed.
13.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
14.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
15.	The above conditions will be enforced, <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.	Noted.
16.	This issue with approval of the competent authority.	Noted.

SIX MONTHLY EC COMPLIANCE REPORT

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

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.

Sr. No.	Consent Condition Requirement				Compliance Status																
1.	The list of proposed products to be manufactured shall be as follows.				Unit is complying with the given condition. Monthly production details are as mentioned below: <table><tr><th colspan="2">Production Details</th></tr><tr><th>Month</th><th>Quantity (MTM)</th></tr><tr><td>June 2022</td><td>478.700</td></tr><tr><td>July 2022</td><td>450.000</td></tr><tr><td>August 2022</td><td>460.000</td></tr><tr><td>September 2022</td><td>410.000</td></tr><tr><td>October 2022</td><td>406.225</td></tr><tr><td>November 2022</td><td>424.775</td></tr></table>	Production Details		Month	Quantity (MTM)	June 2022	478.700	July 2022	450.000	August 2022	460.000	September 2022	410.000	October 2022	406.225	November 2022	424.775
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	Month	Quantity (MTM)																			
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	August 2022	460.000																			
	September 2022	410.000																			
	October 2022	406.225																			
	November 2022	424.775																			
	Sr. No.	Name of The Product	Existing	Applied		Total after CC&A Amendment															
MT / Annum																					
1.	Phosphorus Trichloride (PCl ₃)/ Phosphoryl chloride (POCl ₃)	1000	-	1000																	
2.	Tri methyl Phosphite (TMP) or Tri ethyl Phosphite (TEP)	100	-	100																	
3.	Diethyl Thio Phosphoryl Chloride (DETPC) /Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA)	5330	2670	8000																	
4.	Cyhalothrin Acid	250	-	250																	
5.	Phosphorus Penta Sulphide (P ₂ S ₅)	3400	-	3400																	
6.	Fluindapyr (F 9990)	150	1200	1350																	
7.	Bixlozone (F9600)	960	4200	5160																	
8.	Acid based products [2-bromobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium (H), Pyriothiac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)] etc.	150	-	150																	
9.	Amide group based products [Pretilachlor (H), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide (F), Flufenacet (H), 2 Aminosulfonyl-N-N- Dimethylnicotinamide (SNA) (int), 2-(Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (Int)] etc.	150	-	150																	
10.	Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Arnitraz (I), Indoxacarb (I), Clofentezine (I), 2 Methoxy- 4 - Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (Int)] etc.	300	-	300																	

SIX MONTHLY EC COMPLIANCE REPORT

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.						
Sr. No.	Consent Condition Requirement					Compliance Status
	11.	Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tebuconazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafof (F), (Safener Isoxadifen ethyl (Int), Imidacloprid (I), 2, 6 DiChloroBenzoxazolone (Int), Penoxasulam (H)] etc.	200	-	200	
	12.	Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Methyl (F)] etc.	500	-	500	
	13.	Ester group based products [Fenoxaprop-p-Et (H), Clodinafop-Pr (H), Quizolfop-p-ethyl (H), Quinzolfop-p-terfuryl (H), Cyhalofop (H), Isoprothiolane (F), Alphamethrin (I), Lambda Cyhaothrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int)] etc.	300	-	300	
	14.	Ether group based products [Propargite (I), oxyfuorfen (H), S- Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)] etc.	200	-	200	
	15.	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc.	1200	-	1200	
	16.	Phosphate group based product [Chlorpyrifos (I) or its intermediate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)] etc.	5000	-	5000	
	17.	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) CloquintocctMethyl (H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxystrobin (F) etc	250	-	250	
	18.	Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthiuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I), Spiromesifen (I), Azimsulfuron (H)]	100	-	100	

SIX MONTHLY EC COMPLIANCE REPORT

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.						
Sr. No.	Consent Condition Requirement					Compliance Status
		, SulfonylUreas (H)] etc.				
	19.	Phenol group based product [2- Cyanophenol (Int), 4- Fluro-3 trilluromethylphenole (Int)] etc.	75	-	75	
2	SPECIFIC CONDITIONS					
a.	Unit shall comply with all the conditions stipulated by MOEF in the order of Environment Clearance issued vide letter no. IA/J-11011/53/2018-IA-II(I), dated:31/12/2019.					Noted and complied.
b.	Unit shall maintain ZLD					Unit is maintaining ZLD.
c.	Unit shall use fresh raw materials only.					Complied. Unit is using fresh raw material only.
d.	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 endusers and submit MoU.					The hazardous waste is sold to authorized end-users having valid CCA and rule-9 permission. MoU has been prepared to sell of hazardous waste.
e.	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.					Complied.
f.	Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if a ny. Also submit the prescribed forms as per guideline.					Spent solvent management guidelines are followed.
g.	Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline.					Noted and complied.
h.	Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.					Unit will try to comply with this condition whenever required. Presently unit is used Natural Gas and Bagasse/ Groundnut shell/ Briquettes.
i.	Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.					Complied.
j.	Unit shall install online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH.					Unit is making efforts to implement this condition.
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-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.					Complied. Water consumption is well within limits as per the condition. Water consumption details for period June 2022 to November 2022 is given below:
Water (Qty: KL/day)		Water Consumption			Details of Water Consumption	
		Existing	Proposed	Total		
Domestic		25	-	25	Month	KL/Month
Industrial		423	280	703 (348 KLD fresh+ 355 KLD reuse)	June 2022	8922

SIX MONTHLY EC COMPLIANCE REPORT

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.

Sr. No.	Consent Condition Requirement				Compliance Status			
	Gardening	25	-	25	July 2022	7665		
	Total	473	280	753	August 2022	8259		
	a)				September 2022	8385		
					October 2022	11709		
					November 2022	11311		
3.2	The condition No. 3.1 & 3.2 for wastewater Generation under Water Act of the CCA order No. AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.				Noted & Complied.			
Water (Qty: KL/day)	Waste Water Generation							
	Existing	Proposed	Total					
	Domestic	25	-	25				
	Industrial	176	219	395				
	Total	201	219	420				
a)								
3.3	Mode of disposal of wastewater: a) 395 KLD industrial effluent to be treated in ETP, RO and MEE. Condensate water reused for process and washing. Hence, unit shall maintain ZLD. b) 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.				Unit is maintaining this ZLD condition thoroughly.			
Sr. No.	Parameters	Permissible Limit						
1	Biochemical Oxygen Demand, BOD ₃ , 27°C	20 mg/L						
2	Total Suspended Solids	30 mg/L						
3	Total Residual Chlorine	Minimum 0.5 ppm						
4	CONDITIONS UNDER THE AIR ACT.							
4.1	The condition No. 4.1 for Fuel consumption under Air Act of the CCA order No. AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.				Complied. Unit is following the given condition for fuel consumption.			
Sr. No.	Name of fuel	Quantity						
		Existing	Proposed	Total				
		1	Natural Gas	9000 m³/hr			--	9000 m³/hr
		2	HSD	90 Lit/hr			301.7 lit/hr	391.7 Lit/hr
		3	Bagasse/ Groundnut Shell/ Briquettes	2970 kg/hr			--	2970 kg/hr
*Unit shall not use FO as fuel.								
4.2	The condition No. 4.2 for Flue gas stacks under Air Act of the CCA order No. AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.				Complied. Unit is following the given condition for flue gas stack emission. Analysis Report			

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CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.

Sr. No.	Consent Condition Requirement						Compliance Status	
	Stack No.	Stack Attached To	Stack height in meter	Parameter	Permissible limits	Air pollution Control measures	Copy attached as below:	
	Existing							
	1.	Boiler 10 TPH & OR	32	PM SO ₂ NO _x	150 mg/Nm ³ 100 ppm 50 ppm	--		
	2.	Boiler 10 TPH				--		
	3.	D.G Set (Cap-1250 KVA)	09			--		
	4.	Boiler 18 TPH	40			Dust Collector, Bag Filter		
	5.	Incinerator	45			Alkali scrubber + water scrubber		
	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:							
	Parameters		Emission Standard	Sampling Duration				
	Particulates		50 mg/Nm ³	30 minutes				
	HCl		50 mg/Nm ³	30 minutes				
	SO ₂		200 mg/Nm ³	30 minutes				
	CO		100 mg/Nm ³	30 minutes				
			50 mg/Nm ³	Standard refers to daily average value				
	Total Organic Carbon		20 mg/Nm ³	30 minutes				
	HF		4 mg/Nm ³	30 minutes				
	NO _x (NO and NO ₂ expressed as NO ₂)		400 mg/Nm ³	30 minutes				
	Total dioxins and furans		0.1 ng TEQ/ Nm ³	6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive to total toxic equivalence.				
	Cd + Th + their compounds		0.05 mg/Nm ³	Sampling time anywhere between 30 minutes and 8 hours				
	Hg and Its compounds		0.05 mg/Nm ³	Sampling time anywhere between 30 minutes and 8 hours				
	Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds		0.5 mg/Nm ³	Sampling time anywhere between 30 minutes and 8 hours				

SIX MONTHLY EC COMPLIANCE REPORT

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.

Sr. No.	Consent Condition Requirement					Compliance Status																																																										
	<div>NOTE: All values of outlet parameters of incinerator shall be corrected to 11% oxygen on a dry basis.</div> <table><thead><tr><th colspan="6">Proposed</th></tr></thead><tbody><tr><td>1.</td><td>D.G Set (Cap - 1500 KVA)</td><td>30</td><td>--</td><td>PM SO₂ NO_x</td><td>150 mg/Nm³ 100 ppm 50 ppm</td></tr></tbody></table>					Proposed						1.	D.G Set (Cap - 1500 KVA)	30	--	PM SO ₂ NO _x	150 mg/Nm ³ 100 ppm 50 ppm																																															
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4.3	<div>The condition No. 4.3 for Process gas stacks under Air Act of the CCA order No. AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.</div> <table><thead><tr><th>Stack No.</th><th>Stack Attached To</th><th>Stack height in meter</th><th>Air pollution Control measures</th><th>Parameter</th><th>Permissible limits</th></tr></thead><tbody><tr><td colspan="6">Existing</td></tr><tr><td>1.</td><td>Reactor of TMP Plant</td><td>15</td><td>Water and caustic scrubber</td><td>NH₃</td><td>175 mg/Nm³</td></tr><tr><td>2.</td><td>Reactor of PCl₃ Plant</td><td>15</td><td>Alkali Scrubber</td><td>HCl Cl₂</td><td>20 mg/Nm³ 09 mg/Nm³</td></tr><tr><td>3.</td><td>Emergency vent of PCl₃</td><td>15</td><td>Alkali Scrubber</td><td>HCl Cl₂</td><td>20 mg/Nm³ 09 mg/Nm³</td></tr><tr><td>4.</td><td>Sulphur Furnace</td><td>45</td><td>Water Scrubber + Alkali Scrubber (Dhal Chamber)</td><td>PM HCl SO₂ NO_x Cl₂ H₂S CO</td><td>150 mg/Nm³ 20 mg/Nm³ 40 mg/Nm³ 25 mg/Nm³ 09 mg/Nm³ 45 mg/Nm³ 150 mg/Nm³</td></tr><tr><td colspan="6">Proposed</td></tr><tr><td>1.</td><td>Chlorine Yard</td><td>11</td><td>Alkali Scrubber</td><td>HCl Cl₂</td><td>20 mg/Nm³ 09 mg/Nm³</td></tr><tr><td>2.</td><td>F9990 step 5 reactor</td><td rowspan="2">11</td><td rowspan="2">Water and Alkali Scrubber</td><td>HCl</td><td>20 mg/Nm³</td></tr><tr><td></td><td>F9990 step 6 reactor</td><td>SO₂</td><td>40 mg/Nm³</td></tr></tbody></table>					Stack No.	Stack Attached To	Stack height in meter	Air pollution Control measures	Parameter	Permissible limits	Existing						1.	Reactor of TMP Plant	15	Water and caustic scrubber	NH ₃	175 mg/Nm ³	2.	Reactor of PCl ₃ Plant	15	Alkali Scrubber	HCl Cl ₂	20 mg/Nm ³ 09 mg/Nm ³	3.	Emergency vent of PCl ₃	15	Alkali Scrubber	HCl Cl ₂	20 mg/Nm ³ 09 mg/Nm ³	4.	Sulphur Furnace	45	Water Scrubber + Alkali Scrubber (Dhal Chamber)	PM HCl SO ₂ NO _x Cl ₂ H ₂ S CO	150 mg/Nm ³ 20 mg/Nm ³ 40 mg/Nm ³ 25 mg/Nm ³ 09 mg/Nm ³ 45 mg/Nm ³ 150 mg/Nm ³	Proposed						1.	Chlorine Yard	11	Alkali Scrubber	HCl Cl ₂	20 mg/Nm ³ 09 mg/Nm ³	2.	F9990 step 5 reactor	11	Water and Alkali Scrubber	HCl	20 mg/Nm ³		F9990 step 6 reactor	SO ₂	40 mg/Nm ³	<div>Complied. Unit is following the given condition for process gas stacks emissions. Analysis Report Copy attached as below:</div>
Stack No.	Stack Attached To	Stack height in meter	Air pollution Control measures	Parameter	Permissible limits																																																											
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CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.

Sr. No.	Consent Condition Requirement						Compliance Status
	3.	Florasulam Plant	11	Alkali Scrubber	HCl	20 mg/Nm ³	
	4.	Laboratory	11	Alkali Scrubber	Acid Mist	-	
	5.	By-Product Tank farm	11	Alkali Scrubber	Acid Mist	-	
	6.	F9600 / Bixlozone	11	Alkali Scrubber	HCl	20 mg/Nm ³	

SIX MONTHLY EC COMPLIANCE REPORT

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.

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	<div>  <div> Siddhi Green Excellence PRIVATE LIMITED </div> </div> <div> TEST REPORT REPORT NO. : SC/CILID/ST/NOV/2022/06 Date of Issue : 23-11-2022 Issued to: Mrs. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.) Address: PLOT NO.27.28/A GIDC ESTATE,PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116 </div> <table> <tr> <th>SR.NO.</th><th>DESCRIPTION</th><th>PROCESS STACK EMISSION ANALYSIS</th></tr> <tr> <td></td><td>Particulars of Sample</td><td>Stack No.1</td></tr> <tr> <td>1</td><td>PCB ID of Stack</td><td>-</td></tr> <tr> <td>2</td><td>Sample ID</td><td>25302-PS-01</td></tr> <tr> <td>3</td><td>Name of Stack</td><td>Chlorine Yard</td></tr> <tr> <td>4</td><td>Source</td><td>Alkali Scrubber</td></tr> <tr> <td>5</td><td>Date & Time of sampling</td><td>19-11-2022 & 11:00 h</td></tr> <tr> <td>6</td><td>Date of Receipt</td><td>19-11-2022</td></tr> <tr> <td>7</td><td>Date of Analysis start</td><td>21-11-2022</td></tr> <tr> <td>8</td><td>Date of Completion</td><td>21-11-2022</td></tr> </table> <p>Sampling Plan & Sampling Method Used : Lab Document SCLAB/01</p> <table> <tr> <th colspan="3">Details of Stack</th></tr> <tr> <td>1</td><td>Stack Height</td><td>11 m</td></tr> <tr> <td>2</td><td>Stack Diameter</td><td>-</td></tr> <tr> <td>3</td><td>Temperature of gas</td><td>36 °C</td></tr> </table> <table> <tr> <th>PARAMETERS ANALYSED</th><th>UNIT</th><th>TEST METHOD</th><th>PERMISSIBLE LIMIT (NOTE-2)</th><th>RESULTS</th></tr> <tr> <td>1</td><td>HCl</td><td>mg/Nm3</td><td>Argentometric method</td><td>20</td><td>4.8</td></tr> <tr> <td>2</td><td>Cl₂</td><td>mg/Nm3</td><td>IS 5182(Part 19):1982</td><td>9</td><td>1.4</td></tr> </table> <p>Additions to, deviations, or exclusions from the method :-None Results from external providers, if any :- None Any other remarks :-None Abbreviations used :- None</p> <div> <div>Verified by: </div> <div> Authorized Signatory:  Mrs. K. P. Shah / Mr. P. M. Shah </div> </div> <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. The opinions and interpretations if mentioned in report are given upon request by customer and based upon material and information supplied by customer. 4. 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. 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> <div> <div>*** End of Report ***</div> <div>Page 1 of 1</div> </div> <p>Format No. : SCLAB/Report-04 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 03 Revision Date : 06-04-2022</p> <div> <div> SUJARAT'S 1ST PLANTATION WATER TREATMENT WATER ANALYSIS WATER TESTING WATER MONITORING BY HSE/C </div> <div> : Regd. Office : "Nand Arcade - The Vertical Sunflower" Comm. Plot No. C-3/5, GIDC Station Road, Ankleshwar - 390 002, Dist. Bharuch, Gujarat State, (India). Tel. : 02646 - 224805, 223805 E-mail : siddhi.ank@gmail.com </div> <div> : Date/ Off : "SANGKARAVANIE" Shop No. GP 27 P.O. Jalva, Ta. Vagra, Dist. Bharuch, Tel. : 02641 - 254041 </div> </div>	SR.NO.	DESCRIPTION	PROCESS STACK EMISSION ANALYSIS		Particulars of Sample	Stack No.1	1	PCB ID of Stack	-	2	Sample ID	25302-PS-01	3	Name of Stack	Chlorine Yard	4	Source	Alkali Scrubber	5	Date & Time of sampling	19-11-2022 & 11:00 h	6	Date of Receipt	19-11-2022	7	Date of Analysis start	21-11-2022	8	Date of Completion	21-11-2022	Details of Stack			1	Stack Height	11 m	2	Stack Diameter	-	3	Temperature of gas	36 °C	PARAMETERS ANALYSED	UNIT	TEST METHOD	PERMISSIBLE LIMIT (NOTE-2)	RESULTS	1	HCl	mg/Nm3	Argentometric method	20	4.8	2	Cl ₂	mg/Nm3	IS 5182(Part 19):1982	9	1.4
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Siddhi Green Excellence
 PRIVATE LIMITED

TEST REPORT
 REPORT NO. : SC/CILID/ST/NOV/2022/09 Date of Issue : 23-11-2022
 Issued to: **Mrs. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)**
 Address: **PLOT NO.27.28/A GIDC ESTATE,PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116**

SR.NO.	DESCRIPTION	PROCESS STACK EMISSION ANALYSIS
	Particulars of Sample	Stack No. 04
1	PCB ID of Stack	-
2	Sample ID	25302-PS-04
3	Name of Stack	Laboratory
4	Source	Alkali Scrubber
5	Date & Time of sampling	19-11-2022 & 14:45 h
6	Date of Receipt	19-11-2022
7	Date of Analysis start	21-11-2022
8	Date of Completion	21-11-2022

Sampling Plan & Sampling Method Used : Lab Document SCLAB/01

Details of Stack		
1	Stack Height	11 m
2	Stack Diameter	-
3	Temperature of gas	38 °C

PARAMETERS ANALYSED	UNIT	TEST METHOD	PERMISSIBLE LIMIT (NOTE-2)	RESULTS	
1	Acid Mist	mg/Nm3	Titration method	Not Specified	1.9

Additions to, deviations, or exclusions from the method :-None
 Results from external providers, if any :- None
 Any other remarks :-None
 Abbreviations used :- None

Verified by: 

Authorized Signatory:

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

Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only.
 2. Permissible limits if mentioned in report are given by customer and included in the report upon request by customer.
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*** End of Report ***

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Format No. : SCLAB/Report-04 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 03 Revision Date : 06-04-2022

SUJARAT'S 1ST
 PLANTATION
 WATER TREATMENT
 WATER ANALYSIS
 WATER TESTING
 WATER MONITORING
 BY HSE/C

: Regd. Office :
 "Nand Arcade - The Vertical Sunflower" Comm. Plot No. C-3/5,
 GIDC Station Road, Ankleshwar - 390 002, Dist. Bharuch,
 Gujarat State, (India). Tel. : 02646 - 224805, 223805
 E-mail : siddhi.ank@gmail.com

: Date/ Off :
 "SANGKARAVANIE" Shop No. GP 27 P.O. Jalva,
 Ta. Vagra, Dist. Bharuch, Tel. : 02641 - 254041

 |

SIX MONTHLY EC COMPLIANCE REPORT

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.

Sr. No.	Consent Condition Requirement					Compliance Status																																						
4.4	The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder. <table><tr><th rowspan="2">Sr. No.</th><th rowspan="2">Parameters</th><th colspan="2">Permissible Limit (microgram /m³)</th></tr><tr><th>Annual</th><th>24 Hours Average</th></tr><tr><td>1.</td><td>Particulate Matter (PM₁₀)</td><td>60</td><td>100</td></tr><tr><td>2.</td><td>Particulate Matter (PM_{2.5})</td><td>40</td><td>60</td></tr><tr><td>3.</td><td>Oxides of Sulphur (SO_x)</td><td>50</td><td>80</td></tr><tr><td>4.</td><td>Oxides of Nitrogen (NO_x)</td><td>40</td><td>80</td></tr></table> <ul style="list-style-type: none">Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.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.					Sr. No.	Parameters	Permissible Limit (microgram /m ³)		Annual	24 Hours Average	1.	Particulate Matter (PM ₁₀)	60	100	2.	Particulate Matter (PM _{2.5})	40	60	3.	Oxides of Sulphur (SO _x)	50	80	4.	Oxides of Nitrogen (NO _x)	40	80	Unit is following this condition.																
Sr. No.	Parameters	Permissible Limit (microgram /m ³)																																										
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1.	Particulate Matter (PM ₁₀)	60	100																																									
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4.6	Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous e mission always conforms to the standards specified as above.					Unit is putting efforts to implement this condition thoroughly.																																						
5	CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016																																											
5.1	Unit shall comply with provisions of Hazardous & Other Wastes (Management & Transboundary Movement) Rules -2016					Noted the given condition																																						
5.2	The condition No. 6.2 under authorization for Hazardous & Other Wastes of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under. <table><tr><th rowspan="2">Sr. No.</th><th rowspan="2">Name of Haz. Waste</th><th rowspan="2">Category Number</th><th colspan="3">Quantity (MT /Annum)</th><th rowspan="2">Mode of disposal & remarks</th></tr><tr><th>Existing</th><th>Proposed</th><th>Total</th></tr><tr><td>1.</td><td>ETP Sludge</td><td>35.3</td><td>1800</td><td>615</td><td>2415</td><td>Collection, Storage, Transportation, Disposal at TSDF – BEIL & SEPPL/ Safe Enviro.</td></tr><tr><td>2.</td><td>Used Oil</td><td>5.1</td><td>11.04</td><td>-</td><td>11.04</td><td>Collection, Storage, Transportation, Disposal by Reuse in plant & machinery as lubricant or sell it to authorized re-refiners/ recycler.</td></tr><tr><td>3.</td><td>Discarded Container Bags/ Liners</td><td>33.1</td><td>1943</td><td>-</td><td>1943</td><td>Collection, Storage, Decontamination, sale to authorize traders, Decontamination Facility / scrap dealers. Used Bags / Liners to BEIL/ SEPPL/ Safe Enviro or others.</td></tr><tr><td>4.</td><td>Process Waste & Residue</td><td>29.1</td><td>12821</td><td>3520</td><td>16341</td><td>Collection, Storage, Transportation, Disposal at common incineration facilities at BEIL /SEPPL/GSPL Palsana / RSPL / Co-</td></tr></table>					Sr. No.	Name of Haz. Waste	Category Number	Quantity (MT /Annum)			Mode of disposal & remarks	Existing	Proposed	Total	1.	ETP Sludge	35.3	1800	615	2415	Collection, Storage, Transportation, Disposal at TSDF – BEIL & SEPPL/ Safe Enviro.	2.	Used Oil	5.1	11.04	-	11.04	Collection, Storage, Transportation, Disposal by Reuse in plant & machinery as lubricant or sell it to authorized re-refiners/ recycler.	3.	Discarded Container Bags/ Liners	33.1	1943	-	1943	Collection, Storage, Decontamination, sale to authorize traders, Decontamination Facility / scrap dealers. Used Bags / Liners to BEIL/ SEPPL/ Safe Enviro or others.	4.	Process Waste & Residue	29.1	12821	3520	16341	Collection, Storage, Transportation, Disposal at common incineration facilities at BEIL /SEPPL/GSPL Palsana / RSPL / Co-	Complied. Disposal of hazardous waste is as per granted quantity by GPCB.
Sr. No.	Name of Haz. Waste	Category Number	Quantity (MT /Annum)						Mode of disposal & remarks																																			
			Existing	Proposed	Total																																							
1.	ETP Sludge	35.3	1800	615	2415	Collection, Storage, Transportation, Disposal at TSDF – BEIL & SEPPL/ Safe Enviro.																																						
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4.	Process Waste & Residue	29.1	12821	3520	16341	Collection, Storage, Transportation, Disposal at common incineration facilities at BEIL /SEPPL/GSPL Palsana / RSPL / Co-																																						

SIX MONTHLY EC COMPLIANCE REPORT

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.

Sr. No.	Consent Condition Requirement						Compliance Status
							processing in cement industries/ Eco waste
5.	Solid waste / Evaporation salt	29.1	9259	5233	14492		Collection, Storage, Transportation, Disposal at TSDF facility of BEIL / SEPPL / GSPL, Palsana / RSPL / Co-processing in cement industries / Eco waste/ safe enviro.
6.	Recovered sulfur	B-37	4320	-	4320		Collection, Storage, Transportation, Disposal at TSDF – BEIL & SEPPL /Safe enviro / Eco waste.
7.	Sodium Hydro sulfide 30%	-	3240	1626	4866		Collection, storage, transportation & sold to actual users or authorized party having permission under rule -9 and after making MOU / Send to MEE at external facility / Send for co-processing at external facility/ Send for Incineration to CHWIF facilities at BEIL /SEPPL/ RSPL/ Co-processing in cement industries. At external facility/ Send for dryer at external facility.
8.	Hydrochloric Acid 30%	B-15	4152	2651	6803		Collection, Storage, Transportation&Disposal by sell out to authorized users who are having authorization with valid CTO and permission under rule -9 to receive the waste and after making MOU
9.	Phosphoric Acid	B-15	1460	415	1875		
10.	Spent Sulphuric acid (20%)	B-15	-	23378	23378		Collection, Storage, Transportation&Disposal by sending for Co-processing OR to CHWIF for incineration facility at BEIL/SEPPL.
11.	Sodium Bisulphite Powder	B-23	2250	555	2805		Collection, Storage, Transportation&Disposal by sell out to authorized users who are having authorization with valid CTO and permission under rule -9 to receive the waste and after making MOU
12.	Sodium Bisulphite Solution (30%)	B-23	7440	1295	8735		
13.	Sodium	B-15	3775	4704	8479		

SIX MONTHLY EC COMPLIANCE REPORT

CCA amendment no.: AWH-118963 dated 05/09/2022, issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/682174, valid up to 04/03/2027.								
Sr. No.	Consent Condition Requirement							Compliance Status
		Sulfite (20-30%)						
	14.	Acetic acid (30%)	B-28	-	2413	2413	Collection, Storage, Transportation & reuse in process in house.	
6	All other conditions of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 will remain same.							Noted.

SIX MONTHLY EC COMPLIANCE REPORT

Annexure 3 -COPY OF EXISTING EC,EC TO CTE&CTO

EC copy



F. No. IA-J-11011/53/2018-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: 31st December, 2019

To

M/s Cheminova India Limited (Intermediate Division)
Plot No.(27+28)/A, GIDC Industrial Estate, Panoli
District Bharuch (Gujarat)
Email: abhay.arora@fmc.com

Sub: Expansion of pesticides and Pesticide specific intermediates from 19705 TPA to 47681 TPA at Plot No.(27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat) by M/s Cheminova India Limited (Intermediate Division)- Environmental Clearance - reg.

Sir,

This has reference to your proposal No. IA/GJ/IND2/88017/1995 dated 18th January, 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 pesticides and Pesticide specific intermediates from 19705 TPA to 47681 TPA by M/s Cheminova India Limited (Intermediate Division) in an area of 149163.17 sqm at Plot No. (27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat).

3. The details of products are as under:-

S. No	Product	Existing (TPA)	Proposed (TPA)	Total (TPA)
1.	Phosphorus Trichloride (PCl_3) / Phosphoryl chloride (POCl_3)	1000	--	1000
2.	Tri methyl Phosphite (TMP) or Tri ethyl Phosphite (TEP)	100	--	100
3.	Diethyl Thio Phosphoryl Chloride (DETPC) /Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA)	5330	2670	8000
4.	Cyhalothrin Acid	250	--	250
5.	Phosphorus Penta Sulphide (P_2S_5)	3400	--	3400
6.	Acid based products [2-bromobutyric Acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium	150	--	150

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

Page 1 of 9

SIX MONTHLY EC COMPLIANCE REPORT

	(H), Pyrithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2- hydroxyphenyl Acetic Acid (HPAA) (int), amino acid (int)] etc.			
7.	Amide group based products [Pretilachlor (H), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide (F), Flufenacet (H), 2 Aminosulfonyl-N-N- Dimethylnicotinamide (SNA) (int), 2-(Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (Int)] etc.	150	--	150
8.	Aniline group Bases products [Pendirnethalin (H), Fluazinam (F), Metaiaxyi (F), Famoxadone (F)] etc.	1200	--	1200
9.	Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Armitraz (I), Indoxacarb (I), Clofentezine (I), 2 Methoxy- 4 - Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (Int)] etc.	300	--	300
10.	Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener)Isxadifen ethyl (Int), Imidacloprid (I), 2, 6 DiChloroBenzoxazolone (Int), Penoxasulam (H)] etc.	200	--	200
11.	Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Methyl (F)] etc.	500	--	500
12.	Ester group based products [Fenoxaprop-p-Et (H), Clodinafop-Pr (H), Quizolfop-p-ethyl (H), Quinzolfop-p-terfuryl (H), Cyhalofop (H), Isoprothiolane (F), Alphamethrin (I), Lambda Cyhathrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int) etc.	300	--	300
13.	Ether group based products [Propargite (I), oxyfluorfen (H), 2 Ethoxy Ethyl Amine (Int), S-Cyano MPB (Int)] etc.	200	--	200
14.	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc.	1200	--	1200
15.	Phosphate group based product [Chlorpyrifos (I) or its intermediate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)] etc.	5000	--	5000

SIX MONTHLY EC COMPLIANCE REPORT

16.	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) CloquintocetMexyl (H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxystrobin (F) etc	250	--	250
17.	Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthiuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I), Spiromesifen (I), Azimsulfuron (H), Sulfonyl Ureas (H)] etc.	100	--	100
18.	Phenol group based product [2- Cyanophenol (Int), 4- Fluro-3 trilluromethylphenole (Int)] etc.	75	--	75
19.	Sulfentrazone	--	2000	2000
20.	F-9600 (2-(2,4-dichlorobenzyl)-4,4-dimethylisoxazolidin-3-one)/Bixlozone	--	4200	4200
21.	F 9990 (Fluindapyr)	--	1200	1200
22.	Malathion	--	10000	10000
23.	F-4050 (2-(4-fluoro-3-(trifluoromethyl)phenoxy)-N-benzylbutanamide)	--	1500	1500
24.	Beflubutamide	--	450	450
25.	Gamma Cyhalothrin	--	300	300
26.	Bifenthrin	--	300	300
27.	Clomazone	--	2000	2000
28.	FMC-57091 (4,4-dimethyl isoxazolidin-3-one)/ (Isoxazolidinone)	--	2600	2600
29.	Thifensulfuron Methyl	--	205	205
30.	Tribenuron Methyl	--	215	215
31.	Metsulfuron Methyl	--	200	200
32.	Ethametsulfuron Methyl	--	10	10
33.	Chlorsulfuron	--	60	60
34.	Triflurosulfuron Methyl	--	50	50
35.	Azimsulfuron	--	4	4
36.	Flupyrsulfuron Methyl Sodium	--	12	12
Total		19705	27976	47681

4. Existing land area is 149163.17 sqm. No additional land will be required for the proposed expansion. Industry has developed greenbelt in an area of 49497 sqm covering 33.18% of total project area. The estimated project cost is Rs.790.36 crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 25.05 crores and the recurring cost (O&M) will be about Rs.102 crores per annum. The project will provide employment for 178 persons directly and 422 persons indirectly after expansion.

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 flows at a distance of 1.66 km in west direction.

SIX MONTHLY EC COMPLIANCE REPORT

6. Total water requirement is estimated to be 1351 cum/day, which include fresh water requirement of 764 cum/day, proposed to be met from GIDC supply.

Effluent of 206 cum/day will be treated through Effluent Treatment Plant (ETP) having Primary, Secondary & Tertiary Treatments & treated effluent of 181 cum/day is discharged into underground conveyance pipeline connected to Final Effluent Treatment Plant (FETP) of M/s Narmada Clean Tech (NCT). It has been now proposed that after expansion, existing and proposed unit shall ensure zero liquid discharge and there will be no discharge of treated/untreated waste water from the unit.

Power requirement after expansion will be 3500 kVA proposed to be met from Dakshin Gujarat Vij Company Limited (DGVCL). Existing unit has one DG set of 1250 kVA. Two more DG sets of 1250 & 1500 kVA will be required under proposed expansion.

Existing unit has two natural gas based boilers of 10 TPH capacity each and one briquettes/bagasse/groundnut shell based boiler of 18 TPH capacity. Incinerator (for waste gas) and one natural gas based thermic fluid heater of 10 lakh Kcal/h will be installed in the expansion.

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 23rd March, 2018. Public hearing is exempted in accordance with the Ministry's OM dated 27th April 2018, as the project site is located inside the notified industrial area.

9. The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 8-9th April, 2019 and 26-28 June, 2019 in the Ministry, wherein the project proponent and their accredited consultant M/s Siddhi Green Excellence Pvt Ltd presented the EIA/EMP report. 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.

10. The proposal was further examined in the Ministry in accordance with the Ministry's Office Memorandum dated 31st October 2019 and Ministry's communication dated 24th October 2019 regarding compliance of Hon'ble NGT order dated 19.8.2019 (published on 23.8.2019) in OA No. 1038/2018.

11. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for **Expansion of Pesticides and Pesticide Specific Intermediates from 19705 TPA to 47681 TPA by M/s Cheminova India Limited (Intermediate Division) at Plot No.(27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat)**, under the provisions of the EIA Notification, 2006, read with

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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 24th October, 2019 and forwarded by Central Pollution Control Board vide letter dated 25th October, 2019 to the SPCB's, while issuing the CTE/CTO for the project, for improvement of environmental quality in the area.
- (ii) Zero Liquid Discharge shall be ensured including existing facility and the proposed expansion facility and no waste/treated water shall be discharged outside the premises.
- (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) National Emission Standards for Pesticides Manufacturing Industry issued by the Ministry vide G.S.R.446(E) dated 13th June, 2011, as amended from time to time, shall be followed.
- (v) No pesticides/chemicals banned by the Ministry of Agriculture and Farmers Welfare, or having LD₅₀<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.
- (vi) To control source and the fugitive emissions (at 99.98%), suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- (vii) Solvent management shall be carried out as follows:
 - (a) Reactor shall be connected to chilled brine condenser system.
 - (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
 - (c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.
 - (d) Solvents shall be stored in a separate space specified with all safety measures.
 - (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
 - (f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
 - (g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (viii) Total fresh water requirement shall not exceed 764 cum/day to be met from GIDC water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.

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- (ix) Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system
- (x) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.
- (xi) Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- (xii) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act, 1989.
- (xiii) The company shall undertake waste minimization measures as below:-
 - (a) Metering and control of quantities of active ingredients to minimize waste.
 - (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - (c) Use of automated filling to minimize spillage.
 - (d) Use of Close Feed system into batch reactors.
 - (e) Venting equipment through vapour recovery system.
 - (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (xiv) The green belt of at least 5-10 m width shall be developed in nearly 40% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. In addition, the project proponent shall develop greenbelt outside the plant premises also such as avenue plantation, plantation in vacant areas, social forestry etc.
- (xv) As committed, Fund allocation for the Corporate Environment Responsibility (CER) shall be 5 % of the total project cost. Item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.
- (xvi) Safety and visual reality training shall be provided to employees.
- (xvii) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- (xviii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
- (xix) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (xx) 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

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with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

- (xxi) Mitigating 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 16th 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 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.

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- (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.



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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 the 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)
बैज्ञानिक 'E' / Scientist E
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग
Min. of Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

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 -16
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

(Dr. R. B. Lal)
Scientist E

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EC to CTE



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. - 15016)

To,

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

27,28, , ,

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. 176068 dated 07/05/2020

(1) Environment Clearance issued by Central Authority vide their letter no. IA-J-11011/53/2018-IA-II(I)
Dated 31/12/2019

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 27,28, , , City : Panoli, Dist : Ankleshwar, Taluka : Ankleshwar (15016) for CTE amendment after obtaining EC.

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

Outward No:15866, 04/06/2020

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CC&A/CTO Copy



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PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

By R.P.A.D.
CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A - Amendment)
CCA AMENDMENT NO: AWH-118963

NO: GPCB/ANK/CCA-115(13)/ID-15016/

DT: ___/09/2022

To,
✓ M/s. CHEMINOVA INDIA LTD.,
PLOT NO: 27,28,
GIDC ESTATE PANOLI,
DIST-BHARUCH.

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

REF: (1) Your application No. 203050 dated 27/09/2021.
(2) CCA No. AWH - 118890 dated: 05/09/2022 (CCA Renewal)

Sir,

This has reference to the CCA order No: **AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022** under the provisions of the various Environmental Act/ Rules, which stands amended as under.

The Validity of this order will be up to 04/03/2027.

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

Sr. No.	Products	Quantity (MT/Year)		
		Existing	Proposed	Total
1	Phosphorus Trichloride (PCl_3)/ Phosphoryl chloride ($POCl_3$)	1000	-	1000
2	Tri methyl phosphate (TMP) or tri ethyl Phosphite (TEP)	100	-	100
3	Diethyl Thio Phosphoryl Chloride (DETPC)/ Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA)	5330	2670	8000
4	Cyhalothrin Acid	250	-	250
5	Phosphorus Penta Sulphide (P_2S_5)	3400	-	3400
6	Fluindapyr (F 9990)	150	1200	1350
7	Bixlozone (F9600)	960	4200	5160
8	Acid based products [2-brornobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionated (O-HPPA) (int), Thiocyclam (I), Basyribac-Sodium (H), Pyrihiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)] etc.	150	-	150

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9	Amide group based products [Pretilachlor (H), Captan (F), Cymoxanil(F), Beflubutamide(H), Pethoxamide (H), Carboxin (F), Flubendamide(I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide (F), Flufenacet (H), 2 Aminosulfonyl-N-N- Dimethylnicotinamide (SNA) (int), 2- (Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (Int)] etc.	150	-	150
10	Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Amitraz (I), Indoxacarb (I), Clofentezine(I), 2 Methoxy-4- Methyl-6- Methylamino- 1,3,5- Triazine (MMMT) (int)/etc.	300	-	300
11	Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole(F), Difenoconazole(F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tebuconazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener Isoxadifen ethyl (Int), Irnidacloprid (I) 2,6 Dichloro Benzoxazolone (Int), Penoxasulam (H)] etc.	200	-	200
12	Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Mrthyl (F)] etc.	500	-	500
13	Ester group based products [Fenoxaprop-p-Et(H), Clodinafop- Pr(H), Quizolfop-p-ethyl (H), Quinzolfop-p-terfuryl (H), Cyhalofop (H), Isoprothiolane (F), Alphamethrin (I), Lambda Cyhathrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int) etc.	300	-	300
14	Ether group based products [Propargite (I), oxyfluorfen (H), S- Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)] etc.	200	-	200
15	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F),	1200	-	1200

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	Isobutyrophenone (IBP (Int) etc.			
16	Phosphate group based product [Chlorpyrifos (I) or its intermediate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I) Profenofos (I), Ethephon (PGR)] etc.	5000	-	5000
17	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocet Mexyl (H), Acetamiprid(I), 4,6- Di Chloro Pyridine (Int), Azoxystrobin (F) etc.	250	-	250
18	Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthiuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I) Spiromesifen (I), Azmsulfuron (H), Sulfonyl Ureas (H)] etc.	100	-	100
19	Phenol group based product [2-Cyanophenol (Int), 4-Fluro-3 trilluromethyl phenol (Int)] etc.	75	-	75

2. Specific conditions:

- a) Unit shall comply with all the conditions stipulated by MoEF in the order of Environment Clearance issued vide letter no.IA-J-11011/53/2018-IA-II(I), dated: 31/12/2019.
- b) Unit shall maintain ZLD.
- c) Unit shall use fresh raw material only.
- d) Unit shall sell out their hazardous waste to authorized endusers who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endusers and submit MoU.
- e) 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.
- f) 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.
- g) Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline.
- h) Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.
- i) Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.
- j) Unit shall install online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH.

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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-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

Water (Qty: KL/day)	Water consumption		
	Existing	Proposed	Total
Domestic	25	-	25
Industrial	423	280	703 (348 KLD Fresh + 355 KLD Reuse)
Gardening	25	-	25
Total	473	280	753

- 3.2 The condition No. 3.1 & 3.2 for Wastewater Generation under Water Act of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

Water (Qty: KL/day)	Wastewater Generation		
	Existing	Proposed	Total
Domestic	25	-	25
Industrial	176	219	395
Total	201	219	420

3.3 Mode of disposal of wastewater:

- 395 KLD industrial effluent to be treated in ETP, RO and MEE. Condensate water reused for process and washing. Hence, unit shall maintain ZLD.
- 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 ₃ , 27 ^o C	20 mg/L
2	Total Suspended Solids (TSS)	30 mg/L
3	Total Residual Chlorine	Minimum 0.5 ppm

4. CONDITIONS UNDER THE AIR ACT:

- 4.1 The condition No. 4.1 for Fuel Consumption under Air Act of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

Sr. No.	Name of fuel	Quantity		
		Existing	Proposed	Total
1	Natural Gas	9000 m ³ /hr	--	9000 m ³ /hr
2	HSD	90 Lit/hr	301.7 Lit/hr	391.7 Lit/hr
3	Bagasse/ Groundnut shell/ Briquettes	2970 kg/hr	--	2970 kg/hr

* Unit shall not use FO as fuel.

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(T) 079-23232152

- 4.2 The condition No. 4.2 for Flue gas stacks under Air Act of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

2022 is amended and shall now be read as under.

Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit																																							
	Existing																																											
1	Boiler (10 TPH)	32	-	PM SO2 NOx	150 mg/NM3 100 ppm 50 ppm																																							
2	Boiler (10 TPH)		-																																									
3	D.G. Set (1250 KVA)	9	-																																									
4	Boiler (18 TPH)	40	Dust collector, Bag filter	Parameters as Mentioned below																																								
5	Incinerator	45	Alkali scrubber + water scrubber																																									
<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> <tr> <th>PARAMETER</th> <th>EMISSION STANDARD</th> <th>SAMPLING DURATION</th> </tr> <tr> <td>Particulates</td> <td>50 mg/Nm3</td> <td>30 Minutes</td> </tr> <tr> <td>HCl</td> <td>50 mg/Nm3</td> <td>30 Minutes</td> </tr> <tr> <td>SO2</td> <td>200 mg/Nm3</td> <td>30 Minutes</td> </tr> <tr> <td>CO</td> <td>100 mg/Nm3</td> <td>30 Minutes</td> </tr> <tr> <td></td> <td>50 mg/Nm3</td> <td>Standard refers to daily average value</td> </tr> <tr> <td>Total Organic Carbon</td> <td>20 mg/Nm3</td> <td>30 Minutes</td> </tr> <tr> <td>HF</td> <td>4 mg/Nm3</td> <td>30 Minutes</td> </tr> <tr> <td>NOX (NO and NO2 expressed as NO2)</td> <td>400 mg/Nm3</td> <td>30 Minutes</td> </tr> <tr> <td>Total dioxins and furans</td> <td>0.1 ng TEQ/Nm3</td> <td>6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence.</td> </tr> <tr> <td>Cd + Th + their compounds</td> <td>0.05 mg/Nm3</td> <td>Sampling time anywhere between 30 minutes and 8 hours.</td> </tr> <tr> <td>Hg and its compounds</td> <td>0.05 mg/Nm3</td> <td>Sampling time anywhere between 30 minutes and 8 hours.</td> </tr> <tr> <td>Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds</td> <td>0.5 mg/Nm3</td> <td>Sampling time anywhere between 30 minutes and 8 hours.</td> </tr> </table> <p>Note: All values of outlet parameters of Incinerator shall be corrected to 11% oxygen on a dry basis.</p>						PARAMETER	EMISSION STANDARD	SAMPLING DURATION	Particulates	50 mg/Nm3	30 Minutes	HCl	50 mg/Nm3	30 Minutes	SO2	200 mg/Nm3	30 Minutes	CO	100 mg/Nm3	30 Minutes		50 mg/Nm3	Standard refers to daily average value	Total Organic Carbon	20 mg/Nm3	30 Minutes	HF	4 mg/Nm3	30 Minutes	NOX (NO and NO2 expressed as NO2)	400 mg/Nm3	30 Minutes	Total dioxins and furans	0.1 ng TEQ/Nm3	6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence.	Cd + Th + their compounds	0.05 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.	Hg and its compounds	0.05 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.	Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds	0.5 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.
PARAMETER	EMISSION STANDARD	SAMPLING DURATION																																										
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Cd + Th + their compounds	0.05 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.																																										
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Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds	0.5 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.																																										
Proposed																																												
1	D.G. Set (1500 KVA)	30	-	PM SO2 NOx	150 mg/NM3 100 ppm 50 ppm																																							

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SIX MONTHLY EC COMPLIANCE REPORT

- 4.3 The condition No. 4.3 for Process gas stacks under Air Act of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
Existing					
1	Reactor of TMP Plant	15	Water and caustic scrubber	NH ₃	175 mg/Nm ³
2	Reactor of PCL3 plant	15	Alkali Scrubber	HCl Cl ₂	20 mg/Nm ³ 09 mg/Nm ³
3	Emergency vent of PCL ₃	15	Alkali Scrubber	HCl Cl ₂	20 mg/Nm ³ 09 mg/Nm ³
4	Sulphur Furnace	45	Water Scrubber + Alkali Scrubber (Dhal chamber)	PM HCl SO ₂ Cl ₂ H ₂ S CO NO _x	150 mg/Nm ³ 20 mg/Nm ³ 40 mg/Nm ³ 09 mg/Nm ³ 45 mg/Nm ³ 150 mg/Nm ³ 25 mg/Nm ³
Proposed					
1	Chlorine Yard	11	Alkali Scrubber	HCl Cl ₂	20 mg/Nm ³ 09 mg/Nm ³
2	F9990 step 5 reactor F9990 step 6 reactor	11	Water Scrubber + Alkali Scrubber	HCl SO ₂	20 mg/Nm ³ 40 mg/Nm ³
3	Florasulam plant	11	Alkali Scrubber	HCl	20 mg/Nm ³
4	Laboratory	11	Alkali Scrubber	Acid mist	-
5	By-product tank farm	11	Alkali Scrubber	Acid mist	-
6	F9600/Bixlozone	11	Alkali Scrubber	HCl	20 mg/Nm ³

- 4.4 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder.

Sr. No.	Parameters	Permissible Limit (microgram /M ³)	
		Annual	24 Hours Average
1.	Particulate Matter (PM ₁₀)	60	100
2.	Particulate Matter (PM _{2.5})	40	60
3.	Oxides of Sulphur (SO _x)	50	80
4.	Oxides of Nitrogen (NO _x)	40	80

SIX MONTHLY EC COMPLIANCE REPORT



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

- Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
 - 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.
- 4.6 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified in condition as above.
- 5 **CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016**
- 5.1 Unit shall comply with provisions of Hazardous & Other Wastes (Management & Transboundary Movement) Rules-2016.
- 5.2 The condition No. 6.2 under authorization for Hazardous & other wastes of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 is amended and shall now be read as under.

Sr. No.	Name of Haz. Waste	Cate. Number	Quantity in MT/Year			Facility
			Exi.	Pro.	Total	
1	ETP Sludge	35.3	1800	615	2415	Collection, Storage, Transportation, disposal at TSDF-BEIL & SEPPL/ Safe Enviro.
2	Used Oil	5.1	11.04	-	11.04	Collection, Storage, Transportation and Disposal by Reuse in plant & machinery as lubricant or sell it to authorized re-refiners / recycler.
3	Discarded Container Bags/Liners	33.1	1943	-	1943	Collection, Storage, Decontamination, sale to authorize traders, Decontamination Facility/scrap dealers. Used Bags/Liners to BEIL/ SEPPL/Safe Enviro or others.
4	Process Waste & Residue	29.1	12821	3520	16341	Collection, Storage, Transportation, Disposal at common incineration facilities at BEIL/SEPPL/ GSPL/ PALSANA/ RSPL/Co-processing in cement industries / Eco waste.
5	Solid waste/ Evaporati	29.1	9259	5233	14492	Collection, Storage, Transportation, disposal at TSDF facility of

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SIX MONTHLY EC COMPLIANCE REPORT

	on salt					BEIL/SEPPL/ RSPL/ Co-processing in cement industries/ safe enviro/ eco waste.
6	Recovere d sulfur	B37	4320	-	4320	Collection, Storage , Transportation, disposal at TSDF-BEIL & SEPPL/ Safe Envir/ eco waste.
7	Sodium Hydro sulfide 30 %	-	3240	1626	4866	Collection, storage, transportation & sold to actual users or authorized party having permission under rule-9 and after making MOU/ Send to MEE at external facility/ Send for co-processing at external facility/Send for Incineration to CHWIF facilities at BEIL/SEPPL/ RSPL/ Co-processing in cement industries. At external facility/ Send for dryer at external facility.
8	Hydrochl oric Acid 30 %	B-15	4152	2651	6803	Collection, Storage, Transportation & Disposal by sell out to authorized users who are having authorization with valid CTO and permission under rule-9 to receive the waste and after making MOU.
9	Phosphor ic Acid	B-15	1460	415	1875	
10	Spent Sulphuric acid (20 %)	B-15	-	23378	23378	Collection, Storage, Transportation & Disposal by sending for co-processing OR to CHWIF for incineration facility at BEIL/SEPPL.
11	Sodium Bisulphite Powder	B-23	2250	555	2805	Collection, Storage, Transportation & Disposal by sell out to authorized users who are having authorization with valid CTO and permission under rule-9 to receive the waste and after making MOU.
12	Sodium Bisulphite Solution (30%)	B-23	7440	1295	8735	
13	Sodium Sulfite (20-30%)	B-15	3715	4704	8479	
14	Acetic acid (30%)	B-28	-	2413	2413	Collection, Storage, Transportation & reuse in process in house.

SIX MONTHLY EC COMPLIANCE REPORT



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

- 6 All other conditions of the CCA order No: AWH-118890, issued vide letter no. GPCB/ANK/CCA-115(13)/ID-15016/682162, dated 05/09/2022 will remain same.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(Arun G. Patel)
ENVIRONMENT ENGINEER

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>

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Annexure 4 -ANNUAL RETURN- FORM-4 (2021 – 2022)



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 – 6th June 2022

Ref No. CHEMINOVA/INTER/06/06/2022/01

PCB ID -15016

To
Member Secretary
GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAWAN
SECTOR 10 -A, GANDHINAGAR – 382015

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 - 2021 to March 2022 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.


AUTHORISED SIGNATORY

Encl: As above

CC: Regional Office, Ankleshwar.

Enc. Form -4



SIX MONTHLY EC COMPLIANCE REPORT

PCB ID- 15016
Year -2021-22

Cheminoval India Ltd. Intermediate Division
FORM - 4
[See rule 6(5), 13(8), 16(6) and 20 (2)]
FORM FOR FILING ANNUAL RETURNS

[To be submitted by occupier/operator of disposal facility to State Pollution Control Board / Pollution Control Committee by 30th June of every year for the preceding period April to March]

1.	Name and address of facility	:	M/s. CHEMINOVA INDIA LTD, (Intermediate Division) Plot No. - (27+28)/A, GIDC, PANOLI. Dist. - Bharuch								
2.	Authorization No. and Date of issue	:	CCA No: AWH-86147, Date of issue-23rd-May-2017 and valid up to 4th-March-2022, CCA amendment dated 09/08/2017 having CTO no.: GPCB/ANK/CCA-115/ID-15016/419703, CCA amendment no.: AWH-94667 dated 31/08/2018, CCA amendment order no.: AWH-104863 issued vide letter no. GPCB/ANK/CCA-115(13) ID-15016/529725, dated 10/12/2019 Consent No. AWH-118890 Valid up to: 04/03/2027								
3.	Name of the authorized person and full address with telephone and fax number and e- mail	:	Anil N Shah (Factory Manger) CHEMINOVA INDIA LTD, (Intermediate Division) Plot No. - (27+28)/A, GIDC, PANOLI Dist Bharuch Ph. No. +91 9714993368 , 02646-618522 , e -mail- Anil.Shah@fmc.com								
4.	Production (Product wise) during year April 2021 to March 2022		<table border="1"> <thead> <tr> <th>Product</th> <th>Quantity in (MT)</th> </tr> </thead> <tbody> <tr> <td>1. DIETHYL THIOPHOSPHORYL CHLORIDE (DETPC / NADETA)</td> <td>5031.5</td> </tr> <tr> <td>2. AZOLE GROUP BASED PRODUCTS (FLORASULAM)</td> <td>4.450</td> </tr> <tr> <td>3. Bixlozone (F-9600)</td> <td>1689.763</td> </tr> </tbody> </table>	Product	Quantity in (MT)	1. DIETHYL THIOPHOSPHORYL CHLORIDE (DETPC / NADETA)	5031.5	2. AZOLE GROUP BASED PRODUCTS (FLORASULAM)	4.450	3. Bixlozone (F-9600)	1689.763
Product	Quantity in (MT)										
1. DIETHYL THIOPHOSPHORYL CHLORIDE (DETPC / NADETA)	5031.5										
2. AZOLE GROUP BASED PRODUCTS (FLORASULAM)	4.450										
3. Bixlozone (F-9600)	1689.763										

SIX MONTHLY EC COMPLIANCE REPORT

PCB ID- 15016

Year -2021-22

PART-A

1	Total Quantity of waste generated category wise	Hazardous waste generation	Category	Quantity Generated (in MT)
		1. Chemical sludge from wastewater treatment (ETP Sludge)	35.3	458.000
		2. Used or spent oil	5.1	Nil
		3. Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes (a) Non-Recyclable Plastic / Contaminated liners, bags (b) Insulation waste (c) Discarded containers/Drum/ packing etc	33.1	25.190 15.275 102.035 Total Qty = 142.500
		4. Process waste or Residue (a) For Incineration (b) For Co-process	29.1 29.1	3110.970
		5. Process waste or Residue (Solid waste / Evaporation Salt)	29.1	Nil
		6. Total Sulphur	B37	Nil
		7. Battery		Nil

SIX MONTHLY EC COMPLIANCE REPORT

PCB ID- 15016

Year -2021-22

PART-A

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	514.230	Nil	Nil	ANNEXURE- A
		2. Used or spent oil	5.1	Nil	Nil	Nil	ANNEXURE- B
		3. Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes					
		(a) Non-Recyclable Plastic / Contaminated liners, bags	33.1	27.325			ANNEXURE- C
		(b) Insulation waste		15.275			
		(c) Discarded containers/Drum/ liner		-		94.915	
				Total Qty.=42.600			
		4. Process waste or Residue (a) For Incineration	29.1	(a) 81.625	(b) 3017.97	Nil	ANNEXURE- D
		(b) For Co-process	29.1	Nil	Nil	Nil	Nil
		5. Process waste or Residue (Solid waste / Evaporation Salt)	29.1	Nil	Nil	Nil	Nil
		6. Total Sulphur	B37	Nil	Nil	Nil	Nil
		7. Battery		Nil	Nil	Nil	Nil

3	Quantity utilized in-house	NIL
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SIX MONTHLY EC COMPLIANCE REPORT

Year -2021-22
PCB ID- 15016

PART-A

4	Total Quantity of Category wise waste storage at the end of the year	Hazardous waste	Category	Quantity (in MT)
		1. Chemical sludge from wastewater treatment (ETP Sludge)	35.3	49.485
		2. Used or spent oil	5.1	Nil
		3. Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes (d) Non-Recyclable Plastic / Contaminated liners, bags (e) Insulation waste (f) Asbestos sheet (g) Discarded containers/Drum/ liner	33.1	Nil Nil Nil 7.120 Total Qty.= 7.120
		4. Process waste or Residue (c) For Incineration (d) For Co-process	29.1 29.1	27.127
		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-21	6-Apr-21	1294614	15.435	BEIL
	12-Apr-21	1299173	15.265	BEIL
	12-Apr-21	1299229	16.705	BEIL
May-21	6-May-21	1317331	15.055	BEIL
	26-May-21	1331138	21.030	BEIL
	26-May-21	1331173	18.265	BEIL
	27-May-21	1331533	14.660	BEIL
Jun-21	5-Jun-21	1338309	12.240	BEIL
Dec-21	14-Dec-21	1481832	15.855	BEIL
	25-Dec-21	1493977	19.100	BEIL
Jan-22	7-Jan-22	1508205	12.775	BEIL
	7-Jan-22	1508230	13.735	BEIL
	11-Jan-22	1512855	12.800	BEIL
	11-Jan-22	1512822	14.505	BEIL
	17-Jan-22	1518820	12.560	BEIL
	19-Jan-22	1520655	15.035	BEIL
	27-Jan-22	1529136	15.855	BEIL
	30-Jan-22	1532729	13.170	BEIL
Feb-22	30-Jan-22	1532759	13.085	BEIL
	5-Feb-22	1539410	11.685	BEIL
	14-Feb-22	1548585	12.220	BEIL
	14-Feb-22	1548593	13.340	BEIL
Mar-22	6-Mar-22	1571158	14.375	BEIL
	6-Mar-22	1571139	12.360	BEIL
	7-Mar-22	1571805	13.910	BEIL
	12-Mar-22	1578300	16.015	BEIL
	14-Mar-22	1580436	20.770	Safe Enviro
	15-Mar-22	1581155	17.575	BEIL
	15-Mar-22	1581583	19.405	Safe Enviro
	17-Mar-22	1583771	18.425	Safe Enviro
	19-Mar-22	1585253	22.960	Safe Enviro
	22-Mar-22	1588260	34.060	Safe Enviro
TOTAL QUANTITY (In MT)			514.230	

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PART-A

ANNEXURE- B

(2) Used or spent oil Cat-5.1

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to Refiners
Nil				

ANNEXURE- C

(3) Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes Cat -33.1

(a) Non-Recyclable Plastic /Contaminated liners, bags (Land Filling / Incineration)

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
May-21	25-May-21	1330267	1.520	BEIL
Jun-21	5-Jun-21	1338229	0.945	BEIL
Nov-21	9-Nov-21	1447289	1.205	BEIL
	11-Nov-21	1449095	2.080	BEIL
	13-Nov-21	1451387	1.070	BEIL
	19-Nov-21	1457038	1.190	BEIL
	27-Nov-21	1465491	1.000	BEIL
Jan-22	4-Jan-22	1505273	1.855	BEIL
	15-Jan-22	1517056	1.225	BEIL
	25-Jan-22	1527746	1.005	BEIL
Feb-22	6-Feb-22	1540502	0.560	BEIL
	8-Feb-22	1542600	3.050	SEPPL (Inc.)
	9-Feb-22	1543665	0.630	BEIL
	10-Feb-22	1545399	0.735	BEIL
	23-Feb-22	1559331	1.025	BEIL
Mar-22	22-Mar-22	1587789	2.635	BEIL
	24-Mar-22	1590129	1.975	BEIL
	28-Mar-22	1594728	2.355	SEPPL(Inc.)
	29-Mar-22	1635705	1.265	BEIL
Sub TOTAL QUANTITY (In MT)			27.325	

(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
May-21	29-May-21	1333530	1.125	BEIL
Nov-21	14-Nov-21	1451993	1.800	BEIL
	15-Nov-21	1452812	1.190	BEIL
	26-Nov-21	1464462	0.830	BEIL
Jan-22	3-Jan-22	1504242	2.525	BEIL
	3-Jan-22	1504300	1.910	BEIL
	26-Jan-22	1528650	1.110	BEIL
	29-Jan-22	1532259	0.865	BEIL
Feb-22	10-Feb-22	1544923	0.805	BEIL
Mar-22	10-Mar-22	1576561	1.055	BEIL
	10-Mar-22	1576576	0.975	BEIL
	25-Mar-22	1591375	1.085	BEIL
TOTAL QUANTITY (In MT)			15.275	

SIX MONTHLY EC COMPLIANCE REPORT

PCB ID- 15016

PART-A

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

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Apr-21	5-Apr-21	1293996	2.195	BBS
	5-Apr-21	1293998	1.475	BBS
	10-Apr-21	1298219	1.170	BBS
	12-Apr-21	1299221	1.925	BBS
	16-Apr-21	1303005	1.100	BBS
	22-Apr-21	1307352	2.465	BBS
	23-Apr-21	1308417	1.190	BBS
	28-Apr-21	1311595	1.870	BBS
May-21	3-May-21	1315051	1.135	BBS
	4-May-21	1315775	1.985	BBS
	12-May-21	1321983	2.015	BBS
	12-May-21	1322119	1.340	BBS
	19-May-21	1326455	2.065	BBS
	20-May-21	1327196	1.460	BBS
	25-May-21	1330123	1.380	BBS
	27-May-21	1331672	2.160	BBS
Jun-21	28-May-21	1332529	1.195	BBS
	4-Jun-21	1337694	1.215	Aras Green Environment
	7-Jun-21	1339432	2.230	Aras Green Environment
	7-Jun-21	1339424	1.100	Aras Green Environment
	15-Jun-21	1345021	1.165	Aras Green Environment
	28-Jun-21	1354001	1.230	Aras Green Environment
	29-Jun-21	1354898	1.255	Aras Green Environment
	2-Jul-21	1357190	1.280	Aras Green Environment
Jul-21	13-Jul-21	1364755	1.225	Aras Green Environment
	20-Jul-21	1369009	1.245	Aras Green Environment
	24-Jul-21	1371787	1.280	Aras Green Environment
	24-Jul-21	1371868	2.300	Aras Green Environment
	26-Jul-21	1372894	1.255	Aras Green Environment
	28-Jul-21	1374653	2.280	Aras Green Environment
	28-Jul-21	1374548	1.005	Aras Green Environment
	9-Aug-21	1382110	1.180	Aras Green Environment
Aug-21	11-Aug-21	1383621	2.230	Aras Green Environment
	17-Aug-21	1387542	1.185	Aras Green Environment
	18-Aug-21	1388152	2.245	Aras Green Environment
	20-Aug-21	1389727	1.250	Aras Green Environment
	27-Aug-21	1394094	1.180	Aras Green Environment
	4-Sep-21	1399546	1.170	Aras Green Environment
	7-Sep-21	1401153	1.050	Aras Green Environment
	15-Sep-21	1406633	1.220	Aras Green Environment
Oct-21	13-Oct-21	1425714	1.180	Aras Green Environment
Nov-21	11-Nov-21	1448843	1.100	Sri Venkateshwara
	12-Nov-21	1449881	1.170	Aras Green Environment
	26-Nov-21	1464070	1.170	Aras Green Environment
	29-Nov-21	1467199	1.180	Aras Green Environment

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PART-A

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Dec-21	9-Dec-21	1476625	1.180	Anas Green Environment
	10-Dec-21	1477397	1.165	Anas Green Environment
	13-Dec-21	1480718	2.355	Anas Green Environment
	13-Dec-21	1480724	2.000	Anas Green Environment
	14-Dec-21	1482319	2.045	Anas Green Environment
	15-Dec-21	1483378	1.175	Anas Green Environment
	21-Dec-21	1489425	1.170	Anas Green Environment
	23-Dec-21	1490039	1.165	Anas Green Environment
	24-Dec-21	1492881	1.175	Anas Green Environment
	28-Dec-21	1497432	1.180	Anas Green Environment
Jan-22	7-Jan-22	1508631	1.170	Anas Green Environment
	13-Jan-22	1515187	1.185	Anas Green Environment
	19-Jan-22	1521253	1.075	Anas Green Environment
	24-Jan-22	1526107	1.165	Anas Green Environment
Feb-22	3-Feb-22	1537634	1.155	Anas Green Environment
	7-Feb-22	1541443	1.160	Anas Green Environment
	9-Feb-22	1543728	0.915	Anas Green Environment
Mar-22	3-Mar-22	1567796	1.160	Anas Green Environment
	10-Mar-22	1576039	1.160	Anas Green Environment
	15-Mar-22	1581276	1.155	Anas Green Environment
	21-Mar-22	1586453	1.155	Anas Green Environment
	26-Mar-22	1592700	1.150	Anas Green Environment
TOTAL QUANTITY (In MT)			94.915	

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
Apr-21	10-Apr-21	1298300	10.335	SEPPL
	23-Apr-21	1308191	11.710	BEIL
	28-Apr-21	1312032	25.370	SEPPL
May-21	27-May-21	1331662	9.485	SEPPL
Jun-21	6-Jun-21	1338776	24.725	SEPPL
TOTAL QUANTITY (In MT)			81.625	

4. Process waste or Residue Cat -29.1

(b) For Co-processing

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Apr-21	12-Apr-21	1299832	8.325	RSPL
	27-Apr-21	1311082	8.425	RSPL
May-21	3-May-21	1315017	5.865	RSPL
	24-May-21	1329542	9.365	RSPL
Jun-21	5-Jun-21	1338452	8.465	RSPL
	11-Jun-21	000001	26.890	Nuvoco Vistas Pvt Ltd
	18-Jun-21	000002	28.410	Nuvoco Vistas Pvt Ltd

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Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Jun-21	26-Jun-21	000003	11.845	Eco Waste management
	26-Jun-21	000004	8.910	Eco Waste management
	26-Jun-21	000005	20.120	Eco Waste management
Jul-21	28-Jun-21	000006	18.620	Eco Waste management
	6-Jul-21	000007	11.145	Eco Waste management
	6-Jul-21	000008	11.640	Eco Waste management
	8-Jul-21	000009	10.045	Eco Waste management
	9-Jul-21	000010	11.340	Eco Waste management
	15-Jul-21	000011	8.300	Eco Waste management
	19-Jul-21	000012	12.455	Eco Waste management
	21-Jul-21	000013	8.570	Eco Waste management
	23-Jul-21	000014	8.405	Eco Waste management
	27-Jul-21	000015	8.205	Eco Waste management
Aug-21	29-Jul-21	000016	7.510	Eco Waste management
	31-Jul-21	1376396	8.100	Eco Waste management
	4-Aug-21	1379084	8.620	Eco Waste management
	5-Aug-21	1379275	24.860	Eco Waste management
	11-Aug-21	1383907	22.520	Eco Waste management
	11-Aug-21	1383889	26.765	Eco Waste management
	12-Aug-21	1384278	8.925	Eco Waste management
	13-Aug-21	1385297	20.450	Eco Waste management
	13-Aug-21	1385284	20.195	Eco Waste management
	14-Aug-21	1385929	8.180	Eco Waste management
	16-Aug-21	1386844	8.310	Eco Waste management
	16-Aug-21	1386860	22.415	Eco Waste management
	16-Aug-21	1386955	19.310	Eco Waste management
	17-Aug-21	1387481	7.920	Eco Waste management
	18-Aug-21	1388188	7.415	Eco Waste management
	18-Aug-21	1388399	22.155	Eco Waste management
	19-Aug-21	1388775	27.165	Eco Waste management
	20-Aug-21	1389801	8.240	Eco Waste management
	23-Aug-21	1391313	8.510	Eco Waste management
	23-Aug-21	1391376	7.665	Eco Waste management
	24-Aug-21	1391690	25.470	Eco Waste management
	24-Aug-21	1392241	19.415	Eco Waste management
	26-Aug-21	1393293	8.115	Eco Waste management
	31-Aug-21	1396443	8.745	Eco Waste management
	31-Aug-21	1396711	8.190	Eco Waste management
	31-Aug-21	1396627	24.570	Eco Waste management
Sep-21	8-Sep-21	1402373	8.565	RSPL
	8-Sep-21	1402407	8.745	RSPL
	9-Sep-21	1403073	8.735	Eco Waste management
	9-Sep-21	1402817	8.445	Eco Waste management
	11-Sep-21	1404163	8.845	Eco Waste management
	11-Sep-21	1404207	8.675	Eco Waste management
	11-Sep-21	1404287	9.500	Eco Waste management
	13-Sep-21	1405287	9.450	Eco Waste management

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Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Sep-21	14-Sep-21	1406082	9.060	Eco Waste management
	14-Sep-21	1405694	26.400	Eco Waste management
	14-Sep-21	1405841	9.395	Eco Waste management
	15-Sep-21	1406536	7.740	Eco Waste management
	20-Sep-21	1409517	9.435	Eco Waste management
	20-Sep-21	1409736	6.595	Eco Waste management
	23-Sep-21	1411741	9.170	Eco Waste management
	23-Sep-21	1411943	9.220	Eco Waste management
	27-Sep-21	1414535	8.730	Eco Waste management
	27-Sep-21	1414557	8.900	Eco Waste management
	30-Sep-21	1416693	9.815	Eco Waste management
	30-Sep-21	1416693	7.545	Eco Waste management
	30-Sep-21	1416904	7.270	Eco Waste management
	30-Sep-21	1417010	24.020	Eco Waste management
	30-Sep-21	1416970	23.555	Eco Waste management
Oct-21	4-Oct-21	1419271	22.830	Eco Waste management
	5-Oct-21	1419936	24.270	Eco Waste management
	5-Oct-21	1419962	38.350	Eco Waste management
	6-Oct-21	1420456	9.150	Eco Waste management
	6-Oct-21	1420495	9.255	Eco Waste management
	7-Oct-21	1421551	19.120	Eco Waste management
	8-Oct-21	1422203	23.220	Eco Waste management
	8-Oct-21	1422221	9.045	Eco Waste management
	8-Oct-21	1422259	7.425	Eco Waste management
	17-Oct-21	1428305	9.450	Eco Waste management
	17-Oct-21	1428274	9.465	Eco Waste management
	18-Oct-21	1429078	9.395	Eco Waste management
	19-Oct-21	1430130	7.190	Eco Waste management
	20-Oct-21	1430593	9.390	Eco Waste management
	21-Oct-21	1431426	24.370	Eco Waste management
	22-Oct-21	1432439	8.640	Eco Waste management
	22-Oct-21	1432480	6.010	Eco Waste management
	22-Oct-21	1432777	6.640	Eco Waste management
	24-Oct-21	1434356	9.530	Eco Waste management
	26-Oct-21	1436247	8.480	Eco Waste management
Nov-21	27-Oct-21	1437870	7.730	Eco Waste management
	29-Oct-21	1439367	9.060	Eco Waste management
	29-Oct-21	1439430	9.415	Eco Waste management
	31-Oct-21	1441731	9.540	Eco Waste management
	1-Nov-21	1442248	8.700	Eco Waste management
	2-Nov-21	1443434	23.990	Eco Waste management
	3-Nov-21	1444228	8.560	Eco Waste management
	6-Nov-21	1445257	9.850	Eco Waste management
	6-Nov-21	1445266	7.475	Eco Waste management
	7-Nov-21	1445731	25.485	Eco Waste management
	8-Nov-21	1446009	9.450	Eco Waste management
	9-Nov-21	1446727	9.195	Eco Waste management
	13-Nov-21	1451015	8.715	Eco Waste management

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PART-A

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Nov-21	14-Nov-21	1452261	30.760	Eco Waste management
	15-Nov-21	1453163	8.605	Eco Waste management
	17-Nov-21	1454825	8.270	Eco Waste management
	17-Nov-21	1454975	10.540	Eco Waste management
	18-Nov-21	1456431	13.215	RSPL
	20-Nov-21	1457853	9.115	Eco Waste management
	22-Nov-21	1459461	8.360	Eco Waste management
	25-Nov-21	1463101	8.605	Eco Waste management
	26-Nov-21	1464144	6.710	Eco Waste management
	27-Nov-21	1465139	22.755	Eco Waste management
	30-Nov-21	1468135	7.440	Eco Waste management
Dec-21	4-Dec-21	1471605	22.590	Eco Waste management
	4-Dec-21	1472331	25.590	Eco Waste management
	7-Dec-21	1474176	9.790	Eco Waste management
	7-Dec-21	1474618	8.710	Eco Waste management
	9-Dec-21	1476362	8.670	Eco Waste management
	9-Dec-21	1476354	9.190	Eco Waste management
	9-Dec-21	1476594	7.105	Eco Waste management
	10-Dec-21	1477569	6.005	RSPL
	13-Dec-21	1480509	26.095	Eco Waste management
	13-Dec-21	1481207	24.820	Eco Waste management
	13-Dec-21	1481194	8.465	Eco Waste management
	14-Dec-21	1481611	30.675	Eco Waste management
	16-Dec-21	1484318	8.210	Eco Waste management
	16-Dec-21	1484630	4.300	Eco Waste management
	19-Dec-21	1487760	6.285	Eco Waste management
	19-Dec-21	1487756	7.710	Eco Waste management
	20-Dec-21	1488903	7.880	Eco Waste management
	21-Dec-21	1489405	21.190	Eco Waste management
	24-Dec-21	1492888	8.230	Eco Waste management
	26-Dec-21	1495014	22.405	RSPL
	26-Dec-21	1495083	7.650	Eco Waste management
	27-Dec-21	1495878	8.520	Eco Waste management
	27-Dec-21	1496050	7.395	Eco Waste management
	27-Dec-21	1496418	16.300	RSPL
	29-Dec-21	1498927	8.660	Eco Waste management
	31-Dec-21	1501221	8.440	Eco Waste management
Jan-22	1-Jan-22	1501779	27.370	Eco Waste management
	1-Jan-22	1501979	8.530	Eco Waste management
	2-Jan-22	1502842	7.250	Eco Waste management
	2-Jan-22	1503105	8.650	Eco Waste management
	7-Jan-22	1508525	7.960	Eco Waste management
	8-Jan-22	1509485	27.645	Eco Waste management
	8-Jan-22	1510426	20.655	Eco Waste management
	9-Jan-22	1510882	7.550	Eco Waste management
	10-Jan-22	1511630	5.460	RSPL
	12-Jan-22	1513838	27.830	Eco Waste management
	13-Jan-22	1515251	7.545	Eco Waste management

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PART-A

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Jan-22	14-Jan-22	1516025	22.810	RSPL
	15-Jan-22	1517040	22.565	Eco Waste management
	17-Jan-22	1518183	8.175	Eco Waste management
	17-Jan-22	1518902	27.145	Eco Waste management
	19-Jan-22	1520502	19.810	Eco Waste management
	19-Jan-22	1520926	7.965	Eco Waste management
	19-Jan-22	1521545	6.595	RSPL
	20-Jan-22	1522655	21.770	RSPL
	21-Jan-22	1522890	34.205	Eco Waste management
	21-Jan-22	1523346	6.780	Eco Waste management
	21-Jan-22	1523368	7.925	Eco Waste management
	21-Jan-22	1523826	26.895	Eco Waste management
	22-Jan-22	1524116	8.945	Eco Waste management
	22-Jan-22	1524866	3.825	RSPL
	23-Jan-22	1525271	8.280	Eco Waste management
	23-Jan-22	1525215	7.725	Eco Waste management
	24-Jan-22	1526154	8.025	Eco Waste management
	26-Jan-22	1528657	7.970	Eco Waste management
	27-Jan-22	1529197	8.140	Eco Waste management
	28-Jan-22	1531014	22.930	Eco Waste management
	30-Jan-22	1533193	28.880	Eco Waste management
	31-Jan-22	1533840	9.265	Eco Waste management
	31-Jan-22	1533858	27.860	Eco Waste management
Feb-22	1-Feb-22	1534826	7.740	Eco Waste management
	1-Feb-22	1535008	6.535	RSPL
	2-Feb-22	1536783	26.215	Eco Waste management
	3-Feb-22	1537130	8.170	Eco Waste management
	3-Feb-22	1537155	7.895	Eco Waste management
	3-Feb-22	1537421	7.670	Eco Waste management
	4-Feb-22	1538197	18.700	RSPL
	4-Feb-22	1538400	8.135	Eco Waste management
	7-Feb-22	1541230	7.910	Eco Waste management
	7-Feb-22	1541831	22.720	Eco Waste management
	9-Feb-22	1544264	8.285	Eco Waste management
	11-Feb-22	1545944	2.930	RSPL
	11-Feb-22	1546130	28.270	Eco Waste management
	12-Feb-22	1547189	8.475	Eco Waste management
	14-Feb-22	1549410	27.625	Eco Waste management
	16-Feb-22	1550953	20.610	RSPL
	16-Feb-22	1551531	7.765	Eco Waste management
	17-Feb-22	1552987	27.020	Eco Waste management
	18-Feb-22	1553497	7.785	Eco Waste management
	20-Feb-22	1555930	27.470	Eco Waste management
	22-Feb-22	1557787	7.700	Eco Waste management
	22-Feb-22	1557862	7.635	Eco Waste management
	24-Feb-22	1560524	28.550	Eco Waste management
	25-Feb-22	1562006	25.695	Eco Waste management
	27-Feb-22	1563865	7.760	Eco Waste management

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PART-A

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Feb-22	27-Feb-22	1563791	7.650	Eco Waste management
	28-Feb-22	1564903	7.615	RSPL
Mar-22	2-Mar-22	1567019	27.975	Eco Waste management
	2-Mar-22	1567115	7.590	Eco Waste management
	3-Mar-22	1567804	6.140	Eco Waste management
	5-Mar-22	1570487	8.085	Eco Waste management
	5-Mar-22	1570515	22.150	RSPL
	5-Mar-22	1570625	29.250	Eco Waste management
	7-Mar-22	1571921	6.575	Eco Waste management
	8-Mar-22	1573113	7.840	Eco Waste management
	9-Mar-22	1574874	23.445	Eco Waste management
	9-Mar-22	1575079	7.435	Eco Waste management
	9-Mar-22	1575207	8.070	Eco Waste management
	11-Mar-22	1576982	8.555	Eco Waste management
	12-Mar-22	1578337	9.120	Eco Waste management
	12-Mar-22	1578960	7.680	Eco Waste management
	13-Mar-22	1579331	5.990	Eco Waste management
	14-Mar-22	1580162	7.895	Eco Waste management
	16-Mar-22	1582296	18.485	RSPL
	16-Mar-22	1583200	7.595	Eco Waste management
	17-Mar-22	1583937	7.520	Eco Waste management
	21-Mar-22	1586162	7.690	Eco Waste management
	21-Mar-22	1586395	6.920	Eco Waste management
	21-Mar-22	1586377	8.170	Eco Waste management
	23-Mar-22	1588744	18.830	RSPL
	23-Mar-22	1588750	7.645	Eco Waste management
	23-Mar-22	1588782	7.945	Eco Waste management
	25-Mar-22	1591649	8.200	Eco Waste management
	26-Mar-22	1592709	7.000	Eco Waste management
	27-Mar-22	1593269	24.850	Eco Waste management
	27-Mar-22	1593456	7.625	Eco Waste management
	27-Mar-22	1593353	8.860	Eco Waste management
	31-Mar-22	1637892	8.610	Eco Waste management
	31-Mar-22	1638193	4.930	Eco Waste management
	31-Mar-22	1638091	5.305	Eco Waste management
TOTAL QUANTITY (In MT)			3017.970	

ANNEXURE-E

5 Recovered Sulphur Cat -B-37

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
Nil				

ANNEXURE-F

6 Used battery

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
Nil				

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Year -2021-22
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%	-	2778.322
		Hydrochloric Acid 30%	B-15	3490.689
		Phosphoric Acid	B-15	579.895
		Sodium Bisulphite Powder	-	371.480
		Sodium Bisulphite Solution (30%)	-	1076.908
		sodium Sulphite Solution	B-15	68.050

2	Total Quantity of Category wise waste Disposed	Hazardous waste generation	Category	Quantity Disposal (in MT)
		Sodium Hydro sulfide 30%	--	2766.860
		Hydrochloric Acid 30%	B-15	3485.360
		Phosphoric Acid	B-15	606.655
		Sodium Bisulphite Powder	-	383.600
		Sodium Bisulphite Solution (30%)	-	1084.135
		sodium Sulphite Solution	B-15	68.050

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%	-	28.480
		Hydrochloric Acid 30%	B-15	32.658
		Phosphoric Acid	B-15	38.285
		Sodium Bisulphite Powder	-	4.200
		Sodium Bisulphite Solution (30%)	-	0
		sodium Sulphite Solution	B-15	35.000

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PART-A

ANNEXURE-G

1 Sodium Hydro sulfide 30%, Cat : Not Applicable

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Apr-21	5-Apr-21	1294247	20.960	Sahyog Pharma Chem
	6-Apr-21	1295013	17.275	R.P.Industries
	8-Apr-21	1296871	16.980	Dhruv Sales Corporation
	10-Apr-21	1298216	18.245	Raina Industries
	13-Apr-21	1300514	19.845	Raina Industries
	14-Apr-21	1301507	18.325	Dev Dye Chem Industries
	15-Apr-21	1302471	7.815	R.P.Industries
	19-Apr-21	1305214	18.175	Jayvir Dye Chem
	19-Apr-21	1305291	15.780	Raina Industries
	22-Apr-21	1307299	17.440	Raina Industries
	26-Apr-21	1310252	17.615	Raina Industries
	29-Apr-21	1312309	14.710	Saga Chemie Pvt. Ltd.
	30-Apr-21	1313350	17.620	Sahyog Pharma Chem
	3-May-21	1315205	16.525	Saga Chemie Pvt. Ltd.
May-21	5-May-21	1316665	17.375	Raina Industries
	7-May-21	1318723	17.545	Raina Industries
	7-May-21	1318513	20.580	Jayvir Dye Chem
	10-May-21	1320615	18.490	Raina Industries
	12-May-21	1321577	17.740	Raina Industries
	13-May-21	1323142	17.055	Raina Industries
	17-May-21	1325835	18.890	Raina Industries
	21-May-21	1327537	18.835	Ohm Dye Chem
	22-May-21	1328234	18.865	Raina Industries
	24-May-21	1329407	18.875	Saga Chemie Pvt. Ltd.
	26-May-21	1330902	18.800	Raina Industries
	27-May-21	1332033	18.585	Jayvir Dye Chem
	31-May-21	1334575	18.780	Raina Industries
	31-May-21	1334569	18.200	Raina Industries
Jun-21	3-Jun-21	1336120	18.810	Raina Industries
	4-Jun-21	1337870	16.580	Raina Industries
	14-Jun-21	1344473	18.595	Dev Dye Chem Industries
	17-Jun-21	1346780	18.530	Ohm Dye Chem
	18-Jun-21	1347543	18.770	Sahyog Pharma Chem
	21-Jun-21	1349429	18.695	Ohm Dye Chem
	25-Jun-21	1352267	18.845	Ohm Dye Chem
	28-Jun-21	1354253	18.775	Saga Chemie Pvt. Ltd.
	29-Jun-21	1354850	18.695	Raina Industries
	29-Jun-21	1355178	16.645	Saga Chemie Pvt. Ltd.
Jul-21	07-Jul-21	1360808	18.640	Raina Industries
	09-Jul-21	1362311	18.670	Dev Dye Chem Industries
	10-Jul-21	1362678	17.675	Raina Industries
	12-Jul-21	1363915	18.700	Raina Industries
	15-Jul-21	1366197	18.690	Sahyog Pharma Chem
	19-Jul-21	1368427	18.740	Raina Industries
	19-Jul-21	1368642	16.540	Saga Chemie Pvt. Ltd.
	21-Jul-21	1370023	18.725	Raina Industries
	22-Jul-21	1370646	18.685	Raina Industries

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PART-A

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Jul-21	23-Jul-21	1371496	16.260	Saga Chemie Pvt. Ltd.
	24-Jul-21	1372027	18.535	Sahyog Pharma Chem
	28-Jul-21	1374586	18.760	Dev Dye Chem Industries
Aug-21	3-Aug-21	1378410	18.595	Jayvir Dye Chem
	4-Aug-21	1378877	16.700	Rang Chemicals
	5-Aug-21	1379694	18.870	Rang Chemicals
	7-Aug-21	1381138	16.790	Rang Chemicals
	9-Aug-21	1382448	18.835	Raina Industries
	14-Aug-21	1385969	18.635	Sahyog Pharma Chem
	16-Aug-21	1386884	10.575	Ohm Dye Chem
	17-Aug-21	1387637	17.650	Raina Industries
	19-Aug-21	1388844	17.730	Dev Dye Chem Industries
	21-Aug-21	1390205	20.655	Rang Chemicals
	23-Aug-21	1391239	18.840	Raina Industries
	28-Aug-21	1394826	9.780	Ohm Dye Chem
	30-Aug-21	1396101	16.430	Rang Chemicals
Sep-21	1-Sep-21	1397316	17.685	Raina Industries
	1-Sep-21	1397304	18.775	Jayvir Dye Chem
	2-Sep-21	1398260	16.210	Rang Chemicals
	3-Sep-21	1398798	18.290	Raina Industries
	6-Sep-21	1400745	18.635	Rang Chemicals
	8-Sep-21	1402083	18.700	Saga Chemie Pvt. Ltd.
	11-Sep-21	1403925	18.815	Rang Chemicals
	13-Sep-21	1405368	16.670	Rang Chemicals
	14-Sep-21	1406040	18.595	Saga Chemie Pvt. Ltd.
	16-Sep-21	1407669	18.800	Rang Chemicals
	20-Sep-21	1409444	18.690	Ohm Dye Chem
	22-Sep-21	1411217	18.800	Rang Chemicals
	23-Sep-21	1412016	19.990	Raina Industries
	25-Sep-21	1413549	16.810	Rang Chemicals
	25-Sep-21	1413546	18.735	Dev Dye Chem Industries
	28-Sep-21	1415653	18.640	Rang Chemicals
	30-Sep-21	1416950	18.770	Raina Industries
Oct-21	5-Oct-21	1419646	19.790	Saga Chemie Pvt. Ltd.
	6-Oct-21	1420953	16.850	Rang Chemicals
	7-Oct-21	1421653	17.570	Dev Dye Chem Industries
	7-Oct-21	1421641	17.775	Rang Chemicals
	12-Oct-21	1425225	20.585	Saga Chemie Pvt. Ltd.
	14-Oct-21	1426662	18.410	Rang Chemicals
	14-Oct-21	1426239	17.725	Rang Chemicals
	18-Oct-21	1429425	18.020	Saga Chemie Pvt. Ltd.
	19-Oct-21	1430246	16.655	Rang Chemicals
	25-Oct-21	1435522	16.340	Rang Chemicals
	26-Oct-21	1436822	19.730	Rang Chemicals
	27-Oct-21	1437712	18.635	Rang Chemicals
	29-Oct-21	1439820	18.690	Saga Chemie Pvt. Ltd.
	30-Oct-21	1440845	16.585	Rang Chemicals

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Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Nov-21	1-Nov-21	1442530	18.675	Dhruv Sales Corporation
	3-Nov-21	1444462	18.220	Saga Chemie Pvt. Ltd.
	8-Nov-21	1446121	18.630	Rang Chemicals
	10-Nov-21	1448045	20.345	Saga Chemie Pvt. Ltd.
	11-Nov-21	1449191	18.460	Saga Chemie Pvt. Ltd.
	15-Nov-21	1453050	18.555	Rang Chemicals
	16-Nov-21	1454121	16.740	Rang Chemicals
	17-Nov-21	1455451	16.455	Saga Chemie Pvt. Ltd.
	18-Nov-21	1456449	18.615	Dhruv Sales Corporation
	21-Nov-21	1458562	16.510	Rang Chemicals
	4-Dec-21	1472228	17.670	Rang Chemicals
Dec-21	7-Dec-21	1474544	12.130	Dev Dye Chem Industries
	13-Dec-21	1481241	12.010	Rang Chemicals
	15-Dec-21	1483516	12.360	Saga Chemie Pvt. Ltd.
	19-Dec-21	1487798	18.810	Dev Dye Chem Industries
	20-Dec-21	1489003	16.890	Rang Chemicals
	21-Dec-21	1490033	18.655	Saga Chemie Pvt. Ltd.
	21-Dec-21	1490038	19.055	Ohm Dye Chem
	23-Dec-21	1492285	18.320	Rang Chemicals
	25-Dec-21	1494684	17.910	Ohm Dye Chem
	27-Dec-21	1496665	17.400	Saga Chemie Pvt. Ltd.
	29-Dec-21	1499189	17.910	Dhruv Sales Corporation
Jan-22	30-Dec-21	1500276	16.770	Rang Chemicals
	1-Jan-22	1502360	18.565	Raina Industries
	4-Jan-22	1505297	18.105	Dev Dye Chem Industries
	7-Jan-22	1509129	18.185	Dhruv Sales Corporation
	18-Jan-22	1519320	18.090	Rang Chemicals
	21-Jan-22	1522948	18.395	Shree Hari Organic
	22-Jan-22	1524856	20.660	Rang Chemicals
	24-Jan-22	1526522	16.750	Rang Chemicals
	25-Jan-22	1527892	22.640	Saga Chemie Pvt Ltd
	25-Jan-22	1527987	17.520	Dev Dye Chem Industries
	27-Jan-22	1529804	16.620	Rang Chemicals
Feb-22	29-Jan-22	1531857	18.395	Dhruv Sales Corporation
	31-Jan-22	1534454	22.325	Saga Chemie Pvt Ltd
	3-Feb-22	1537207	18.360	Rang Chemicals
	4-Feb-22	1538748	17.510	Ohm Dye Chem
	17-Feb-22	1553021	18.460	Saga Chemie Pvt Ltd
	18-Feb-22	1554217	16.845	Rang Chemicals
	18-Feb-22	1554210	20.320	Rang Chemicals
	19-Feb-22	1555299	18.540	Ohm Dye Chem
	21-Feb-22	1557351	17.700	Dev Dye Chem Industries
	24-Feb-22	1560484	17.550	Dhruv Sales Corporation
	26-Feb-22	1562981	18.670	Rang Chemicals
	28-Feb-22	1565312	18.135	Raina Industries

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Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Mar-22	1-Mar-22	1566270	16.845	Rang Chemicals
	2-Mar-22	1567141	18.435	Dhruv Sales Corporation
	4-Mar-22	1569509	18.030	Saga Chemie Pvt Ltd
	7-Mar-22	1572726	18.395	Jayvir Dye Chem
	10-Mar-22	1576251	18.455	Dev Dye Chem Industries
	12-Mar-22	1578741	18.440	Saga Chemie Pvt Ltd
	14-Mar-22	1580495	16.535	Rang Chemicals
	14-Mar-22	1580503	18.555	Ohm Dye Chem
	16-Mar-22	1582868	18.275	Dhruv Sales Corporation
	21-Mar-22	1586593	18.585	Dev Dye Chem Industries
	23-Mar-22	1589475	18.530	Raina Industries
	24-Mar-22	1590638	20.915	Saga Chemie Pvt Ltd
	28-Mar-22	1634960	21.110	Rang Chemicals
	28-Mar-22	1594167	20.485	Rang Chemicals
	31-Mar-22	1638290	18.290	Dhruv Sales Corporation
TOTAL QUANTITY (In MT)			2766.860	

ANNEXURE-H

2 Hydrochloric Acid 30% Cat: B-15

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Apr-21	2-Apr-21	1291846	19.760	Rahul Intermediates
	5-Apr-21	1294278	23.410	Rahul Intermediates
	8-Apr-21	1296768	23.870	Shreeji Industries
	8-Apr-21	1296215	20.020	Rahul Intermediates
	9-Apr-21	1297618	23.180	Rahul Intermediates
	12-Apr-21	1299798	19.910	Rahul Intermediates
	14-Apr-21	1301542	24.735	Rahul Intermediates
	16-Apr-21	1303186	24.925	Shreeji Industries
	20-Apr-21	1306131	19.900	Rahul Intermediates
	20-Apr-21	1305907	23.450	Rahul Intermediates
	22-Apr-21	1307694	19.590	Rahul Intermediates
	23-Apr-21	1308390	19.650	Rahul Intermediates
	24-Apr-21	1309098	19.265	Rahul Intermediates
	26-Apr-21	1310257	19.125	Rahul Intermediates
	27-Apr-21	1311223	13.870	Rahul Intermediates
	30-Apr-21	1313468	19.885	Rahul Intermediates
May-21	4-May-21	1316159	19.445	Rahul Intermediates
	6-May-21	1317690	19.500	Rahul Intermediates
	8-May-21	1319234	19.555	Rahul Intermediates
	11-May-21	1321379	28.045	Shreeji Industries
	14-May-21	1323481	20.040	Rahul Intermediates
	14-May-21	1323937	24.315	Shreeji Industries
	14-May-21	1323774	19.820	Rahul Intermediates
	18-May-21	1326094	19.580	Rahul Intermediates
	24-May-21	1329221	25.100	Shanku Bio-Sciences Pvt. Ltd.
	24-May-21	1329555	19.500	Rahul Intermediates

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Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
May-21	24-May-21	1329228	19.585	Rahul Intermediates
	27-May-21	1331898	28.300	Shreeji Industries
	29-May-21	1333646	29.800	Shreeji Industries
	31-May-21	1334820	23.360	Shreeji Industries
Jun-21	3-Jun-21	1336983	26.380	Shreeji Industries
	4-Jun-21	1337630	19.510	Rahul Intermediates
	8-Jun-21	1340483	20.420	Rahul Intermediates
	12-Jun-21	1343491	19.425	Rahul Intermediates
	16-Jun-21	1346140	28.725	Shreeji Industries
	16-Jun-21	1346272	19.290	Rahul Intermediates
	18-Jun-21	1347552	23.930	Shreeji Industries
	21-Jun-21	1349437	19.570	Rahul Intermediates
	22-Jun-21	1350104	19.060	Rahul Intermediates
	25-Jun-21	1352273	19.480	Rahul Intermediates
	28-Jun-21	1354069	20.055	Rahul Intermediates
	29-Jun-21	1355172	19.905	Rahul Intermediates
	30-Jun-21	1355991	23.995	Shreeji Industries
	06-Jul-21	1359242	18.790	Rahul Intermediates
	07-Jul-21	1360770	23.820	Rahul Intermediates
Jul-21	08-Jul-21	1361507	18.805	Rahul Intermediates
	09-Jul-21	1362220	19.595	Rahul Intermediates
	12-Jul-21	1364060	18.790	Rahul Intermediates
	15-Jul-21	1366194	18.720	Rahul Intermediates
	19-Jul-21	1368471	19.725	Rahul Intermediates
	19-Jul-21	1368562	17.765	Rahul Intermediates
	21-Jul-21	1369903	19.655	Rahul Intermediates
	22-Jul-21	1370632	24.420	Shreeji Industries
	23-Jul-21	1370931	18.640	Rahul Intermediates
	26-Jul-21	1372906	23.805	Shreeji Industries
	30-Jul-21	1375945	23.595	Rahul Intermediates
	30-Jul-21	1375854	19.150	Rahul Intermediates
Aug-21	3-Aug-21	1378322	23.150	Rahul Intermediates
	3-Aug-21	1378340	19.365	Rahul Intermediates
	5-Aug-21	1379291	22.645	Rahul Intermediates
	6-Aug-21	1380560	21.560	Rahul Intermediates
	9-Aug-21	1382339	19.085	Rahul Intermediates
	11-Aug-21	1383935	18.810	Rahul Intermediates
	13-Aug-21	1385387	16.315	Rahul Intermediates
	13-Aug-21	1385385	17.475	Rahul Intermediates
	18-Aug-21	1388332	19.030	Rahul Intermediates
	18-Aug-21	1388326	19.525	Rahul Intermediates
	21-Aug-21	1390202	19.255	Rahul Intermediates
	23-Aug-21	1391398	19.460	Rahul Intermediates
	25-Aug-21	1392958	23.370	Rahul Intermediates
	27-Aug-21	1394349	18.575	Rahul Intermediates
	28-Aug-21	1395006	18.500	Rahul Intermediates
	28-Aug-21	1395285	17.460	Rahul Intermediates
	31-Aug-21	1396767	22.900	Rahul Intermediates

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Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Sep-21	4-Sep-21	1399567	19.135	Rahul Intermediates
	6-Sep-21	1400437	18.715	Rahul Intermediates
	8-Sep-21	1402342	19.105	Rahul Intermediates
	8-Sep-21	1402196	23.370	Rahul Intermediates
	11-Sep-21	1404196	19.465	Rahul Intermediates
	14-Sep-21	1406071	19.420	Rahul Intermediates
	16-Sep-21	1407511	23.355	Rahul Intermediates
	20-Sep-21	1409658	22.500	Rahul Intermediates
	20-Sep-21	1409439	19.420	Rahul Intermediates
	22-Sep-21	1411220	19.870	Rahul Intermediates
	22-Sep-21	1411470	22.960	Rahul Intermediates
	24-Sep-21	1413010	22.460	Rahul Intermediates
	27-Sep-21	1414985	19.775	Rahul Intermediates
	30-Sep-21	1416636	19.505	Rahul Intermediates
	30-Sep-21	1417000	14.080	Rahul Intermediates
Oct-21	4-Oct-21	1419336	18.240	Rahul Intermediates
	4-Oct-21	1419348	19.450	Rahul Intermediates
	6-Oct-21	1420959	19.000	Rahul Intermediates
	8-Oct-21	1422028	15.575	Rahul Intermediates
	9-Oct-21	1423089	14.675	Rahul Intermediates
	14-Oct-21	1426205	19.570	Rahul Intermediates
	15-Oct-21	1427094	22.555	Rahul Intermediates
	18-Oct-21	1429427	19.395	Rahul Intermediates
	20-Oct-21	1431094	24.455	Rahul Intermediates
	22-Oct-21	1432966	24.445	Rahul Intermediates
	25-Oct-21	1435545	19.185	Rahul Intermediates
	27-Oct-21	1437956	19.485	Rahul Intermediates
	27-Oct-21	1437703	19.325	Rahul Intermediates
	29-Oct-21	1438897	19.190	Rahul Intermediates
Nov-21	1-Nov-21	1442885	19.695	Rahul Intermediates
	2-Nov-21	1443807	19.680	Rahul Intermediates
	8-Nov-21	1446355	23.440	Rahul Intermediates
	8-Nov-21	1446118	19.300	Rahul Intermediates
	12-Nov-21	1450239	19.020	Rahul Intermediates
	12-Nov-21	1450022	19.230	Rahul Intermediates
	15-Nov-21	1452852	19.425	Rahul Intermediates
	15-Nov-21	1453143	19.270	Rahul Intermediates
	15-Nov-21	1452849	19.570	Rahul Intermediates
	18-Nov-21	1456452	19.520	Rahul Intermediates
	23-Nov-21	1460781	19.170	Rahul Intermediates
Dec-21	27-Nov-21	1465818	19.575	Rahul Intermediates
	3-Dec-21	1471137	9.785	Rahul Intermediates
	6-Dec-21	1473786	19.720	Rahul Intermediates
	8-Dec-21	1475823	19.550	Rahul Intermediates
	11-Dec-21	1479146	19.155	Rahul Intermediates
	15-Dec-21	1483735	20.250	Rahul Intermediates
	18-Dec-21	1487093	20.040	Rahul Intermediates
	20-Dec-21	1488677	19.645	Rahul Intermediates

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Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Dec-21	23-Dec-21	1492268	19.495	Rahul Intermediates
	24-Dec-21	1493291	19.580	Rahul Intermediates
	27-Dec-21	1496466	19.170	Rahul Intermediates
	27-Dec-21	1496330	19.590	Rahul Intermediates
	28-Dec-21	1497956	19.165	Rahul Intermediates
	31-Dec-21	1501397	19.325	Rahul Intermediates
Jan-22	3-Jan-22	1504448	19.550	Rahul Intermediates
	4-Jan-22	1505537	15.625	Rahul Intermediates
	17-Jan-22	1518275	19.145	Rahul Intermediates
	20-Jan-22	1522307	23.835	Shankus Bio-Sciences Pvt Ltd
	21-Jan-22	1523805	19.940	Rahul Intermediates
	22-Jan-22	1524689	23.745	Shankus Bio-Sciences Pvt Ltd
	24-Jan-22	1526357	23.965	Shankus Bio-Sciences Pvt Ltd
	27-Jan-22	1530004	28.250	Shankus Bio-Sciences Pvt Ltd
	28-Jan-22	1531226	23.950	Shankus Bio-Sciences Pvt Ltd
	31-Jan-22	1534460	28.655	Shreeji Industries
	31-Jan-22	1533987	23.675	Shreeji Industries
	1-Feb-22	1535173	23.430	Shankus Bio-Sciences Pvt Ltd
	5-Feb-22	1539441	23.460	Shankus Bio-Sciences Pvt Ltd
	5-Feb-22	1540045	20.550	Shankus Bio-Sciences Pvt Ltd
Feb-22	7-Feb-22	1541961	20.955	Shankus Bio-Sciences Pvt Ltd
	18-Feb-22	1553544	23.770	Shreeji Industries
	19-Feb-22	1555296	24.680	Shreeji Industries
	22-Feb-22	1558559	28.160	Shreeji Industries
	22-Feb-22	1558476	19.720	Rahul Intermediates
	25-Feb-22	1562001	27.760	Shreeji Industries
	26-Feb-22	1563262	27.595	Shreeji Industries
	3-Mar-22	1567748	27.300	Shreeji Industries
	5-Mar-22	1570843	27.081	Shreeji Industries
	7-Mar-22	1572775	27.970	Shreeji Industries
Mar-22	8-Mar-22	1573209	19.200	Rahul Intermediates
	11-Mar-22	1577393	28.335	Shreeji Industries
	12-Mar-22	1578476	18.965	Rahul Intermediates
	15-Mar-22	1581460	35.565	Shreeji Industries
	16-Mar-22	1582827	19.375	Rahul Intermediates
	17-Mar-22	1583825	24.150	Shreeji Industries
	22-Mar-22	1588142	29.380	Shreeji Industries
	25-Mar-22	1591864	28.605	Shreeji Industries
	25-Mar-22	1591827	19.450	Rahul Intermediates
	28-Mar-22	1634965	28.510	Shreeji Industries
	30-Mar-22	1637271	29.470	Shreeji Industries
	31-Mar-22	1638063	19.425	Rahul Intermediates
TOTAL QUANTITY (In MT)			3485.360	

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PART-A

ANNEXURE-I

3 Phosphoric Acid Cat: B-15

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Apr-21	3-Apr-21	1292813	19.765	S.R. Chemicals
	14-Apr-21	1301517	19.635	S.R. Chemicals
	22-Apr-21	1307322	19.740	S.R. Chemicals
	29-Apr-21	1312543	19.995	S.R. Chemicals
May-21	13-May-21	1323066	20.065	S.R. Chemicals
	27-May-21	1332081	20.655	S.R. Chemicals
	29-May-21	1333416	20.100	S.R. Chemicals
Jun-21	5-Jun-21	1338604	20.120	S.R. Chemicals
	18-Jun-21	1347654	17.640	S.R. Chemicals
	25-Jun-21	1352284	19.980	S.R. Chemicals
Jul-21	16-Jul-21	1366736	19.880	S.R. Chemicals
	24-Jul-21	1371724	19.335	S.R. Chemicals
Aug-21	2-Aug-21	1377419	17.910	S.R. Chemicals
	16-Aug-21	1386979	13.825	S.R. Chemicals
	21-Aug-21	1390211	8.855	Choksey Chemical Industries
	28-Aug-21	1395140	13.645	S.R. Chemicals
Sep-21	9-Sep-21	1402836	15.610	S.R. Chemicals
	11-Sep-21	1404308	8.660	Choksey Chemicals
	25-Sep-21	1413705	15.460	S.R. Chemicals
Oct-21	9-Oct-21	1423236	21.385	Choksey Chemicals
	11-Oct-21	1424179	15.800	S.R. Chemicals
	14-Oct-21	1426723	8.900	Choksey Chemicals
	25-Oct-21	1432960	17.560	Choksey Chemicals
	31-Oct-21	1441677	11.375	Choksey Chemicals
Nov-21	9-Nov-21	1447232	12.050	S.R. Chemicals
	16-Nov-21	1454284	12.275	Choksey Chemicals
Dec-21	22-Dec-21	1491180	18.270	S.R. Chemicals
	31-Dec-21	1501475	18.735	Choksey Chemicals
Jan-22	24-Jan-22	1526423	16.565	Choksey Chemicals Industries
	25-Jan-22	1527910	15.580	S R Chemical
Feb-22	10-Feb-22	1545357	19.950	Choksey Chemicals Industries
	15-Feb-22	1550705	17.860	S.R. Chemicals
Mar-22	8-Mar-22	1573637	15.810	Choksey Chemicals Industries
	9-Mar-22	1575249	17.530	S.R. Chemicals
	28-Mar-22	1594204	17.750	S.R. Chemicals
	31-Mar-22	1638532	18.385	S.R. Chemicals
TOTAL QUANTITY (In MT)			606.655	

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PART-A

ANNEXURE-J

4 Sodium Bisulphite Powder Cat: Not Applicable

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Apr-21	6-Apr-21	1295038	20.000	P.G.Chemicals
	6-Apr-21	1295018	10.000	Lovely Chemicals
	13-Apr-21	1300696	20.000	Shalibhadra Intermediates Pvt.Ltd
	15-Apr-21	1302326	10.000	Akshar Enterprise
	20-Apr-21	1306142	10.000	Lovely Chemicals
	20-Apr-21	1306149	10.000	Jay Industries
	22-Apr-21	1307707	10.000	Shalibhadra Intermediates Pvt.Ltd
	24-Apr-21	1309095	10.000	Shalibhadra Intermediates Pvt.Ltd
	29-Apr-21	1312334	10.000	Navkar Chemicals
	29-Apr-21	1312438	10.000	Shalibhadra Intermediates Pvt.Ltd
May-21	3-May-21	1315388	10.000	P.G.Chemicals
	4-May-21	1316104	10.000	Shalibhadra Intermediates Pvt.Ltd
	8-May-21	1319466	10.000	Shalibhadra Intermediates Pvt.Ltd
	13-May-21	1323134	10.000	Lovely Chemicals
	17-May-21	132559	10.000	Shalibhadra Intermediates Pvt.Ltd
	20-May-21	1327193	10.000	Shalibhadra Intermediates Pvt.Ltd
	22-May-21	1328225	10.000	Jay Industries
	25-May-21	1330128	10.000	Shalibhadra Intermediates Pvt.Ltd
	25-May-21	1330357	10.000	Shalibhadra Intermediates Pvt.Ltd
	29-May-21	1333413	10.000	Shalibhadra Intermediates Pvt.Ltd
Jun-21	31-May-21	1334582	10.000	Shalibhadra Intermediates Pvt.Ltd
	8-Jun-21	1340395	3.000	Jay Industries
	18-Jun-21	1347547	10.000	Navkar Chemicals
Jul-21	13-Jul-21	1364722	10.000	Jay Industries
	19-Jul-21	1368693	5.000	Lovely Chemicals
	19-Jul-21	1368690	10.000	P.G.Chemicals
	19-Jul-21	1368685	5.000	Akshar Enterprise
	21-Jul-21	1370050	7.000	Shalibhadra Intermediates Pvt.Ltd
	22-Jul-21	1370641	3.000	Jay Industries
	26-Jul-21	1373155	10.000	Shalibhadra Intermediates Pvt.Ltd
	26-Jul-21	1372928	5.000	Lovely Chemicals
	30-Jul-21	1375868	10.000	P.G.Chemicals
	31-Jul-21	1376375	9.000	Navkar Chemicals
Aug-21	4-Aug-21	1378867	5.000	Akshar Enterprise
	4-Aug-21	1378874	10.000	Shalibhadra Intermediates Pvt.Ltd
	6-Aug-21	1380490	2.000	Shalibhadra Intermediates Pvt.Ltd
	6-Aug-21	1380454	5.000	Lovely Chemicals
	10-Aug-21	1383143	10.000	P.G.Chemicals
	11-Aug-21	1383702	10.000	Shalibhadra Intermediates Pvt.Ltd
	14-Aug-21	1385946	3.000	Jay Industries
	14-Aug-21	1385920	10.000	Jay Industries
	25-Aug-21	1392955	10.000	Navkar Chemicals
TOTAL QUANTITY (In MT)			383.600	

SIX MONTHLY EC COMPLIANCE REPORT

PCB ID- 15016

PART-A

ANNEXURE-K

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

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Apr-21	3-Apr-21	1292990	25.550	Jay Industries
	6-Apr-21	1295014	25.195	Jay Industries
	8-Apr-21	1296806	24.880	Jay Industries
	10-Apr-21	1298210	25.315	Jay Industries
	13-Apr-21	1300284	24.935	Jay Industries
	15-Apr-21	1302318	24.685	Jay Industries
	20-Apr-21	1306153	24.900	Jay Industries
	23-Apr-21	1308393	24.940	Jay Industries
	27-Apr-21	1311229	24.965	Jay Industries
	30-Apr-21	1313346	24.975	Jay Industries
May-21	4-May-21	1315848	25.130	Jay Industries
	8-May-21	1318734	25.165	Jay Industries
	10-May-21	1320779	25.255	Lovely Chemicals
	12-May-21	1321584	25.205	Lovely Chemicals
	13-May-21	1323140	25.295	Lovely Chemicals
	14-May-21	1323816	25.335	Lovely Chemicals
	22-May-21	1328358	26.860	Lovely Chemicals
	25-May-21	1330366	30.955	Jay Industries
	31-May-21	1334566	26.740	Lovely Chemicals
Jun-21	3-Jun-21	1337104	25.845	Jay Industries
	8-Jun-21	1340272	26.815	Jay Industries
	12-Jun-21	1343385	24.695	Jay Industries
	17-Jun-21	1346857	25.265	Jay Industries
	21-Jun-21	1349433	25.130	Jay Industries
	23-Jun-21	1350977	23.690	Jay Industries
	21-Jul-21	1369909	25.150	Lovely Chemicals
	23-Jul-21	1371492	15.365	Ohm Dye Chem
	24-Jul-21	1372004	25.160	Jay Industries
	26-Jul-21	1372950	25.170	Lovely Chemicals
Jul-21	28-Jul-21	1374578	25.205	Jay Industries
	31-Jul-21	1376564	25.150	Jay Industries
	3-Aug-21	1378180	25.185	Jay Industries
	5-Aug-21	1379699	24.815	Lovely Chemicals
	7-Aug-21	1381134	24.680	Jay Industries
	11-Aug-21	1383711	24.715	P.G.Chemicals
	14-Aug-21	1385955	24.795	P.G.Chemicals
	16-Aug-21	1387000	24.755	Lovely Chemicals
	18-Aug-21	1388367	24.790	P.G.Chemicals
	23-Aug-21	1391533	16.210	Ohm Dye Chem
Sep-21	11-Sep-21	1403910	17.755	Ohm Dye Chem
Oct-21	28-Oct-21	1438898	25.045	Ashirwad Industries
	31-Oct-21	1441846	25.010	
Nov-21	1-Nov-21	1442895	25.050	Ashirwad Industries
	11-Nov-21	1449011	22.410	Ashirwad Industries
TOTAL QUANTITY (In MT)			1084.135	

SIX MONTHLY EC COMPLIANCE REPORT

PCB ID- 15016

PART-A

ANNEXURE-L

6 Sodium Bisulphite Solution (30%) Cat: Not Applicable

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	End users
Oct-21	26-Oct-21	1436678	22.33	Ashirwad Industries
	30-Oct-21	1440831	22.54	Ashirwad Industries
Nov-21	16-Nov-21	1454140	23.18	Ashirwad Industries
TOTAL QUANTITY (In MT)			68.050	

DATE: 6th June 2022

PLACE: Panoli

Signature of Factory manager /Occupier

SIX MONTHLY EC COMPLIANCE REPORT

Annexure 5 -ENVIRONMENTAL STATEMENT – FORM V (2021 – 2022)



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

Ref No. CIL/ INTER/Form -V/2021-22/09/05/22

ID: 15016

Date: 5th September 2022

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 2021-22

Respected Sir,

Please find enclosed the duly filled Environment Statement in Form-V for the financial year 2021-22

Please acknowledge the same.

This is for your kind perusal please

Thanking you,
Yours faithfully,


Cheminova India Limited. Panoli.
Intermediate Division

Enclosures: Form —V

CC To: Regional Officer, GPCB, Ankleshwar.



Regd. Office address:- TCG Financial Center, 2nd 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.
Intermediate Division Plot no (27+28)/A
GIDC Panoli, Tal Ankleshwar Dist Bharuch

To:
Gujarat Pollution Control Board,
Paryavaran Bhavan, sector 18 A
Gandhinagar -382010

Environmental Statement for the financial year ending the 31st March, 2022

PART -A

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

PART -B

Water & Raw Material Consumption

i) Water consumption - M ³ /day	377	m ³ /day
Process	- 129	m ³ /day
Cooling	- 210	m ³ /day
Domestic	- 24	m ³ /day
Gardening	- 13	m ³ /day

Name of products	Process water consumption per product output (Lit/ Kg)	
	During the previous financial year 2020-2021 (1)	During the current financial year 2021-2022 (2)
(1) Diethyl Thio Phosphoryl Chloride	9.10	6.85
(2) Azole group based products (Florasulam)	54.00	55.00
(4) Bixlozone (F-9600)	9.500	7.36



SIX MONTHLY EC COMPLIANCE REPORT

ii) Raw Material consumption				
Sl. No.	* Name of raw materials	Name of Products	Consumption of raw material per unit of output	
			During the previous financial year	During the Current financial year
			2020-2021	2021-2022
1	Phosphorous	DETPC	0.199	0.1948
2	Sulphur		0.509	0.4980
3	Ethanol		0.791	0.7970
4	Caustic lye		0.120	0.2509
5	Chlorine		0.492	0.4879
6	Soda Ash		0.225	0.0699
7	Homet P	Azole group based products (Florasulam)	0.762	0.7627
8	TEA		1.054	1.0492
9	POCl3		0.893	0.8989
10	Hydrazine Hydrate		0.430	0.4315
11	H2O2		0.418	0.4124
12	CS2		0.460	0.4533
13	Chlorine		0.938	0.9888
14	2,6 DFA		0.589	0.5903
15	Toluene		0.330	0.2784
16	Caustic lye - 100 %		1.554	0.8681
17	Methanol		0.211	0.7101
18	30% HCl		2.406	2.3191
19	MDC		0.824	0.8634
20	SBS		0.545	0.0946
21	ACN		0.335	0.3056
22	IPA		0.247	0.2072
23	Sodium Methoxide-25%		2.533	2.5209
24	TBAHS		0.027	0.0292
25	Common salt	Bisoxzone (F-9600)	0.280	0.2697
26	Soda Ash		0.022	0.0225
27	Sodium Bi carbonate		1.280	1.2584
28	K2CO3		0.329	0.3539
44	Iso/sazolidinone solution,		0.629	0.6290
45	Heptane		0.086	0.0784
46	2, 4-DCBC		0.957	0.9492
47	TBAB catalyst		0.075	0.0732
48	48%Caustic lye		0.013	0.0135

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

PART-C

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

i) Pollutants		Quantity of pollutants discharged (mass/day) TPD Concentrations of pollutants in discharges (mass/volume) mg/l except pH & Temp. except pH & Temp.		Percentage of variation from prescribed standard with reasons
Average Flow 126.35 m3/d.				
a)	Water	TPD	mg/L	
	Total Dissolved Solid	0.8949	7082	---
	Total Suspended Solid	0.0044	34.83	---
	Chemical Oxygen Demand	0.0301	238.00	---
	Biological Oxygen Demand	0.0060	47.33	---
	Ammonical Nitrogen	0.0031	24.80	---



SIX MONTHLY EC COMPLIANCE REPORT

b) Air		TPD	mg/Nm ³	
Sulphur Furnace	SPM	0.0052	47.80	...
	SOx	0.0026	24.000	...
	NOx	0.0016	14.80	...
	Cl ₂	BDL	0.867	...
	HCl	BDL	1.733	...
	CO	0.0015	14.000	...
Vent Incinerator	SPM	0.0065	35.27	...
	SOx	0.0088	47.455	...
	NOx	0.0048	26.18	...
	Cl ₂	BDL	0.91	...
	HCl	BDL	2.04	...
	CO	0.0031	16.818	...
Boiler	SPM	0.047	55.45 mg/nm ³	...
	SOx	0.013	15.09 ppm	...
	NOx	0.019	22.18 ppm	...

PART-D

Hazardous Wastes

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

Hazardous wastes		Total Quantity (kg)	
		During the previous financial year 2020-2021	During the current financial year 2021-2022
a) From Process			
Category	Type of Waste		
	(1) Recovered Sulphur	11615	0
	(2) Used Oil	950	0
	(3) Evaporation Salt	0	0
	(4) Non Recyclable Plastic & Insulation Waste	26015	42600
	(5) Incineration Waste	314425	81625
	& Co Processing	206430	3017970
	(6) Asbestos Sheet	6860	0
b) From Pollution Control facilities			
	ETP Sludge	1147975	514230
By products	Sodium Hydro sulfide 30%	2748190	2766860
	Hydrochloric Acid 30%	3564520	3483360
	Phosphoric Acid	566165	606655
	Sodium Bisulphite Powder	1165560	383600
	Sodium Sulphite 30%	0	68050
	Sodium Bisulphite Solution (30%)	3501685	1084135

PART -E

Solid Wastes

	Total Quantity in Kgs	
	During the previous financial year 2020-2021	During the current financial year 2021-2022
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	92950	94915
3) Disposed	Nil	Nil

SIX MONTHLY EC COMPLIANCE REPORT

PART - F

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

KINDLY REFER ANNEXURE-2

PART - G

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

- (1) Use of Non- Conventional Energy - Solar and wind Power from supplier is continued and agreement is made to have Sustainable
- (2) 4Rthion project has been implemented to conserve natural resources and reduce cost of production
- (3) Use of Briquette as fuel is continued and prioritize its consumption with respect to Natural Gas
- (4) Recycling of steam condensate is being done , which had reduced water consumption

PART - H

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

ZLD Plant is installed and the treated water is recycled back in cooling - boiler and process

PART - I

Any other particulars for improving the quality of the environment.

- (1) Zero liquid discharge (ZLD) have been implemented by installing R.O Plant, MEE Plant & ATFD Plant
- (2) Sewage Treatment plant is installed to treat the domestic water separately
- (3) World Environment DaY was celebrated on 5th June and tree plant was done inside the premises

Date: 5-Sep-22

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

Name: Anil N Shah

Designation: Factory Manager

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

SIX MONTHLY EC COMPLIANCE REPORT

ANNEXURE -I

PRODUCTION CAPACITY (MT / YEAR)

Sr. No.	Products	Total Capacity (MT/Annum)
1	Phosphorus Trichloride (PCl ₃)	1000
2	Trimethyl Phosphite (TMP) or Triethyl Phosphite (TEP)	100
3	Diethyl Thio Phosphoryl Chloride (DETPC)/DETA/NaDETA	5330
4	Cyhalothrin Acid	250
5	Phosphorus Penta Sulphide (P ₂ S ₅)	3400
6	Fluindapyr (F 9990)	150
7	Bixlozone (F9600)	960
8	Acid based products [2-bromobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium (H), Pyriothiac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)]etc.	150
9	Amide group based products [Fenitrothion (F), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide (F), Flufenacet (H), 2 Aminosulfonyl - N-N- Dimethylnicotinamide (SNA) (int), 2-(Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (int)] etc.	150
10	Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Armitraz (I), Indoxacarb (I), Clofentezine (I), 2 Methoxy -4-Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (int)] etc.	300
11	Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricyclazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tebuconazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener Isoxadifen ethyl (int), Imidacloprid (I), 2, 6 DiChloroBenzoxazolone (int), Penoxasulam (H)] etc.	200
12	Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Methyl (F)] etc.	500
13	Ester group based products [Fenoxaprop-p-Et (H), Clodinafop-Pr (H), Quizalofop-p-ethyl (H), Quinzofofop-terfuryl (H), Cyhalofop (H), Isoprothiolane (F), Alphamethrin (I), Lambda Cyhalothrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (int)] etc.	300
14	Ether group based products [Propargite (I), oxyfluorfen (H), S-Cyano MPB (int), 2 Ethoxy Ethyl Amine (int)] etc.	200
15	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxaflutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (int)] etc.	1200
16	Phosphate group based product [Chlorpyrifos (I) or its intermediate Na-TCP (int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)] etc.	5000
17	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocet Methyl (H), Acetamiprid (I), 4,6-DiChloro Pyridine (int)], Azoxystrobin (F) etc.	250
18	Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I), Spiromesifen (I), Azimsulfuron (H) , Sulfonyl Ureas (H)] etc.	100
19	Phenol group based product [2-Cyanophenol (int), 4- Fluoro-3 trilluromethyl phenole (int)] etc.	75

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SIX MONTHLY EC COMPLIANCE REPORT

ANNEXURE -2

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CHARACTERISATION OF HAZARDOUS WASTE

SR. NO.	NAME	PHYSICAL FORM	WASTE CATEGORY No.	SP. GR.	% SOLIDS	CHEMICAL COMPOSITION	METHOD OF DISPOSAL
1	ETP SLUDGE	Solid	34.3	-----	85	CrO - 55 % P2O5 - 15 % SiO2 - 5 % Water - 15 % Other CaSalts - 10 %	Disposal to Common TSDF facility of M/s. BEIL, Ankleshwar & M/s. SEPL.
2	RECOVERED SULFUR	Solid	D-1	-----	---	Recovered Sulfur CAS No. 7704-349	Disposal to Common TSDF facility of M/s. BEIL, Ankleshwar
3	USED OIL	Liquid	5.1	0.94	---	Not Applicable	Dispose by Selling to registered Collection, Storage, and Transportation Reprocessors.
4	DISCARDED CONTAINERS, BAGS/ LINERS	Solid	33.3	-----	-----	M.S.,PVC, HDPE.	Discarded containers sale to Authorised Decontamination Facility. Bags/Liners disposed to Common TSDF facility of M/s. BEIL, SEPL & SEPPIL.
5	PROCESS WASTE / RESIDUE	Liquid / Residue	29.1	-----	-----	Mostly Organic compound	Stored In Drums and kept at dedicated area and disposed to common Incineration Facility developed by BEIL - Ankleshwar / SEPPIL Send for coprocessing / preprocessing to RSPL / Eco waste
6	SOLID WASTE (EVAPORATION SALT)	Solid	29.1	-----	-----	Mostly In-Organic compound	Disposal to Common TSDF facility of M/s. BEIL, Ankleshwar & M/s. SEPL.
7	Sodium Hydro sulfide 30%	Liquid	---	-----	-----	Nash -30%	Sold to Authorized End users
8	Hydrochloric Acid 30%	Liquid	B-15	-----	-----	HCL -30%	Sold to Authorized End users
9	Phosphoric Acid	Liquid	B-15	-----	-----	Phosphoric Acid-68 %	Sold to Authorized End users
10	Sodium Bisulphite Powder	Powder	B-23	-----	-----	SBS Powder	Sold to Authorized End users
11	Sodium Sulphite 30%	Liquid	B-15	-----	-----	SS -30 %	Sold to Authorized End users
12	Sodium Bisulphite Solution (30%)	Liquid	B-23	-----	-----	SBS Sol. 30 %	Sold to Authorized End users

