SIX MONTHLY

EC COMPLIANCE REPORT

(December 2021 to May 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 – 332 010

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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: 01.12.2021 to 31.05.2022

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: 31st December 2019
4	Location		
	a]. District (s)	:	Bharuch
	b]. State (s)	:	Gujarat
	c]. Latitude / Longitude	:	21°32'50.49"N/ 72°59'52.28"E
5	Address for Correspondence	:	Plot No. (27+28)/A, Notified GIDC Industrial Estate, Panoli, Dist. Bharuch 394 116, State-Gujarat, India.
	a]. Address of Concerned Project Chief Engineer With Pin code & Telephone / Telex / Fax Numbers.	:	Mr. Anil N Shah 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-	Product name attached in Annexure-1
Total Power Requirement	3500 KVA
Source of Power	DGVCL
Fresh Water requirement	764 KL/day
Source of Water Supply	GIDC water supply
Wastewater Generation	Industrial : 833 KL/day Domestic : 45 KL/day
Process Emissions	HCl, NH_3, Cl_2, SO_2,NO_x, H_2S, CO, HC, PM
Flue Gas Emission	PM, SO_2, NOx
Fuel Type	Natural gas or Furnace oil, HSD, Briquettes/ Bagasse/ Groundnut shell
Fuel Requirement	Natural Gas- 10800 Nm^3/h, HSD- 90 L/h, Briquettes/ Bagasse/ Groundnut shell - Briquettes 5186 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) 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	)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) 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.	)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. It is ensured that the treated effluent meets specified norms of as specified in CC&A of GPCB.)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) Proper storage and handling arrangements in compliance to the conditions of authorization granted by SPCB.	)Appropriate storage and handling arrangements for all the hazardous waste are provided as per the conditions specified in the authorization granted by GPCB.

Proper signboards to be provided at relevant places.	Signboards are 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.	Unit is following all the applicable regulatory procedures as per the amended Hazardous Waste Management & Handling Rules – 2016.
The transportation of hazardous waste to the TSDF Site to be as per the guidelines and accompanied with Form-9.	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 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.	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 -2020-2021) is attached as Annexure-4.

7	Production details during compliance period and (or) during the previous financial year		Production Details Month – Quantity (MTM) December 2021 – 594.450 January 2022 – 488.330 February 2022 – 516.900 March 2022 – 606.000 April 2022 – 451.445 May 2022 – 384.970
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

Sr.No.	Particulars	Recurring Cost Per Annum [Rs. In lakh]	Capital Cost (Rs. In lakh)
1	Air Pollution Control	683	600
2	Water Pollution Control	1366	1200
3	Noise Pollution Control	5	3
4	Environment Monitoring & Management	153	90
5	Occupational Health & Safety	50	12
6	Green Belt development & maintenance	20	5.0

		7	Solid waste management	228	8290
			TOTAL Planned	2505	10200

	c]. Benefit cost ratio / Internal rate of return and the year of assessment	:	Not applicable
	d]. Whether (c) includes the cost of environmental management as shown in the above	:	Yes
	e]. Actual expenditure incurred on the project so far	:	2951 Lacs
	f] Actual expenditure incurred on the Environmental Management Plan so far		250 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	:	12-04-2022
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.

Annexure 1 - Compliance report of Environment Clearance

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status</th></tr>
<tr><td>2.</td><td>The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of pesticides and pesticide specific intermediates from 19705 TPA to 47681 TPA by M/s. Cheminova India Limited (Intermediate Division) in an area of 149163.17 sq. m. located at Plot Nos. (27+28)/A, GIDC Industrial Estate, Panoli, Taluka: Ankleshwar, District Bharuch (Gujarat).</td><td>Noted</td></tr>
<tr><td>3.</td><td>The details of products are as under:-
<table>
<tr><th rowspan="2">SN</th><th rowspan="2">Name of Product</th><th colspan="3">Quantity (MT/Annum)</th></tr>
<tr><th>Existing (TPA)</th><th>Proposed (TPA)</th><th>Total (TPA)</th></tr>
<tr><td>1.</td><td>Phosphorous Trichloride (PCL_3)/ Phosphoryl Chloride ($POCL_3$)</td><td>1000</td><td>--</td><td>1000</td></tr>
<tr><td>2.</td><td>Tri Methyl Phosphite(TMP) OR Tri Ethyl Phosphite(TEP)</td><td>100</td><td>--</td><td>100</td></tr>
<tr><td>3.</td><td>Diethyl Thio Phosphoryl Chloride (DETPC)/Sodium Salt Of Diethyl Thio Phosphoryl Chloride (Na-DETA)</td><td>5330</td><td>2670</td><td>8000</td></tr>
<tr><td>4.</td><td>Cyhalothrin Acid</td><td>250</td><td>--</td><td>250</td></tr>
<tr><td>5.</td><td>Phosphorous Penta Sulphide (P_2S_5)</td><td>3400</td><td>--</td><td>3400</td></tr>
<tr><td>6.</td><td>Acid Based Products [2-Bronobutyric Acid (INT),Ethyl 2-(4-Hydroxy Phenoxy) Propinoate (O- HPPA) (INT), Thiocyclam (I), Bispyribac-Sodium (H), Methoxy Amine Hydrochloride (INT), 2-Hydroxyphenyl Acetic Acid (HPPA) (INT), Amino Acid (INT)] etc.</td><td>150</td><td>--</td><td>150</td></tr>
<tr><td>7.</td><td>Amide Group Based Products [Pretilachlor (H), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I),Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide(F), Flufenacet (H), 2 Aminosulfonyl-N-N- Dimethylnicotinamide (SNA) (INT), 2- (Methoxycarbonyl) Thiophene Thiophene-3 Sulfonamide (MST) (INT)] etc.</td><td>150</td><td>--</td><td>150</td></tr>
<tr><td>8.</td><td>Aniline Group Bases Products [Pendirnethalin(H), Fluazinam (F), ,Metaiaxyi (F), Famoxadone (F)] etc.</td><td>1200</td><td>--</td><td>1200</td></tr>
<tr><td>9.</td><td>Azine group based products Fenpyroximate (I), Metribuzin (H), Pymetrozin (I), Arnitraz (I), Indoxacarb (I), Cofentezine (I), 2 Methoxy-4-Methyl-6-Methylamino-1,3,5-Triazine (MMMT) (INT) etc.</td><td>300</td><td>--</td><td>300</td></tr>
<tr><td>10.</td><td>Azole Group Based Products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safenerlsoxadifen Ethyl (Int), Irnidacloprid (I), 2, 6 Dichlorobenzoxazolone(Int), Penoxasulam(H)] etc.</td><td>200</td><td>--</td><td>200</td></tr>
<tr><td>11.</td><td>Carbamate Group Based Product [Thiodicarb(I), Propineb (F), Metiram (F), Thiram (F), Cartap Hydrochloride (I), Thiophanate Methyl (F)] etc.</td><td>500</td><td>--</td><td>500</td></tr>
<tr><td>12.</td><td>Ester group based products [Fenoxaprop-p-Et (H),Clodinafop-Pr(H),Quizolfop-p-ethyl</td><td>300</td><td>--</td><td>300</td></tr>
</table></td><td>Noted. Unit has been granted CCA Renewal & partial CC&A Amendment, Inward No. 203050 on dated 25-05-2022. Production data as per existing CTO is as below:
<table>
<tr><th colspan="2">Production Details for Compliance period: December 2021 to May 2022</th></tr>
<tr><th>Month</th><th>Quantity (MT/Month)</th></tr>
<tr><td>December 2021</td><td>594.450</td></tr>
<tr><td>January 2022</td><td>488.330</td></tr>
<tr><td>February 2022</td><td>516.900</td></tr>
<tr><td>March 2022</td><td>606.000</td></tr>
<tr><td>April 2022</td><td>451.445</td></tr>
<tr><td>May 2022</td><td>384.970</td></tr>
</table></td></tr>
</table>

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

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td>capital cost earmarked towards environmental pollution control measures is Rs 25.05 crores and the recurring cost (O&M) will be about Rs 102 crores per annum. The project will provide employment for 178 persons directly and 422 persons indirectly after expansion.</td><td></td></tr>
<tr><td>5.</td><td>There are no National parks, Wildlife sanctuaries, Biosphere, Reserves, Tiger/Elephant Reserves, and Wildlife Corridors etc. within 10 km from the project site. Ukai canal flows at a distance of 1.66 km in west direction.</td><td>Noted. Unit is located within Notified GIDC Industrial Estate, Panoli</td></tr>
<tr><td>6.</td><td>Total water requirement is estimated to be 1351 cum/day, which includes fresh water requirement of 764 cum/day, proposed to be met from GIDC supply.</td><td>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>December 2021</td><td>11832</td></tr>
<tr><td>January 2022</td><td>8662</td></tr>
<tr><td>February 2022</td><td>9139</td></tr>
<tr><td>March 2022</td><td>12619</td></tr>
<tr><td>April 2022</td><td>10732</td></tr>
<tr><td>May 2022</td><td>11929</td></tr>
</table></td></tr>
<tr><td></td><td>Effluent of 206 cum/day will be treated through Effluent Treatment Plant (ETP) having Primary, Secondary & Tertiary Treatments, & treated effluent of 181 cum/day is discharged into underground conveyance pipeline connected to Final Effluent Treatment Plant (FETP) of M/s. Narmada Clean Tech (NCT). It has been now proposed that after expansion, existing and proposed unit shall ensure zero liquid discharge and there will be no discharge of treated/untreated waste water from the unit.</td><td>Total waste water generation/ treatment in RO Plant is as below:
<table>
<tr><th>Month</th><th>Quantity (KL/Month)</th></tr>
<tr><td>December 2021</td><td>1657</td></tr>
<tr><td>January 2022</td><td>4036</td></tr>
<tr><td>February 2022</td><td>3522</td></tr>
<tr><td>March 2022</td><td>3284</td></tr>
<tr><td>April 2022</td><td>3221</td></tr>
<tr><td>May 2022</td><td>4389</td></tr>
</table></td></tr>
<tr><td></td><td>RO Plant</td><td>MEE Plant</td></tr>
</table>

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td>

</td><td></td></tr>
<tr><td></td><td>Power requirement after expansion will be 3500 KVA proposed to be met from M/s Dakshin Gujarat Vij Company Limited (DGVCL). Existing unit has one DG set of 1250 KVA. Two more DG sets of 1250 & 1500 KVA will be required under proposed expansion.</td><td>At present unit has obtained partial CTO Amendment. Hence Present power consumption is 2700 KVA. Unit shall comply with the given condition.
The details of total Power consumption met by M/s Dakshin Gujarat Vij Company Limited (DGVCL as below
<table>
<tr><th>Month</th><th>Power Consumption (Kwh)</th></tr>
<tr><td>December 2021</td><td>1080420</td></tr>
<tr><td>January 2022</td><td>962520</td></tr>
<tr><td>February 2022</td><td>789450</td></tr>
<tr><td>March 2022</td><td>1124280</td></tr>
<tr><td>April 2022</td><td>1016880</td></tr>
<tr><td>May 2022</td><td>1215090</td></tr>
</table></td></tr>
<tr><td></td><td>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.</td><td>Noted and complied</td></tr>
<tr><td>7.</td><td>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.</td><td>Noted and complied</td></tr>
<tr><td>8.</td><td>Standard terms of reference (ToR) for the project were granted on 23rdMarch, 2018. Public hearing is exempted in accordance</td><td>Noted.</td></tr>
</table>

Sr. No.	Conditions	Compliance Status
	with the Ministry's OM dated 27th April 2018, as the project site is located in the notified industrial area.	
9.	The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 8-9th April, 2019 and 26-28 June, 2019 in the Ministry, wherein the project proponent and their accredited consultant M/s. Siddhi Green Excellence Pvt. Ltd presented the EIA/EMP report complying with the terms and conditions of the ToR, and recommended the proposal for environmental clearance to the project with certain conditions.	Noted. 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 31st October 2019 and Ministry's communication dated 24th October 2019 regarding compliance of Hon'ble NGT order dated 19.8.2019 (published on 23.8.2019) in OA No. 1038/2018.	Noted.
11.	Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for Expansion of Pesticides and Pesticide Specific Intermediates from 19705 TPA to 47681 TPA by M/s. Cheminova India Limited (Intermediate Division) at Plot No.(27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat), under the provisions of the EIA Notification, 2006, read with subsequent amendments therein, subject to compliance of the terms and conditions as environmental safeguards, as under:-	Noted.
	(i) Consent to Establish/Operate (CTE/CTO) for the project shall be obtained from the State Pollution Control Board (SPCB) as required under the Air (Prevention and Control of Pollution)Act, 1981 and the water (Prevention and Control of Pollution) Act, 1974, and the SPCB shall follow the mechanism/protocol issued by the Ministry vide letter no. Q-16017/38/2018-CPA dated 24th October, 2019 and forwarded by Central Pollution Control Board vide letter dated 25th October, 2019 to the SPCB's while issuing the CTE/CTO for the project, for improvement of environmental quality in the area.	Consent to Establish was obtained via out ward No. 15866 dated 4th June 2020. Partial CTO Amendment was granted on 25-05-2022. Provisional 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 applied for partial CTO amendment & application was granted on 25-05-2022.
	(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 13thJune, 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	Noted & Complied.

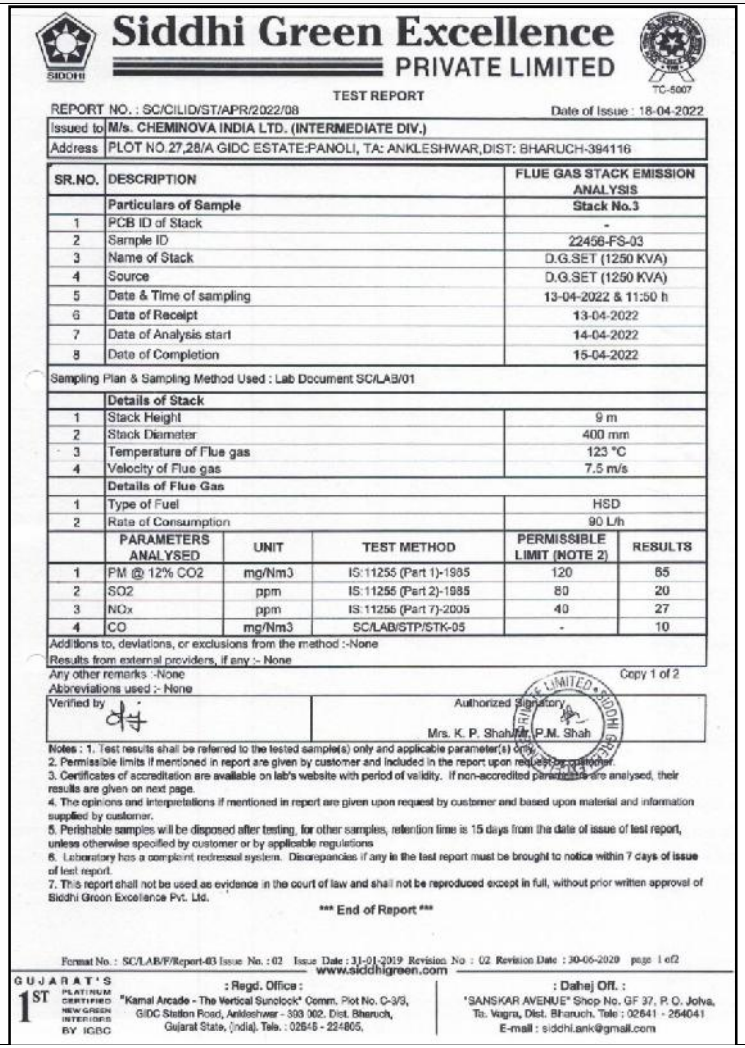
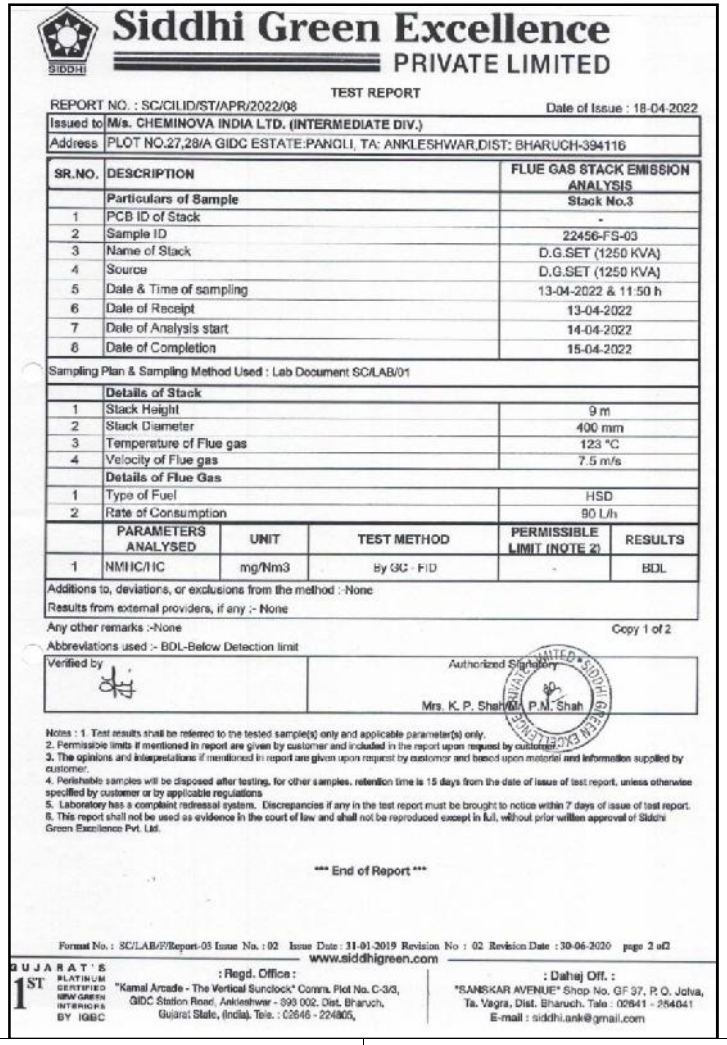
<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td>prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.</td><td></td></tr>
<tr><td></td><td>(vii) Solvent management shall 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.</td><td>All requirements shall be ensured, fulfilled and taken care during execution of project</td></tr>
<tr><td></td><td>(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.</td><td>Noted and Complied.</td></tr>
<tr><td></td><td>(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</td><td>Well structured storm water drainage network is already available at site.</td></tr>
<tr><td></td><td>(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.</td><td>Unit has provided flame arresters in tank farm and solvent transfer is done through pumps with mechanical seals.</td></tr>
<tr><td></td><td>(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.</td><td>Hazardous waste disposal details during the period December 2021 to May 2022 is as below:
<table>
<tr><th>Hazardous Waste Name</th><th>Disposal Quantity (MT)</th><th>Disposal mode</th></tr>
<tr><td>Process waste and res residue</td><td>2012.385</td><td>Co-Processing</td></tr>
<tr><td>ETP sludge</td><td>667.680</td><td>TSDF site</td></tr>
</table></td></tr>
<tr><td></td><td>(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.</td><td>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.</td></tr>
<tr><td></td><td>(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.</td><td>Unit shall follow the given condition.</td></tr>
</table>

Sr. No.	Conditions	Compliance Status
	(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.	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%.
	Greenbelt along the approach road Near car parking and admin building Near process plant Greenbelt near utility section	
	(xv) As committed, fund allocation for the Corporate Environment Responsibility (CER) shall be 5% of the total project cost. Item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Unit shall follow the given condition. Fund allocation for 2022 CER/CSR jobs for both Technical & Intermediate are as follow:) 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

Sr. No.	Conditions	Compliance Status
		village to encourage sports activities in young generation= 1.15 lakh = completed in June22 Total Fund Allocation In CER= 39.15 Lakh
	(xvi) Safety and visual reality training shall be provided to employees.	In house-training programs are conducted on monthly basis for SOPs and safety as per yearly plan. Details are as below:

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
		(2) Affected Person	Production, Environment, Utility, Quality Control (QC), Research & Development (R&D), Formulation -R&D, Boiler
4.	Elevated Work	Detailed Training	
		(1) Competent Person	
5.	Line Breaking and Equipment Opening	Detailed Training	
		(1) Equipment Owner	Production Department
		(2) Work Performing Group	Engineering Department
6.	HAM	Detailed	All Department and Contractor
7.	Security Standard	Detailed	All Department
8.	Hose Management Standard	Detailed Training	Production / Engineering
			Contractor
9.	Decommissioning	Detailed Training	Production, Engineering, Material, EHS, QC, HR Staff
10.	Lab Standard		

Sr. No.	Conditions			Compliance Status
		FMC Laboratory Minimum Safety Standards: MSDS	Detailed Training	QC and R&D Department
		Laboratory Minimum Safety Standards: Glassware Handling	Detailed Training	QC and R&D Department
		FMC Laboratory Minimum Safety Standards: Chemical Storage	Detailed Training	QC and R&D Department
		FMC Laboratory Minimum Safety Standards: Fume Hoods	Detailed Training	QC and R&D Department
	11.	Glove Use Standard	Detailed Training	All Department /visitors /contractors
	12.	PPE	Detailed Training	All Department /visitors /contractors
	13.	MOC	Detailed Training	All Department
	14.	Incident Management standard,	Detailed Training	All Department
		Effective Injury and		
		Illness Case		
		Management Guideline		
	15.	Process Safety Module	Detailed Training	Manufacturing / Engineering /
	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:

Sr. No.	Conditions	Compliance Status
		
	(xviii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	The possible arrangement had been made for protection of possible fire hazard during mfg. process and material handling, The Fire hydrant system and fire extinguisher is made available throughout the premises

Siddhi Green Excellence PRIVATE LIMITED

TEST REPORT

REPORT NO. : SC/CILID/ST/APR/2022/08 — Date of Issue : 18-04-2022

Issued to: M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)

Address: PLOT NO.27,28/A GIDC ESTATE:PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116

SR.NO.	DESCRIPTION	FLUE GAS STACK EMISSION ANALYSIS
	Particulars of Sample	**Stack No.3**
1	PCB ID of Stack	-
2	Sample ID	22456-FS-03
3	Name of Stack	D.G.SET (1250 KVA)
4	Source	D.G.SET (1250 KVA)
5	Date & Time of sampling	13-04-2022 & 11:50 h
6	Date of Receipt	13-04-2022
7	Date of Analysis start	14-04-2022
8	Date of Completion	15-04-2022
Sampling Plan & Sampling Method Used : Lab Document SC/LAB/01		
	Details of Stack	
1	Stack Height	9 m
2	Stack Diameter	400 mm
3	Temperature of Flue gas	123 °C
4	Velocity of Flue gas	7.5 m/s
	Details of Flue Gas	
1	Type of Fuel	HSD
2	Rate of Consumption	90 L/h

	PARAMETERS ANALYSED	UNIT	TEST METHOD	PERMISSIBLE LIMIT (NOTE 2)	RESULTS
1	PM @ 12% CO2	mg/Nm3	IS:11255 (Part 1)-1985	120	65
2	SO2	ppm	IS:11255 (Part 2)-1985	80	20
3	NOx	ppm	IS:11255 (Part 7)-2005	40	27
4	CO	mg/Nm3	SC/LAB/STP/STK-05	-	10

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

Results from external providers, if any :- None

Any other remarks :-None — Copy 1 of 2

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.
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.

*** End of Report ***

Format No. : SC/LAB/F/Report-03 Issue No. : 02 Issue Date : 31-01-2019 Revision No : 02 Revision Date : 30-06-2020 page 1 of2

www.siddhigreen.com

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

: Regd. Office : "Kamal Arcade - The Vertical Sunclock" Comm. Plot No. C-3/3, GIDC Station Road, Ankleshwar - 393 002. Dist. Bharuch, Gujarat State, (India). Tele. : 02646 - 224805.

: Dahej Off. : "SANSKAR AVENUE" Shop No. GF 37, P. O. Jolva, Ta. Vagra, Dist. Bharuch. Tele : 02641 - 254041 E-mail : siddhi.ank@gmail.com

Siddhi Green Excellence PRIVATE LIMITED

TEST REPORT

REPORT NO. : SC/CILID/ST/APR/2022/08 — Date of Issue : 18-04-2022

Issued to: M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)

Address: PLOT NO.27,28/A GIDC ESTATE:PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116

SR.NO.	DESCRIPTION	FLUE GAS STACK EMISSION ANALYSIS
	Particulars of Sample	**Stack No.3**
1	PCB ID of Stack	-
2	Sample ID	22456-FS-03
3	Name of Stack	D.G.SET (1250 KVA)
4	Source	D.G.SET (1250 KVA)
5	Date & Time of sampling	13-04-2022 & 11:50 h
6	Date of Receipt	13-04-2022
7	Date of Analysis start	14-04-2022
8	Date of Completion	15-04-2022
Sampling Plan & Sampling Method Used : Lab Document SC/LAB/01		
	Details of Stack	
1	Stack Height	9 m
2	Stack Diameter	400 mm
3	Temperature of Flue gas	123 °C
4	Velocity of Flue gas	7.5 m/s
	Details of Flue Gas	
1	Type of Fuel	HSD
2	Rate of Consumption	90 L/h

	PARAMETERS ANALYSED	UNIT	TEST METHOD	PERMISSIBLE LIMIT (NOTE 2)	RESULTS
1	NMHC/HC	mg/Nm3	By GC - FID	-	BDL

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

Results from external providers, if any :- None

Any other remarks :-None — Copy 1 of 2

Abbreviations used :- BDL-Below Detection limit

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.
3. The opinions and interpretations if mentioned in report are given upon request by customer and based upon material and information supplied by customer.
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*** End of Report ***

Format No. : SC/LAB/F/Report-03 Issue No. : 02 Issue Date : 31-01-2019 Revision No : 02 Revision Date : 30-06-2020 page 2 of2

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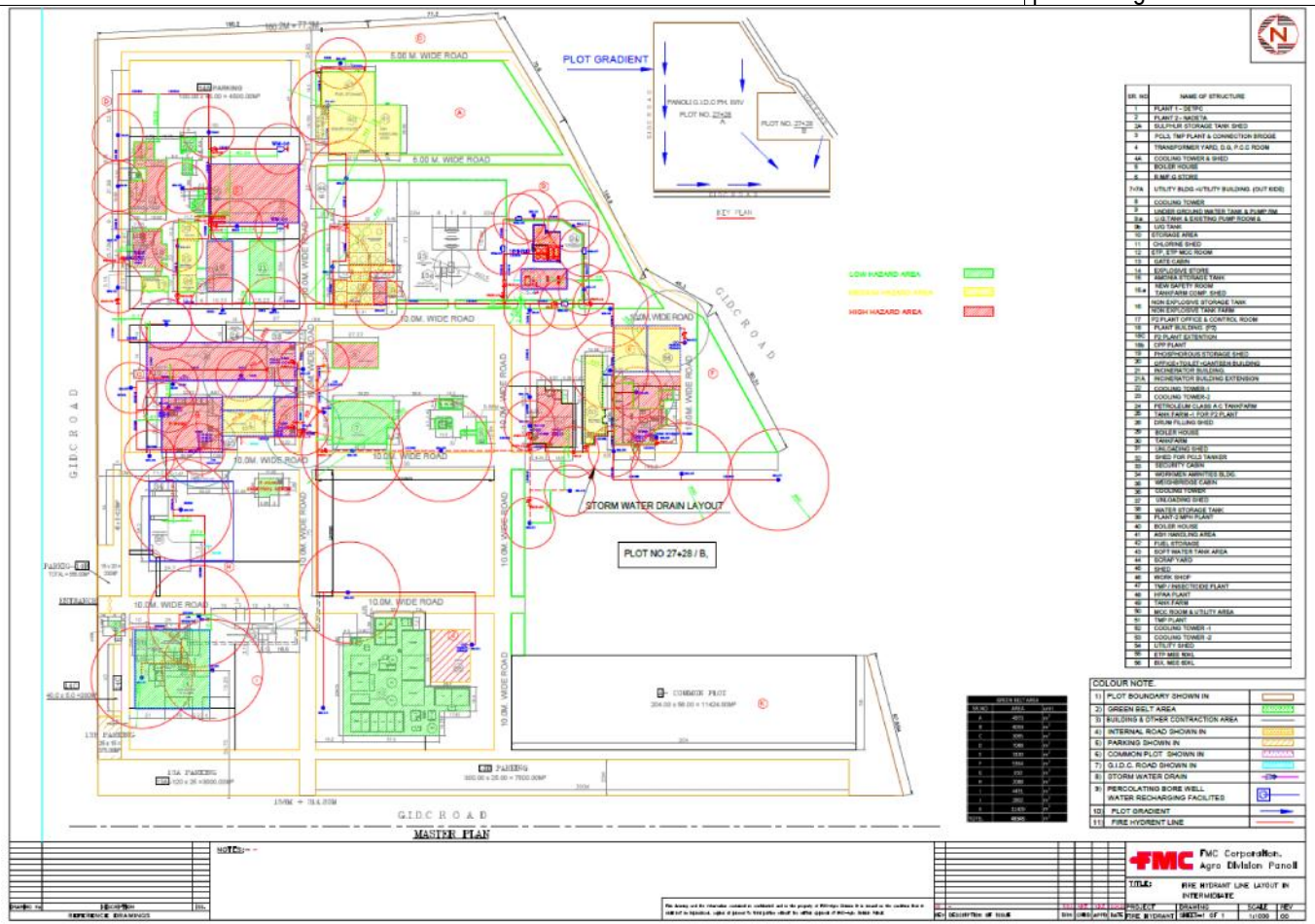
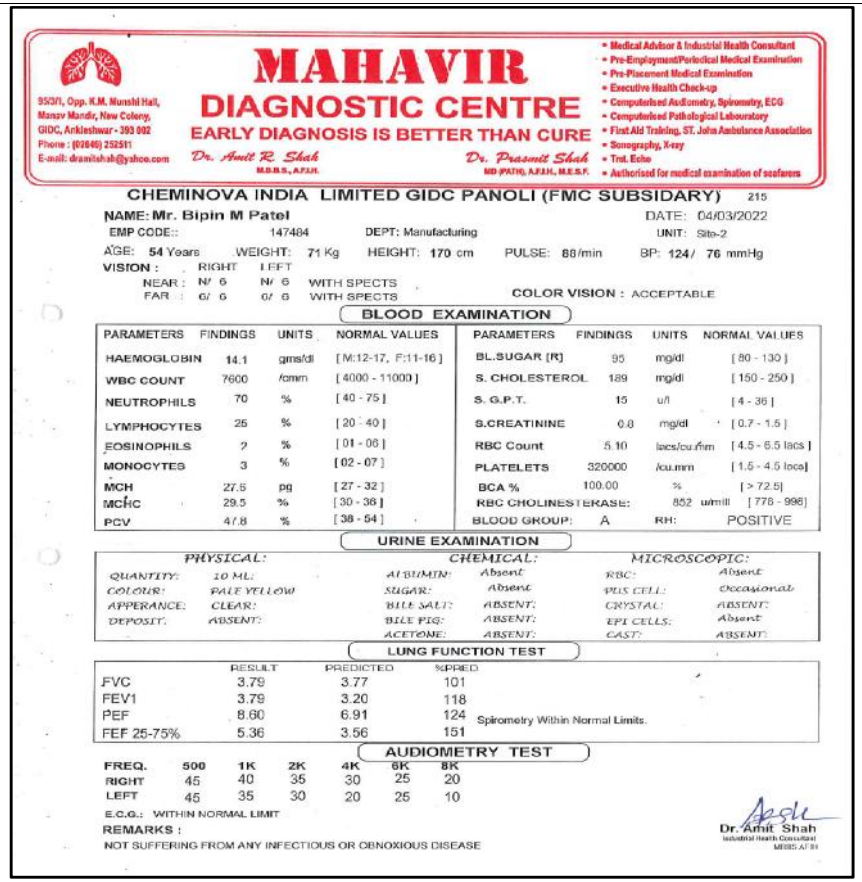
GUJARAT'S 1ST PLATINUM CERTIFIED NEW GREEN INTERIORS BY IGBC

: Regd. Office : "Kamal Arcade - The Vertical Sunclock" Comm. Plot No. C-3/3, GIDC Station Road, Ankleshwar - 393 002. Dist. Bharuch, Gujarat State, (India). Tele. : 02646 - 224805,

: Dahej Off. : "SANSKAR AVENUE" Shop No. GF 37, P. O. Jolva, Ta. Vagra, Dist. Bharuch. Tele : 02641 - 254041 E-mail : siddhi.ank@gmail.com

Sr. No.	Conditions	Compliance Status
		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 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

Sr. No.	Conditions	Compliance Status
		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:



MAHAVIR DIAGNOSTIC CENTRE
EARLY DIAGNOSIS IS BETTER THAN CURE

Dr. Amit R. Shah, M.B.B.S., A.F.I.H.
Dr. Prasmit Shah, MD (PATH), A.F.I.H., M.E.S.F.

CHEMINOVA INDIA LIMITED GIDC PANOLI (FMC SUBSIDARY) 215

NAME: Mr. Bipin M Patel — DATE: 04/03/2022
EMP CODE:: 147484 — DEPT: Manufacturing — UNIT: Site-2
AGE: 54 Years — WEIGHT: 71 Kg — HEIGHT: 170 cm — PULSE: 88/min — BP: 124/ 76 mmHg
VISION: RIGHT N/ 6 N/ 6 WITH SPECTS; LEFT N/ 6 N/ 6 WITH SPECTS
COLOR VISION: ACCEPTABLE

BLOOD EXAMINATION

PARAMETERS	FINDINGS	UNITS	NORMAL VALUES	PARAMETERS	FINDINGS	UNITS	NORMAL VALUES
HAEMOGLOBIN	14.1	gms/dl	[M:12-17, F:11-16]	BL.SUGAR [R]	95	mg/dl	[80 - 130]
WBC COUNT	7600	/cmm	[4000 - 11000]	S. CHOLESTEROL	189	mg/dl	[150 - 250]
NEUTROPHILS	70	%	[40 - 75]	S. G.P.T.	15	u/l	[4 - 36]
LYMPHOCYTES	25	%	[20 - 40]	S.CREATININE	0.8	mg/dl	[0.7 - 1.5]
EOSINOPHILS	2	%	[01 - 06]	RBC Count	5.10	lacs/cu.mm	[4.5 - 6.5 lacs]
MONOCYTES	3	%	[02 - 07]	PLATELETS	320000	/cu.mm	[1.5 - 4.5 lacs]
MCH	27.5	pg	[27 - 32]	BCA %	100.00	%	[> 72.5]
MCHC	29.5	%	[30 - 36]	RBC CHOLINESTERASE:	852	u/mill	[778 - 998]
PCV	47.8	%	[38 - 54]	BLOOD GROUP: A	RH:	POSITIVE	

URINE EXAMINATION

PHYSICAL:		CHEMICAL:		MICROSCOPIC:	
QUANTITY:	10 ML:	ALBUMIN:	Absent	RBC:	Absent
COLOUR:	PALE YELLOW	SUGAR:	Absent	PUS CELL:	Occasional
APPERANCE:	CLEAR:	BILE SALT:	ABSENT:	CRYSTAL:	ABSENT:
DEPOSIT:	ABSENT:	BILE PIG:	ABSENT:	EPI CELLS:	Absent
		ACETONE:	ABSENT:	CAST:	ABSENT:

LUNG FUNCTION TEST

	RESULT	PREDICTED	%PRED
FVC	3.79	3.77	101
FEV1	3.79	3.20	118
PEF	8.60	6.91	124
FEF 25-75%	5.36	3.56	151

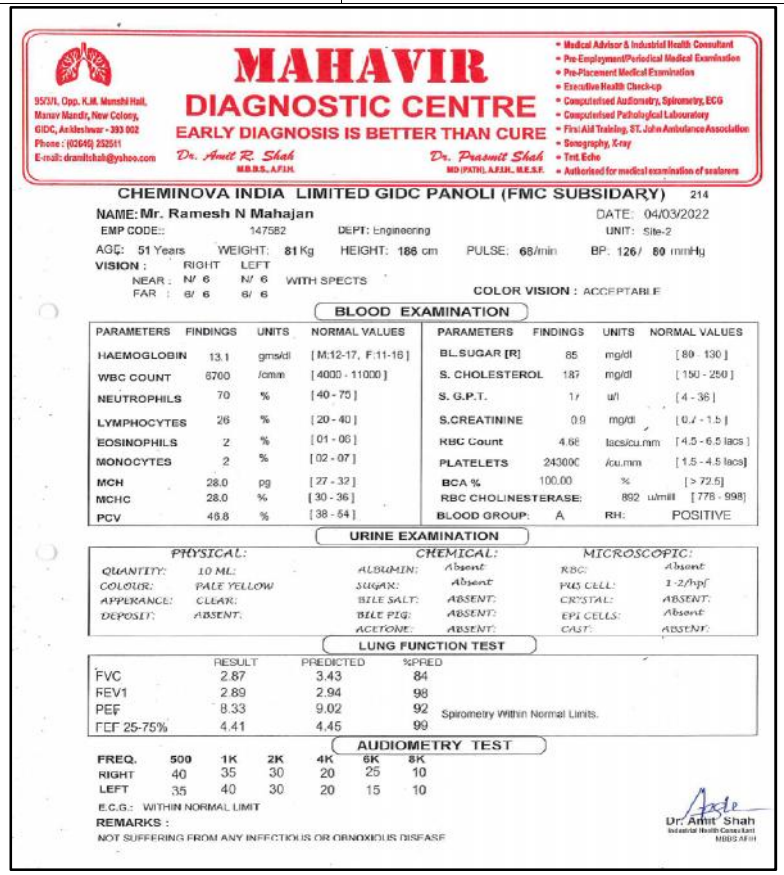
Spirometry Within Normal Limits.

AUDIOMETRY TEST

FREQ.	500	1K	2K	4K	6K	8K
RIGHT	45	40	35	30	25	20
LEFT	45	35	30	20	25	10

E.C.G.: WITHIN NORMAL LIMIT
REMARKS:
NOT SUFFERING FROM ANY INFECTIOUS OR OBNOXIOUS DISEASE

Dr. Amit Shah, Industrial Health Consultant, MBBS AFIH



MAHAVIR DIAGNOSTIC CENTRE
EARLY DIAGNOSIS IS BETTER THAN CURE

Dr. Amit R. Shah, M.B.B.S., A.F.I.H.
Dr. Prasmit Shah, MD (PATH), A.F.I.H., M.E.S.F.

CHEMINOVA INDIA LIMITED GIDC PANOLI (FMC SUBSIDARY) 214

NAME: Mr. Ramesh N Mahajan — DATE: 04/03/2022
EMP CODE:: 147582 — DEPT: Engineering — UNIT: Site-2
AGE: 51 Years — WEIGHT: 81 Kg — HEIGHT: 186 cm — PULSE: 68/min — BP: 126/ 80 mmHg
VISION: RIGHT N/ 6 N/ 6 WITH SPECTS; LEFT 6/ 6 6/ 6
COLOR VISION: ACCEPTABLE

BLOOD EXAMINATION

PARAMETERS	FINDINGS	UNITS	NORMAL VALUES	PARAMETERS	FINDINGS	UNITS	NORMAL VALUES
HAEMOGLOBIN	13.1	gms/dl	[M:12-17, F:11-16]	BL.SUGAR [R]	85	mg/dl	[80 - 130]
WBC COUNT	6700	/cmm	[4000 - 11000]	S. CHOLESTEROL	187	mg/dl	[150 - 250]
NEUTROPHILS	70	%	[40 - 75]	S. G.P.T.	17	u/l	[4 - 36]
LYMPHOCYTES	26	%	[20 - 40]	S.CREATININE	0.9	mg/dl	[0.7 - 1.5]
EOSINOPHILS	2	%	[01 - 06]	RBC Count	4.68	lacs/cu.mm	[4.5 - 6.5 lacs]
MONOCYTES	2	%	[02 - 07]	PLATELETS	243000	/cu.mm	[1.5 - 4.5 lacs]
MCH	28.0	pg	[27 - 32]	BCA %	100.00	%	[> 72.5]
MCHC	28.0	%	[30 - 36]	RBC CHOLINESTERASE:	892	u/mill	[778 - 998]
PCV	46.8	%	[38 - 54]	BLOOD GROUP: A	RH:	POSITIVE	

URINE EXAMINATION

PHYSICAL:		CHEMICAL:		MICROSCOPIC:	
QUANTITY:	10 ML:	ALBUMIN:	Absent	RBC:	Absent
COLOUR:	PALE YELLOW	SUGAR:	Absent	PUS CELL:	1-2/hpf
APPERANCE:	CLEAR:	BILE SALT:	ABSENT:	CRYSTAL:	ABSENT:
DEPOSIT:	ABSENT:	BILE PIG:	ABSENT:	EPI CELLS:	Absent
		ACETONE:	ABSENT:	CAST:	ABSENT:

LUNG FUNCTION TEST

	RESULT	PREDICTED	%PRED
FVC	2.87	3.43	84
FEV1	2.89	2.94	98
PEF	8.33	9.02	92
FEF 25-75%	4.41	4.45	99

Spirometry Within Normal Limits.

AUDIOMETRY TEST

FREQ.	500	1K	2K	4K	6K	8K
RIGHT	40	35	30	20	25	10
LEFT	35	40	30	20	15	10

E.C.G.: WITHIN NORMAL LIMIT
REMARKS:
NOT SUFFERING FROM ANY INFECTIOUS OR OBNOXIOUS DISEASE

Dr. Amit Shah, Industrial Health Consultant, MBBS AFIH

	(xx) Continuous online (24×7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge	CEMS Provided at Briquette based Boiler

Sr. No.	Conditions	Compliance Status
	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.	
	(xxi) Mitigation measures suggested during process safety and risk assessment studies shall be undertaken accordingly.	Noted.
11.1	The grant of environmental clearance is subject to compliance of other general conditions, as under:-	Noted
	(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:

Sr. No.	Conditions	Compliance Status

Siddhi Green Excellence PRIVATE LIMITED

TC-5007

TEST REPORT

REPORT NO. : SC/CILID/AAQM/APR/STATION-1/2022/34 Date of Issue : 02-05-2022

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

SR.NO.	DESCRIPTION	AMBIENT AIR QUALITY MONITORING
	Particulars of Sample	Station 1
1	Sample ID	22661-AQ-01
2	No. of samples	1
3	Date and time of start of sampling	28-04-2022 & 11:30 h
4	Date and time of completion of sampling	29-04-2022 & 11:30 h
5	Duration of Sampling in hrs.	24
6	Approx. ht. of sampling point in m	~ 3
7	Sampled by	Mr.Dilip
8	Date of Analysis	30-04-2022

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

	Details of Sampling Station	
1	Location	Nr. Main Gate area
2	Distance from plant site, Km	Inside Factory Premises
3	Predominant wind direction	SW-NE
4	Average wind speed, Kmph	8.8

	PARAMETERS ANALYSED	UNIT	TEST METHOD	PERMISSIBLE LIMIT (NOTE-2)	RESULTS
1.	PM_{10}	µg/m3	IS 5182(Part 23):2006	100	79
2.	$PM_{2.5}$	µg/m3	IS 5182(Part 24):2019	60	23
3.	SO_x	µg/m3	IS 5182(Part 2):2001	80	18
4.	NOx	µg/m3	IS 5182(Part 6): 2006	80	31

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

Copy 2 of 2

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.
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.
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*** End of Report ***
Page 1 of 1

Format No. : SC/LAB/F/Report-05 Issue No. : 02 Issue Date : 31-01-2019 Revision No : 03 Revision Date : 09-04-2022

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

: Regd. Office : "Kamal Arcade - The Vertical Sunclock" Comm. Plot No. C-3/3, GIDC Station Road, Ankleshwar - 393 002. Dist. Bharuch, Gujarat State, (India). Tele. : 02646 - 224805, 223805
E-mail : siddhi.ank@gmail.com

: Dahej Off. : "SANSKAR AVENUE" Shop No. GF 37, P.O. Jolva, Ta. Vagra, Dist. Bharuch. Tele : 02641 - 254041

Siddhi Green Excellence PRIVATE LIMITED

TC-5007

TEST REPORT

REPORT NO. : SC/CILID/ST/MAY/2022/01 Date of Issue :09-05-2022

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

SR.NO.	DESCRIPTION	FLUE GAS STACK EMISSION ANALYSIS
	Particulars of Sample	Stack No.1
1	PCB ID of Stack	60699
2	Sample ID	22722-FS-01
3	Name of Stack	BOILER
4	Source	BOILER(18 TPH)
5	Date & Time of sampling	03-05-2022 & 11:25 h
6	Date of Receipt	03-05-2022
7	Date of Analysis start	04-05-2022
8	Date of Completion	05-05-2022

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

	Details of Stack	
1	Stack Height	40 m
2	Stack Diameter	850 mm
3	Temperature of Flue gas	160°C
4	Velocity of Flue gas	7.7 m/s
	Details of Flue Gas	
1	Type of Fuel	Briquette
2	Rate of Consumption	2970 kg/h

	PARAMETERS ANALYSED	UNIT	TEST METHOD	PERMISSIBLE LIMIT (NOTE 2)	RESULTS
1	PM @ 12% CO_2	mg/Nm3	IS 11255 (Part 1):1985	120	62
2	SO_2	ppm	IS 11255 (Part 2):1985	80	22
3	NOx	ppm	IS 11255 (Part 7):2005	40	25

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

Copy 1 of 2

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

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Page 1 of 1

Format No. : SC/LAB/F/Report-03 Issue No. : 02 Issue Date : 31-01-2019 Revision No : 03 Revision Date : 09-04-2022

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

: Regd. Office : "Kamal Arcade - The Vertical Sunclock" Comm. Plot No. C-3/3, GIDC Station Road, Ankleshwar - 393 002. Dist. Bharuch, Gujarat State, (India). Tele. : 02646 - 224805, 223805
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: Dahej Off. : "SANSKAR AVENUE" Shop No. GF 37, P.O. Jolva, Ta. Vagra, Dist. Bharuch. Tele : 02641 - 254041

Sr. No.	Conditions	Compliance Status
	(iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No. 826(E) Dated 16th November,2009 shall be followed.	Unit follows The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No. 826(E) Dated 16th November,2009
	(v) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Noise level measurement is carried out by GPCB recognized Schedule I Environment Auditor- Quarterly & by Third party recognized laboratory-Monthly Reports by Third-Party recognized lab is attached for reference

Siddhi Green Excellence PRIVATE LIMITED

TEST REPORT OF AMBIENT NOISE MEASUREMENT

REPORT NO. : SC/CILID/NL/MAY/2022/05 — Date of Issue : 09-05-2022

Issued to	M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)		
Address	PLOT NO.27,28/A GIDC ESTATE:PANOLI, TA: ANKLESHWAR,DIST: BHARUCH-394116		
Site (where measured)	same as above	Sample ID	22722
Date of Monitoring	03-05-2022	Measured By	Mr. Ronil
Instrument used	HTC make Noise Level Meter (Model No. SL-1352)	Instrument ID	SC-NM-3
Frequency Weighing	A	Time Weighing	FAST
Procedure : As per Work Instruction of Instrument and as per IS-9989:1981, windcover used during measurement.			
Environmental Conditions:		Season	Summer

DAYTIME READINGS (6 AM TO 10 PM)			NIGHT TIME READINGS (10 PM TO 6 AM)		
Time and Duration of Monitoring	12:30 to 13:30 h		Time and Duration of Monitoring	22:40 to 23:40 h	
Average Ambient Temperature, °C	Average Wind speed, m/s	Predominant Wind direction	Average Ambient Temperature, °C	Average Wind speed, m/s	Predominant Wind direction
38	3.4	SW-NE	31	2.8	SW-NE

SR.NO.	LOCATION	READING NO.	NOISE LEVEL dB(A) DAY TIME	READING NO.	NOISE LEVEL dB(A) NIGHT TIME
1	Near Main Gate	NL-01	61	NL-11	59
2	Near ETP Area	NL-02	71	NL-12	61
3	Near SBS Plant	NL-03	68	NL-13	58
4	Near Boiler	NL-04	70	NL-14	60
5	Near Admin area	NL-05	62	NL-15	55
6	Near DG set	NL-06	63	NL-16	53
7	Near Chlorine yard	NL-07	69	NL-17	66
8	Near P6 Plant	NL-08	70	NL-18	62
9	Near P1 Plant	NL-09	72	NL-19	65
10	Near P2 Plant	NL-10	71	NL-20	67

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

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

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

Results from external providers, if any :-None

Any other remarks :- None — COPY 1 OF 2

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

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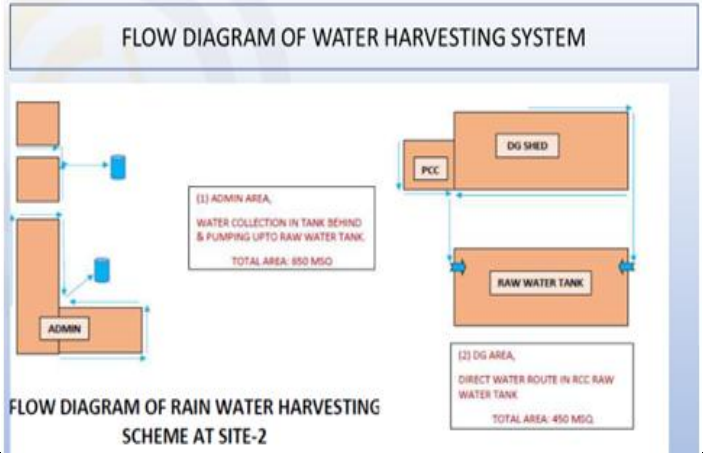
GUJARAT'S 1ST PLATINUM CERTIFIED NEW GREEN INTERIORS BY IGBC

: Regd. Office : "Kamal Arcade - The Vertical Bunglock" Comm. Plot No. C-5/3, GIDC Station Road, Ankleshwar - 393 002. Dist. Bharuch, Gujarat State, (India). Tele : 02646 - 224805, 223805 E-mail : siddhi.ank@gmail.com

: Dahej Off. : "SANSKAR AVENUE" Shop No. GF 37, P.O. Jolva, Ta. Vagra, Dist. Bharuch. Tele : 02641 - 254041

	(vi) The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	The rain water harvesting work as a roof rain water harvest program inside premises @ 1100 sq. m. roof of

Sr. No.	Conditions	Compliance Status
		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.



Rain water Harvesting Details

Intermediate Division	
Month	Rainwater (KL)
Jun-21	91
Jul-21	82
Aug-21	140
Sep-21	123
Oct-21	35
Nov-21	0
	471

	(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Unit complies with the given condition. Regular training is imparted to all employees.
	(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/	Unit commits that funds earmarked for environment management/ pollution control measures shall not be diverted for any other purpose

Sr. No.	Conditions	Compliance Status
	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 ECand 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 31st march in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Unit is complying with the given condition. Form-V is regularly submitted to SPCB for each financial year. 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 data of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied. EC advertisement in two local newspapers in the vernacular language of the locality concerned has been done. Newspaper cutouts of the same are attached below:
	PUBLIC NOTICE **ENVIRONMENTAL CLEARANCE** It is hereby informed that the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan,Jorbagh Road, New Delhi, has accorded Environmental Clearance for proposed expansion in existing premises for Pesticidies and Pesticide Specific Intermediates manufacturing unit of **M/s.Cheminova India Limited (Intermediate Division)** at Plot no. (27+28)/A Notified GIDC Industrial Estate, Panoli-394 116, Ta: Ankleshwar, Dist.Bharuch, State: Gujarat,Vide letter **dated 31/12/2019** [F.NO **IA-J-11011/53/2018-IA-II(I)**] under the provision of EIA Notification dated 14th September 2006. Copies of Clearance Letter are available on Website of MoEF&CC (PARIVESH)- http://moef.nic.in **Dated 09/01/2020** **Authorized Signatory–SD-**	જાહેર સૂચના / પર્યાવરણીય મંજૂરી આ સાથે જણાવવામાં આવે છે કે મિનિસ્ટ્રી ઓફ એન્વાયરમેન્ટ, ફોરેસ્ટ અને ક્લાઈમેન્ટ ચેન્જ દ્વારા મે. ચેમિનોવા ઈન્ડિયા લિમિટેડ (ઈન્ટરમીડિયેટ ડિવિઝન) પ્લોટ નંબર (૨૭+૨૮)/A, નોટીફાઈડ જી.આઈ.ડી.સી. ઈન્ડસ્ટ્રીયલ એસ્ટેટ, પાનોલી-૩૯૪ ૧૧૬, તાલુકાઃ અંકલેશ્વર, ડિસ્ટ્રિક્ટ. ભરૂચ, સ્ટેટઃગુજરાત ખાતેના હાલના એકમ પર સૂચિત પેસ્ટીસાઈડ્સ તથા તેના પેસ્ટીસાઈડ સ્પેસિફિક ઈન્ટરમીડિયેટ્સ ના વિસ્તરણ માટેની પર્યાવરણીય મંજૂરી ડિસેમ્બર, ૩૧, ૨૦૧૯ ના પત્ર દ્વારા [ફાઈલ ક્રમાંક IA-J-11011/53/2018-IA-II(I)] ઈ.આઈ.એ. નોટિફીકેશન તારીખ ૧૪ સપ્ટેમ્બર ૨૦૦૬ની જોગવાઈ હેઠળ આપેલ છે. પર્યાવરણીય મંજૂરીના પત્રની નકલ MoEF&CC (PARIVESH) ની વેબસાઈટ (http://moef.nic.in) ઉપર ઉપલબ્ધ છે. તારીખઃ ૦૮/૦૧/૨૦૨૦ સહીઃ--	
	(xvi) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted.

Sr. No.	Conditions	Compliance Status
12.	The ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted and agreed.
13.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
14.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
15.	The above conditions will be enforced, inter alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted.
16.	This issue with approval of the competent authority.	Noted.

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

Note: Unit has obtained Provisional CTO Renewal with Consent No. AWH-118890 Valid Upto 04-03-2027 and granted on 23-05-2022 & Provisional Copy of Partial CTO Amendment Consent No. AWH-118963 Valid Upto 04-03-2027 and granted on 25-05-2022. Unit has obtained only Provisional Letter and outward Copy/ Hard copy is awaited.

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

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:

Sr. No.	Name of Product	Quantity (MT/Year)			
		Existing	Proposed	Total (After Change in Product Mix)	Remarks
1.	Phosphorus Trichloride (PCl_3)/ Phosphoryl chloride ($POCl_3$)	1000	--	1000	No Change
2.	Tri methyl Phosphite (TMP) or Tri ethyl Phosphite (TEP)	100	--	100	No Change
3.	Diethyl Thio Phosphoryl Chloride (DETPC) /Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA)	5330	--	5330	No Change
4.	Cyhalothrin Acid	250	--	250	No Change
5.	Phosphorus Penta Sulphide (P_2S_5)	3400	--	3400	No Change
6.	Fluindapyr (F9990)	--	+150	150	New Product
7.	Bixlozone (F9600)	--	+960	960	New Product
8.	Acid based products[2-brornobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int),Thiocyclam(I),Bispyribac-Sodium (H),Pyrithiobac-Sodium(H), Methoxy Amine Hydrochloride (int),2-hydroxyphenyl Acetic Acid (HPAA) (int),] etc.	150	--	150	No Change
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	No Change
10.	Aniline group Bases products [Pendirnethalin(H), Fluazinam (F),Metalaxyl(F), Famoxadone (F)] etc.	1200	-1200	--	Discontinue Product
11.	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	No Change

Production Details

Month	Quantity (MTM)
December 2021	594.450
January 2022	488.330
February 2022	516.900
March 2022	606.000
April 2022	451.445
May 2022	384.970

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								
Sr. No.	Consent Condition Requirement							Compliance Status
	12.	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),SafenerIsoxadifen ethyl (Int),Irnidacloprid(I), 2, 6 DiChloroBenzoxazolone(Int),Penoxasulam(H)] etc.	200	--	200	No Change		
	13.	Carbamate group based product [Thiodicarb(I), Propineb (F), Metiram (F), Thiram (F),Cartap hydrochloride (I), Thiophanate Methyl (F)] etc.	500	--	500	No Change		
	14.	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	No Change		
	15.	Ether group based products [Propargite(I), oxyfiuorfen(H), S- Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int),] etc.	200	--	200	No Change		
	16.	Ketone group based product [Mesotrione(H),Suctioned(H),Isoxanutole(H),Dimethomorph(F),Isobutyro phenone(IBP)(Int)] etc.	1200	--	1200	No Change		
	17.	Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int), Acephate (I),Monocrotophos(I) or its intermediates MCMMAA(Int.),Dimethoate (I),Profenofos(I),Ethephon (PGR)] etc.	5000	--	5000	No Change		
	18.	Pyridine group based product [Pyridalyl(I),Imazethapyr(H)CloquintocctMexyl(H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxvstrobin(F) etc	250	--	250	No Change		
	19.	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	No Change		
	20.	Phenol group based product[2- Cyanophenol (Int), 4- Fluro-3 trilluromethylphenole (Int)] etc.	75	--	75	No Change		
		Total	19705	-90	19615			
2	SPECIFIC CONDITIONS							
a.	Total production shall not exceed 19615 MT/Year in any case.							Complied

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		
Sr. No.	Consent Condition Requirement	Compliance Status
b.	There shall be no change in mode of disposal of wastewater.	Complied
c.	There shall be no change in fuel consumption, flue gas emission and process gas emission.	Complied
d.	There shall be no change in Hazardous waste quantity/category.	Complied
e.	Unit shall sell out their hazardous waste to authorized end-users that is having authorization with valid CCA and Rule 9 permission to receive this waste. Unit shall make MoU with such authorized end-users and submit MoU at time of application of CCA.	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.
f.	All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & there after it shall be disposed through other option.	Complied
g.	Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.	Spent solvent management guidelines are followed.
h.	There shall not be increase in pollution load due to proposed change in product mix.	Complied.
i.	There shall not be any change in plant building, equipments & machineries to manufacture the proposed new products after change in product mix.	No changes in plant building, equipment's & machineries done for manufacturing the proposed new products after change in product mix.
j.	In the case of submission of the false or misleading data, this CTE amendment will be forwarded immediately.	Noted.
k.	CCA is granted with a condition to comply guideline to be issued by Ministry of Environment, Forest and Climate Change in the matter of O.A.No. 1038/2018 and Hon. NGT order dated: 10/07/2019 and 23/08/2019.	Noted
l.	Mother Liquor 35 KLD shall be incinerated in common incinerator facility at BEIL or SEPPL or GSPL, Palsana OR send it for co-processing to cement industries.	Complied
m.	There shall be no change in water consumption, wastewater generation and their mode of disposal.	Noted.
n.	As per the submission, calcium chloride (30%): 1000 MT/Year, Ammonium Chloride Sol (16%): 15,300 MT/Year, Liq. Ammonia (20%): 3600 MT/Year is not produced since 2015 due to not manufacture TMP so whoever unit will manufacture TMP, unit shall obtain CCA Amendment for the same with all required document like MoU with enduser & Rule-9 permission of enduser.	Noted.
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-86147, issued vide letter no. GPCB/ANK/CCA-115(9)/ID-15016/415086, dated 16/06/2017 and further amended dated 31/08/2018 is amended and shall now be read as under. a) Domestic : 25 KL/Day (Existing 25 KLD + Proposed Nil) b) Industrial : 423 KL/Day(Existing 429 KLD - Proposed 6 KLD) c) Gardening : 25 KL/Day(Existing 25 KLD - Proposed Nil)	Complied. Water consumption is well within limits as per the condition. Water consumption details for period December 2021 to May 2022 is given below: Details of Water Consumption Month | KL/Month

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

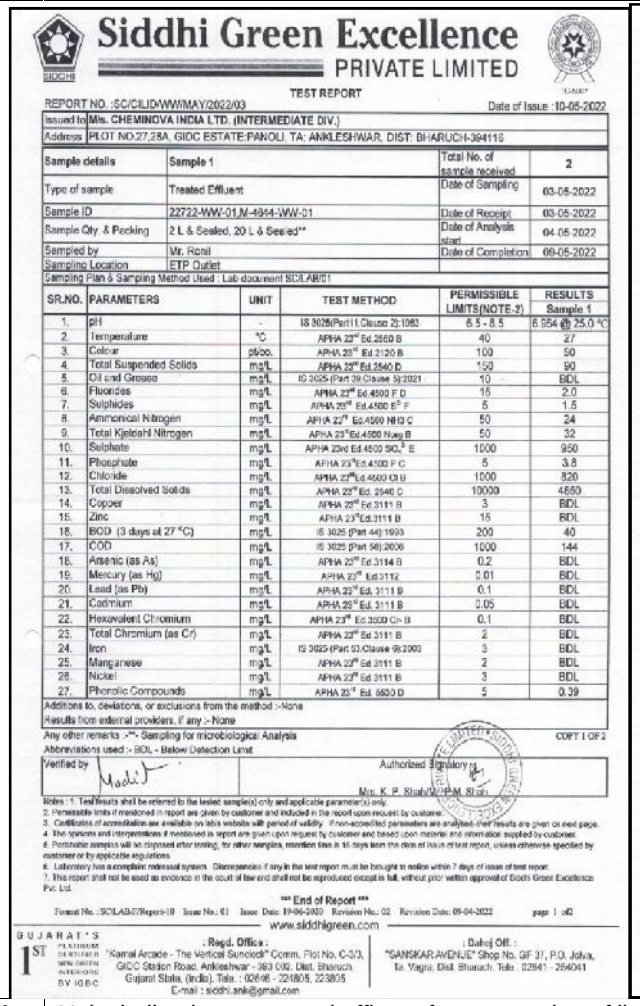
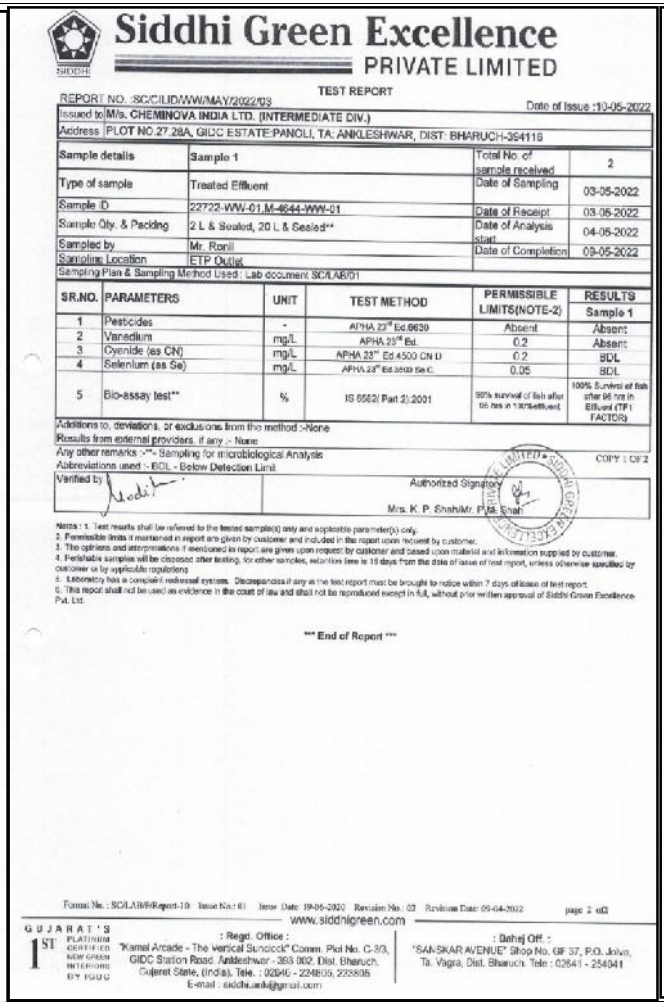
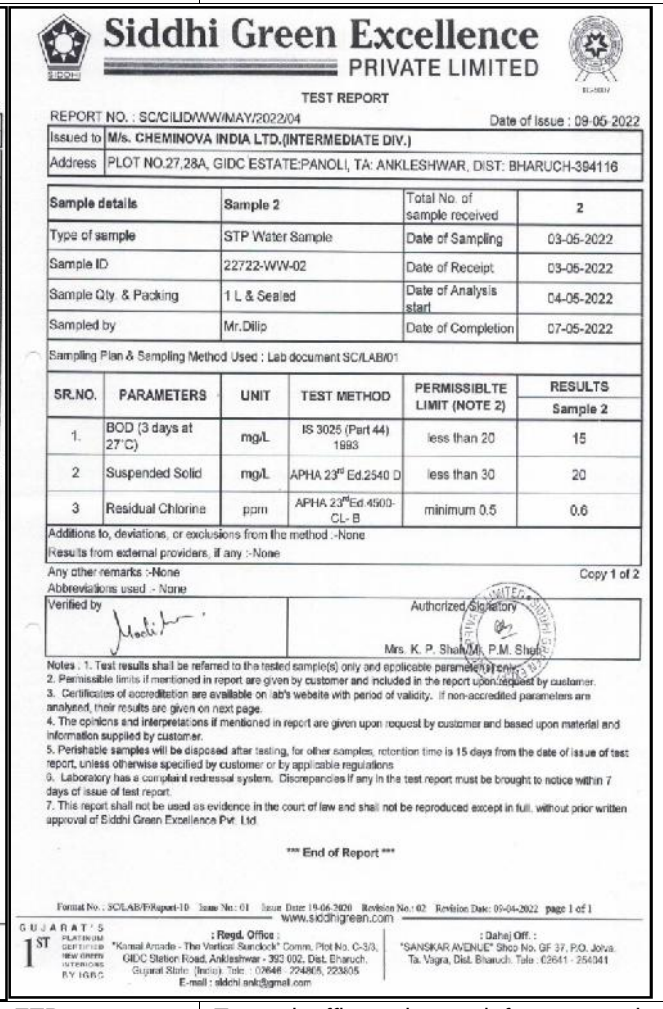
Sr. No.	Consent Condition Requirement	Compliance Status
	d) Total: 473 KL/Day (Existing 479 KLD - Proposed 6 KLD)	December 2021: 11832 January 2022: 8662 February 2022: 9139 March 2022: 12619 April 2022: 10732 May 2022: 11929
3.2	The condition No. 3.1 & 3.2 for wastewater Generation under Water Act of the CCA order No. AWH-86147, issued vide letter no. GPCB/ANK/CCA-115(9)/ID-15016/415086, and further amended dated 31/08/2018 is amended and shall now be read as under. a) Domestic : 25 KL/Day (Existing 25 KLD + Proposed Nil) b) Industrial : 176 KL/Day (Existing 181 KLD - Proposed 5 KLD) c) Total: 201 KL/Day (Existing 206 KLD - Proposed 5 KLD)	Up to 10th October 2021 treated effluent was discharged into underground conveyance pipeline connected to FETP of M/s. Narmada Clean Tech (NCT). On 13th October 22 application was submitted to NCT to discontinue Effluent Disposal. On 30th October 2021, NCT Representative disconnected the flow meter, removed the Data Recorder and sealed Effluent Discharge line. Now Zero liquid discharge is adopted by installing RO, MEE and ATFD Plant Total wastewater treated in R.O. Plant is as follow: Month / Quantity (KL/Month) December 2021: 1657 January 2022: 4036 February 2022: 3522 March 2022: 3284 April 2022: 3221 May 2022: 4389
3.3	176 KLD treated effluent shall be discharged to NCTL by underground drainage line and 25 KLD domestic sewage shall be disposed off through septic tank/soak pit system as per previous CCA conditions.	Up to10th October 2021 treated effluent was discharged into underground conveyance pipeline connected to FETP of M/s. Narmada Clean Tech (NCT). On 13th October application was submitted to NCT to discontinue Effluent Disposal. On 30th

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

<table>
<tr><th>Sr. No.</th><th>Consent Condition Requirement</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>October 2021, NCT Representative disconnected the flow meter, and removed the Data Recorder and sealed the Effluent Discharge line. Now unit is complete Zero Liquid Discharge Unit as per the EC Condition. Also unit has obtained CTO-Amd for the same.</td></tr>
<tr><td>3.4</td><td>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.
<table>
<tr><th>Sr. No.</th><th>Parameters</th><th>Permissible Limit</th></tr>
<tr><td>1</td><td>Biochemical Oxygen Demand, BOD_3, 27°C</td><td>Less than 20 mg/L</td></tr>
<tr><td>2</td><td>Total Suspended Solids</td><td>Less than 30 mg/L</td></tr>
<tr><td>3</td><td>Total Residual Chlorine</td><td>Minimum 0.5 ppm</td></tr>
</table>
Or Sewage shall be treated in ETP along with Industrial Effluent and discharged into GIDC underground drainage system and conveyed to FETP (NCTL).</td><td>Complied. Unit has provided STP (Capacity: 35 KLD) for treatment of sewage.</td></tr>
<tr><td>3.5</td><td>The quality of industrial effluent shall conform to the following standards (as per GPCB norms, whichever is applicable.
<table>
<tr><th>Sr. No.</th><th>PARAMETERS</th><th>PERMISSIBLE LIMIT</th></tr>
<tr><td>1</td><td>pH</td><td>6.5 to 8.5</td></tr>
<tr><td>2</td><td>Temperature</td><td>40°C</td></tr>
<tr><td>3</td><td>Colour (pt.co.scale)</td><td>100 units</td></tr>
<tr><td>4</td><td>Total Suspended solids (TSS)</td><td>150 mg/l</td></tr>
<tr><td>5</td><td>Total Dissolved Solids</td><td>10000 mg/l</td></tr>
<tr><td>6</td><td>Biochemical Oxygen Demand, BOD_3, 27°C</td><td>200 mg/l</td></tr>
<tr><td>7</td><td>Chemical Oxygen Demand (COD)</td><td>1000 mg/l</td></tr>
<tr><td>8</td><td>Oil and Grease</td><td>10 mg/l</td></tr>
<tr><td>9</td><td>Phenolic compounds (as C_6H_5OH)</td><td>5 mg/l</td></tr>
<tr><td>10</td><td>Sulphide (as S)</td><td>5 mg/l</td></tr>
<tr><td>11</td><td>Ammonical Nitrogen (As N)</td><td>50 mg/l</td></tr>
<tr><td>12</td><td>Total Kjeldahl Nitrogen (as N)</td><td>50 mg/l</td></tr>
<tr><td>13</td><td>Phosphate (as P)</td><td>5 mg/l</td></tr>
<tr><td>14</td><td>Chlorides (as Cl)</td><td>1000 mg/l</td></tr>
<tr><td>15</td><td>Sulphates (as SO_4)</td><td>1000 mg/l</td></tr>
</table></td><td>Complied. Photographs of waste water analysis reports for effluent and sewage of May 2022 is attached below:</td></tr>
</table>

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				
Sr. No.	Consent Condition Requirement			Compliance Status
	16	Cyanide (as CN)	0.2 mg/l	
	17	Flouride (as F)	15 mg/l	
	18	Hexavalent Chromium (as Cr +6)	0.1 mg/l	
	19	Total Chromium (as Cr)	2 mg/l	
	20	Copper (as Cu)	3 mg/l	
	21	Nickel (as Ni)	3 mg/l	
	22	Zinc (as Zn)	15 mg/l	
	23	Iron (as Fe)	3 mg/l	
	24	Manganese (as Mn)	2 mg/l	
	25	Mercury (as Hg)	0.01 mg/l	
	26	Lead (as Pb)	0.1 mg/l	
	27	Arsenic (as As)	0.2 mg/l	
	28	Venedium (as V)	0.2 mg/l	
	29	Cadmium (as Cd)	0.05 mg/l	
	30	Selenium (as Se)	0.05 mg/l	
	31	Bio-assay test	90 % survival of fish after 96 hrs in 100 % effluent	
	32	Insecticides/Pesticides	Absent	

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

Sr. No.	Consent Condition Requirement	Compliance Status
		
		
		
3.6	Unit shall only use treated effluent for preparation of lime and other slurry in ETP. No fresh water shall be utilized in ETP.	Treated effluent is used for preparation of lime solution in ETP.
3.7	In the case, if the Industry is not a member of CETP and domestic waste water generation is more than 10 KLPD, industry shall	Complied.

Siddhi Green Excellence PRIVATE LIMITED

TEST REPORT

REPORT NO. :SC/CILID/WW/MAY/2022/03 Date of Issue :10-05-2022

Issued to M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)

Address PLOT NO.27,28A, GIDC ESTATE:PANOLI, TA: ANKLESHWAR, DIST: BHARUCH-394116

Sample details	Sample 1	Total No. of sample received	2
Type of sample	Treated Effluent	Date of Sampling	03-05-2022
Sample ID	22722-WW-01,M-4644-WW-01	Date of Receipt	03-05-2022
Sample Qty. & Packing	2 L & Sealed, 20 L & Sealed**	Date of Analysis start	04-05-2022
Sampled by	Mr. Ronil	Date of Completion	09-05-2022
Sampling Location	ETP Outlet		

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

SR.NO.	PARAMETERS	UNIT	TEST METHOD	PERMISSIBLE LIMITS(NOTE-2)	RESULTS Sample 1
1.	pH	-	IS 3025(Part11,Clause 2):1983	6.5 - 8.5	6.954 @ 25.0 °C
2.	Temperature	°C	APHA 23rd Ed.2550 B	40	27
3.	Colour	pt/co.	APHA 23rd Ed 2120 B	100	50
4.	Total Suspended Solids	mg/L	APHA 23rd Ed.2540 D	150	90
5.	Oil and Grease	mg/L	IS 3025 (Part 39 Clause 5):2021	10	BDL
6.	Fluorides	mg/L	APHA 23rd Ed.4500 F D	15	2.0
7.	Sulphides	mg/L	APHA 23rd Ed.4500 S2- F	5	1.5
8.	Ammonical Nitrogen	mg/L	APHA 23rd Ed.4500 NH3 C	50	24
9.	Total Kjeldahl Nitrogen	mg/L	APHA 23rdEd.4500 Norg B	50	32
10.	Sulphate	mg/L	APHA 23rd Ed.4500 SO4 2- E	1000	950
11.	Phosphate	mg/L	APHA 23rdEd.4500 P C	5	3.8
12.	Chloride	mg/L	APHA 23rdEd.4500 Cl B	1000	820
13.	Total Dissolved Solids	mg/L	APHA 23rd Ed. 2540 C	10000	4650
14.	Copper	mg/L	APHA 23rd Ed.3111 B	3	BDL
15.	Zinc	mg/L	APHA 23rdEd.3111 B	15	BDL
16.	BOD (3 days at 27 °C)	mg/L	IS 3025 (Part 44):1993	200	40
17.	COD	mg/L	IS 3025 (Part 58):2006	1000	144
18.	Arsenic (as As)	mg/L	APHA 23rd Ed.3114 B	0.2	BDL
19.	Mercury (as Hg)	mg/L	APHA 23rd Ed.3112	0.01	BDL
20.	Lead (as Pb)	mg/L	APHA 23rd Ed. 3111 B	0.1	BDL
21.	Cadmium	mg/L	APHA 23rd Ed. 3111 B	0.05	BDL
22.	Hexavalent Chromium	mg/L	APHA 23rd Ed.3500 Cr B	0.1	BDL
23.	Total Chromium (as Cr)	mg/L	APHA 23rd Ed 3111 B	2	BDL
24.	Iron	mg/L	IS 3025 (Part 53,Clause 9):2003	3	BDL
25.	Manganese	mg/L	APHA 23rd Ed 3111 B	2	BDL
26.	Nickel	mg/L	APHA 23rd Ed 3111 B	3	BDL
27.	Phenolic Compounds	mg/L	APHA 23rd Ed. 5530 D	5	0.39

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

Results from external providers, if any :-None

Any other remarks :-**- Sampling for microbiological Analysis

Abbreviations used :- BDL - Below Detection Limit

COPY 1 OF 2

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

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Format No. : SC/LAB/F/Report-10 Issue No.: 01 Issue Date: 19-06-2020 Revision No.: 02 Revision Date: 09-04-2022 page 1 of2

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

: Regd. Office : "Kamal Arcade - The Vertical Sunclock" Comm. Plot No. C-3/3, GIDC Station Road, Anklesh'war - 393 002. Dist. Bharuch. Gujarat State, (India). Tele. : 02646 - 224805, 223805 E-mail : siddhi.ank@gmail.com

: Dahej Off. : "SANSKAR AVENUE" Shop No. GF 37, P.O. Jolva, Ta. Vagra, Dist. Bharuch. Tele : 02641 - 254041

Siddhi Green Excellence PRIVATE LIMITED

TEST REPORT

REPORT NO. :SC/CILID/WW/MAY/2022/03 Date of Issue :10-05-2022

Issued to M/s. CHEMINOVA INDIA LTD. (INTERMEDIATE DIV.)

Address PLOT NO.27,28A, GIDC ESTATE:PANOLI, TA: ANKLESHWAR, DIST: BHARUCH-394116

Sample details	Sample 1	Total No. of sample received	2
Type of sample	Treated Effluent	Date of Sampling	03-05-2022
Sample ID	22722-WW-01,M-4644-WW-01	Date of Receipt	03-05-2022
Sample Qty. & Packing	2 L & Sealed, 20 L & Sealed**	Date of Analysis start	04-05-2022
Sampled by	Mr. Ronil	Date of Completion	09-05-2022
Sampling Location	ETP Outlet		

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

SR.NO.	PARAMETERS	UNIT	TEST METHOD	PERMISSIBLE LIMITS(NOTE-2)	RESULTS Sample 1
1	Pesticides	-	APHA 23rd Ed.6630	Absent	Absent
2	Vanadium	mg/L	APHA 23rd Ed.	0.2	Absent
3	Cyanide (as CN)	mg/L	APHA 23rd Ed.4500 CN D	0.2	BDL
4	Selenium (as Se)	mg/L	APHA 23rd Ed.3500 Se C	0.05	BDL
5	Bio-assay test**	%	IS 6582(Part 2):2001	90% survival of fish after 96 hrs in 100%effluent	100% Survival of fish after 96 hrs in Effluent (TFI FACTOR)

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

Results from external providers, if any :- None

Any other remarks :-**- Sampling for microbiological Analysis

Abbreviations used :- BDL - Below Detection Limit

COPY 1 OF 2

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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Format No. : SC/LAB/F/Report-10 Issue No.: 01 Issue Date: 19-06-2020 Revision No.: 02 Revision Date: 09-04-2022 page 2 of2

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: Dahej Off. : "SANSKAR AVENUE" Shop No. GF 37, P.O. Jolva, Ta. Vagra, Dist. Bharuch. Tele : 02641 - 254041

Siddhi Green Excellence PRIVATE LIMITED

TEST REPORT

REPORT NO. : SC/CILID/WW/MAY/2022/04 Date of Issue : 09-05-2022

Issued to M/s. CHEMINOVA INDIA LTD.(INTERMEDIATE DIV.)

Address PLOT NO.27,28A, GIDC ESTATE:PANOLI, TA: ANKLESHWAR, DIST: BHARUCH-394116

Sample details	Sample 2	Total No. of sample received	2
Type of sample	STP Water Sample	Date of Sampling	03-05-2022
Sample ID	22722-WW-02	Date of Receipt	03-05-2022
Sample Qty. & Packing	1 L & Sealed	Date of Analysis start	04-05-2022
Sampled by	Mr.Dilip	Date of Completion	07-05-2022

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

SR.NO.	PARAMETERS	UNIT	TEST METHOD	PERMISSIBLTE LIMIT (NOTE 2)	RESULTS Sample 2
1.	BOD (3 days at 27°C)	mg/L	IS 3025 (Part 44) 1993	less than 20	15
2	Suspended Solid	mg/L	APHA 23rd Ed.2540 D	less than 30	20
3	Residual Chlorine	ppm	APHA 23rd Ed.4500-CL- B	minimum 0.5	0.6

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

Results from external providers, if any :-None

Any other remarks :-None

Abbreviations used :- None

Copy 1 of 2

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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Format No. : SC/LAB/F/Report-10 Issue No.: 01 Issue Date: 19-06-2020 Revision No.: 02 Revision Date: 09-04-2022 page 1 of 1

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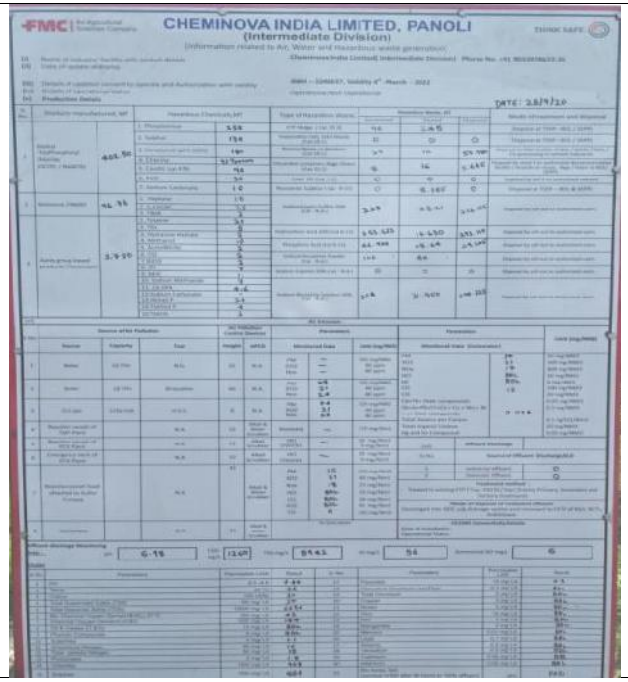
: Dahej Off. : "SANSKAR AVENUE" Shop No. GF 37, P.O. Jolva, Ta. Vagra, Dist. Bharuch. Tele : 02641 - 254041

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		
Sr. No.	Consent Condition Requirement	Compliance Status
	install. STP of adequate capacity and treated sewage shall be reused/ recycled to the maximum extent.	
3.8	In case of Large and Medium Red Category industry, the unit shall install system for continuous monitoring of effluent quality/ quantity as per CPCB guidelines for relevant parameters (like pH, Flow, Temperature, TOC/COD, NH3-N etc.) and shall be connected to GPCB server. In case, if the industry is a member of CETP, unit shall install flow meter.	Continuous monitoring of effluent quality and quantity is done as per the CPCB guidelines for relevant parameters.
3.9	If the water consumption of the unit is more than 50 KLPD, Unit shall submit detailed water harvesting plan (off site).	The rain water harvesting work as a roof rain water harvest program inside premises is under process and @ 1100 sq. m. roof of office building and DG-PCC building is selected for this project.
3.10	The unit shall explore Techno-Economic feasibility of Zero Liquid Discharge (ZLD) and if feasible, ZLD should be adopted.	Noted & complied.
3.11	The effluent conforming to the above standards shall be discharged into G.I.D.C. underground drainage system and conveyed to FETP (NCTL) which ultimately leads to deep sea for final disposal through pipeline.	Unit is a Zero Liquid Discharge Unit.
3.12	Unit shall be required to make storage facilities to store the effluent for at least 72 hours by providing acid proof brick lined impervious tanks / HDPE tanks	Storage capacity of more than 72 hours is available. The material of construction of storage tanks is based on the characteristic of the effluent (HDPE/FRP/Acid brick lining/RCC/metallic).
3.13	In case of shut – down of plant for more than three (3) days for any reason, the NCTL unit member shall intimate to NCTL authority & GPCB well in advance for the better operation & management of CETP.	Not applicable Unit has surrendered their NCTL Membership as per the condition of latest EC.
3.14	Unit shall make fixed arrangement for discharge of the effluent from their Final collection tanks to the underground drainage network of NCTL. Unit shall not keep any by-pass line or system or loose or flexible pipe line for discharge of the effluent into underground drainage network of NCTL.	
3.15	Magnetic flow meters shall be installed at the inlet & outlet of effluent collection tanks / ETP to measure the quantity of effluent discharged into the underground drainage network of NCTL.	Complied. Unit has installed magnetic flow meter as per the given condition. Photographs of the flow meter attached below:

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		
Sr. No.	Consent Condition Requirement	Compliance Status
3.16	Unit shall affix of water meters as per Section 4 (1) of the water (Prevention and Control of Pollution) Cess Act-1977 for the purpose of measuring and recording the quantity of water consumed at such places as may be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the unit until the contrary is proved.	Complied. Photographs attached below:
3.17	Unit shall provide adequate / safe effluent sampling facility for the effluent being stored in final collection / discharge tank of ETP or being discharged into CETP.	Complied. Unit is following the given condition.
3.18	Unit shall put up at the entrance a board displaying the name of unit, particulars of the products / process, the name of proprietor / partners / directors of the unit, NCTL membership number & date of joining of NCTL, the electricity consumer number as on the record of DGVCL.	Unit is following the given condition. Photograph of the display board is attached below:

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		
Sr. No.	Consent Condition Requirement	Compliance Status
		
3.19	Unit shall have to display on – line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.	Complied.
3.20	Unit shall either stop or curtail its production activities if the effluent is not adequately treated by the FETP of NCTL to conform to the standards specified by GPCB.	Not applicable Unit has surrendered their NCTL Membership as per the condition of latest EC.
3.21	The authorized representative of NCTL shall have right of entry at any time for the purpose of inspection and monitoring the effluent collection facilities / ETP (if required) of Unit.	
3.22	Unit shall have to keep accurate records of quality & quantity of effluent discharged to FETP on day-to-day basis. Separate logbook shall be maintained for recording the data & shall be made available for inspection as & when asked.	
3.23	Unit shall keep accurate records of quantity of production of each product, quantity of water consumption, quantity of effluent generated and consumption of electricity on day to day basis and required to submit the complied record of each month to GPCB on or before fifth day of the succeeding month.	Complied. Unit is e-filling Monthly Patrak on GPCB XGN Site every month.
3.24	In case of incinerators or MEE, the flow measuring devices for mother liquor / toxic effluent / Non-biodegradable effluent, light	The MEE Plant is in operation and flow

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Sr. No.	Consent Condition Requirement	Compliance Status
	diesel oil, Furnace oil, etc. i.e. fuel used for combustion, air used for combustion shall be separately provided. Incinerator temperature recording devices as well as gaseous flow measuring devices for scrubber shall also be provided. These data of temperature & flow should be recorded every day & submitted to GPCB on monthly basis.	measuring devices are installed. The MEE Feed and steam consumption is as follow : Month | Quantity (KL/Month) | Steam consumption December 2021 | 1268 | 521 January 2022 | 1341 | 514 February 2022 | 1057 | 395 March 2022 | 944 | 205 April 2022 | 968 | 280 May 2022 | 959 | 233
3.25	Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.	Complied. Unit has provided separate storm water line.
3.26	Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be treated along with industrial effluent and final treated effluent shall be discharged to the CETP of NCTL.	Complied. Unit is following the given condition.
3.27	If the NCTL authority terminates the membership of CETP, the NCTL member unit shall have to close down the manufacturing activities / industrial operation of the process plant immediately until the NCTL membership is resumed.	Noted.
3.28	The Environmental Management Unit / Cell shall be setup to ensure implementation on and monitoring of environment safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell / Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issued. These Cells also coordinate the exercise of environmental audit and preparation of environmental statements.	Complied.
3.29	The environmental audit shall be carryout yearly, if applicable. The environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year.	Complied.
3.30	Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.	Complied. Photographs of the same is attached below:

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Sr. No.	Consent Condition Requirement	Compliance Status

Greenbelt along the approach road

Near car parking and admin building

Near process plant

Greenbelt near utility section

3.31	In case of change of ownership / management the name and address of the new ownership / partners / directors / proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form / order should immediately be intimated to this Board.	Noted and agreed.
3.32	The Board reserves the right to review and/or revoke the consent and/or make modifications in the conditions which it seems fit in accordance with provisions of Water Act-1974.	Noted
4	CONDITIONS UNDER THE AIR ACT.	
	Specific Condition	
	1. Unit shall operate only one boiler (i.e. NG based Boiler Maxima GT-5310 (Cap. 10 TPH) OR Furnace Oil based Boiler I AC GT-4423 (Cap 10 TPH)) at a same time.	Complied. Unit is following the given condition.
4.1	Unit shall use fuel as specified in this consent and the flue gas emission through stack shall conform to the standards.	Complied. Unit is following the given condition.

Sr. No	Stack ID/Stack Attached to	Capacity/ Remarks	Name of Fuel	Quantity of Fuel	Air Pollution Control Measure (APCM)	Stack Height (m) (From GL)	Parameters	Permissible Limit	Unit
1	95313-Boiler	Common stack of Boiler Maxima GT-5310 (Cap 10 TPH) & Boiler IAC GT-4423 (Cap 10 TPH)	Natural gas	NG- 9000 m^3/h or FO- 625 L/h	Not Applicable	32	PM SO_2 NO_X	150 100 50	mg / Nm^3 ppm ppm

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Sr. No.	Consent Condition Requirement	Compliance Status

2	8826-D.G. Sets	D.G. Set Cap. 1250 KVA	HSD	90 L/h	Not Applicable	09	PM SO_2 NO_X	150 100 50	mg / Nm^3 ppm ppm
3	44916-Incinerator	Incinerator for waste gas with APCM as Water+Alkali Scrubber (Dhal Chamber)	Not used/NA	--	Water Scrubber + Alkali Scrubber	45	Parameters as mentioned below	--	--
4	60699-Boiler	Boiler (Model-Tejaswee- Cap.: 18 TPH)	Agro Waste / Briquettes	Bagasse/ Groundnut shell/ Briquettes: 2970 kg/h	Dust collector, Bag filter	40	PM SO_2 NO_X	150 100 50	mg / Nm^3 ppm ppm

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
Cd + Th + their compounds	0.05 mg/Nm^3	Sampling time anywhere between 30 minutes and 8 hours
CO	100 mg/Nm^3	30 minutes
CO	50 mg/Nm^3	Standard refers to daily average value
HCl	50 mg/Nm^3	30 minutes
HF	4 mg/Nm^3	30 minutes
Hg and Its compounds	0.05 mg/Nm^3	Sampling time anywhere between 30 minutes and 8 hours
NOx (NO and NO2 expressed as NO2)	400 mg/Nm^3	30 minutes
Particulates	50 mg/Nm^3	30 minutes
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
SO_2	200 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.
Total Organic Carbon	20 mg/Nm^3	30 minutes

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Sr. No.	Consent Condition Requirement	Compliance Status
	Note: All values of outlet parameters of Incinerator shall be corrected to 11% oxygen on dry basis.	
4.2	The process emission through various stacks / vent of reactors, process, vessel shall conform to the following standards.	Complied. Unit is following the given condition.

Sr. No.	Stack ID/Stack Attached to	Name of Process/Plant	Air Pollution Control Measure (APCM)	Stack Height (m) (From G.L)	Parameter & Permissible Limit
1	44914 - Reaction Vessels	Stack attached to reactor of TMP Plant	Alkali Scrubber, Water Scrubber	15	Ammonia -175 mg/Nm^3
2	8828 - Reaction Vessels	Stack attached to Sulphur Furnace	Alkali Scrubber, Water Scrubber	45	PM- 150 mg/Nm^3 SO_2 -40 mg/Nm^3 NO_x - 25 mg/Nm^3 HCl- 20 mg/Nm^3 Chlorine - 09 mg/Nm^3 H_2S- 45 mg/Nm^3 CO- 150 mg/Nm^3
3	44915- Reaction Vessels	Stack attached to reactor of PCl_3 Plant	Alkali Scrubber	15	HCl- 20 mg/Nm^3 Chlorine- 09mg/Nm^3
4	93982 - Reaction Vessels	Stack attached to Emergency vent of PCl_3	Alkali Scrubber	15	HCl- 20 mg/Nm^3 Chlorine- 09mg/Nm^3

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Sr. No.	Consent Condition Requirement	Compliance Status

Siddhi Green Excellence PRIVATE LIMITED

SIDDHI

TC-6007

TEST REPORT

REPORT NO. : SC/CIL/D/ST/MAR/2022/05 — Date of Issue : 08-03-2022

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

SR.NO.	DESCRIPTION	PROCESS STACK EMISSION ANALYSIS
	Particulars of Sample	**Stack No.1**
1	PCB ID of Stack	-
2	Sample ID	21964-PS-01
3	Name of Stack	MEE Vent (50 KLD)
4	Source	MEE ATFD Vent
5	Date & Time of sampling	02-03-2022 & 11:00 h
6	Date of Receipt	02-03-2022
7	Date of Analysis start	03-03-2022
8	Date of Completion	04-03-2022

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

	Details of Stack	
1	Stack Height	-
2	Stack Diameter	-
3	Temperature of gas	51°C
4	Velocity of gas	-

	PARAMETERS ANALYSED	UNIT	TEST METHOD	RESULTS
1	SO2	ppm	IS 11255(Part 2):1985,RA2019	10
2	NO_x	ppm	IS 11255(Part 7):2005,RA2017	18

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

Results from external providers, if any :- None

Any other remarks :-None

Abbreviations used :- None

COPY 2 OF 2

Verified by

Authorized Signatory

Mrs. Fatema M. Jadliwala (Technical Manager) Mrs. Kuntal P. Shah (Quality Manager) Mr. Purvesh M. Shah (CEO & MD)

Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only unless otherwise specified.
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.

*** End of Report ***

Format No. : SC/LAB/T-Report-03 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 02 Revision Date : 16-06-2020 page 1 of 2

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

: Regd. Office : "Kamal Arcade - The Vertical Sunclock" Comm. Plot No. C-3/3, GIDC Station Road, Ankleshwar - 393 002. Dist. Bharuch, Gujarat State, (India). Tele. : 02646 - 224805,

: Dahej Off. : "SANSKAR AVENUE" Shop No. GF 37, P. O. Jolva, Ta. Vagra, Dist. Bharuch. Tele : 02641 - 254041 E-mail : siddhi.ank@gmail.com

4.3	Unit shall adhere to stringent air pollutants standards i.e. 80% of existing flue gas and process emission standards in the CPA. Flue gas Emission Standards	Complied.

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Sr. No.	Consent Condition Requirement	Compliance Status
	Parameters / Existing / Revised norms (80% of existing) PM / 150 mg/Nm^3 / 120 mg/Nm^3 SO_2 / 100 mg/Nm^3 / 80 mg/Nm^3 NO_x / 50 mg/Nm^3 / 40 mg/Nm^3 a. Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals. b. 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.	
4.4	Following air pollution control measures shall be provided for the flue gas emission sources like Boiler, Thermic Fluid Heaters etc. (As Applicable) Stipulated APCM in Red category industrial units of CPA Steam generation capacity (in TPH) / Type of APCM Less than 1 / Multi Cyclone 1 to < 3 / Multi Cyclone + Water Scrubber 3 to < 6 / Bag filter + Water Scrubber ≥ 6 / ESP + Water Scrubber	Noted and complied Boiler is equipped with dust collector.
4.5	Unit shall provide at least two stage scrubbing system of appropriate media for the control of the process gas emission.	All the scrubbers are equipped with double stage scrubbing system with appropriate media.
4.6	Unit shall install and commission Continuous Emission Monitoring System – CEMS (as per CPCB guidelines for relevant parameters) which shall be connected with GPCB / CPCB server (In case of large and medium red category industries)	Complied
4.7	All common facilities shall install CEMS (as per CPCB guidelines for relevant parameters) which shall be connected with GPCB / CPCB server to the stacks provided with Common Multiple Effect Evaporator (CMEE), Common Spray Dryer, Common incinerator etc.	Not Applicable
4.8	The unit shall adhere to Sector specific guidelines/ SOP published by GPCB/ CPCB from time to time for effective fugitive emission control. (like guidelines for: Stone crushing units, Coal handling units, spent solvent handling and management, spent acid management, Decontamination of drums, containers etc.)	Noted. All the applicable SOP's published by GPCB/CPCB for effective fugitive emissions will be followed
4.9	Unit shall take adequate measures to control odour nuisance from the industrial activities which may include measures like- use of masking agent with atomizer system (water curtain), closed/ automatic material handling system, containment of the odour vulnerable areas etc.	Noted. Odor control measures are in place to control odor nuisance from specific activities.
4.10	Unit shall not use Pet-coke, furnace oil, LSHS as a fuel.	Pet-coke, furnace oil, LSHS are not used as a fuel. Only Natural gas and H.S.D. is used

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Sr. No.	Consent Condition Requirement	Compliance Status
4.11	Unit shall adopt sectoral Best available Technology-BAT (Like Use of Introduction Furnace, Electric Arc Furnace instead of Cupola furnace in foundry industry, Caustic Recovery System in Cotton Textile units etc.	Not applicable.
4.12	Unit shall provide green belt of 40% of the plot area, using concept of the social forestry and development of green belt outside project premises in adjacent areas.	Green belt development is in progress outside premises by acquiring land given by GIDC. 33.18% green belt of the total plot area is already available within premises.
4.13	Unit shall provide Wall to Wall carpeting in vehicle movement areas within premises to avoid dusting.	Wall to wall carpeting in vehicle movement areas is made available to avoid dusting.
4.14	Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.	Complied.
4.15	The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.	Noted
4.16	Unit shall provide portholes, ladder, platform etc. at chimney(s) for monitoring the air emissions and the same shall be open for inspection to / and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted / displayed to facilitate identification.	Complied. Stack monitoring facilities already provided
4.17	Unit shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.	Complied. Noise levels are well within the permissible limit.
4.18	All efforts shall be made to control VOC emissions and odor problem, if any.	Complied.
5.	AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES	
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-86147, issued vide letter no. GPCB/ANK/CCA-115(9)/ ID-15016/415086, dated 16/06/2017 and further amended dated 14/08/2017 is amended and shall now be read as under.	Complied. Disposal of hazardous waste is as per granted quantity by GPCB.

Sr. No.	Waste	Existing	Proposed	Total Quantity/ Year	Category No.	Facility
1.	ETP Sludge	1800 MT	--	1800 MT	34.3	Collection, Storage, Transportation Disposal at TSDF – BEIL & SEPPL
2.	Used oil	11.04 MT	--	11.04 MT	5.1	Collection, Storage, Transportation. Disposal by selling to Registered re-refiners.
3.	Discarded Container Bags/liners	2, 41, 440 Nos. OR 1943 MT	--	2, 41, 440 Nos. OR 1943 MT	33.3	Collection, Storage, Decontamination. Sale to authorized decontamination facility/ reuse. Bags/liners to BEIL & SEPPL
4.	Process waste Residue	12821 MT	--	12821 MT	29.1	Collection, Storage, Transportation & disposal to common TSDF facility of BEIL/SEPPL/GSPL-Palsana /RSPL/Co-processing in cement industries.

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Sr. No.	Consent Condition Requirement	Compliance Status
	5. Solid waste/ Evaporation salt: 9259 MT; -- ; 9259 MT; 29.1; Collection, Storage, Transportation & disposal to common TSDF facility of BEIL/ SEPPL/ GSPL Palsana/ RSPL/ Co-processing to cement industries.	
	6. Recovered Sulphur: 4320 MT; -- ; 4320 MT; D-1; Collection, Storage, Transportation & disposal to common TSDF facility of BEIL & SEPPL	
	7. Sodium Hydro sulfide (30%): -- ; 3240 MT; 3240 MT; -- ; Collection, Storage, Transportation & sold to actual enduser is having permission under Rule 9 & after making MoU.	
	8. Hydrochloric acid (30%): -- ; 4152 MT; 4152 MT; B-15; Collection, Storage, Transportation & sold to actual enduser is having permission under Rule 9 & after making MoU.	
	9. Phosphoric Acid: -- ; 1460 MT; 1460 MT; B-15; Collection, Storage, Transportation & sold to actual enduser is having permission under Rule 9 & after making MoU.	
	10. Sodium Bisulphite powder: -- ; 2250 MT; 2250 MT; -- ; Collection, Storage, Transportation & sold to actual enduser is having permission under Rule 9 & after making MoU.	
	11. Sodium Sulphite 30%: -- ; 3775 MT; 3775 MT; -- ; Collection, Storage, Transportation & sold to actual enduser is having permission under Rule 9 & after making MoU	
	12. Sodium Bisulphite solution (30%): -- ; 7440 MT; 7440 MT; -- ; Collection, Storage, Transportation & sold to actual enduser is having permission under Rule 9 & after making MoU	
5.3	The authorization is granted to operate a facility as above	Noted the given condition
5.4	The authorization shall be in force for a period upto 04/03/2022	Noted the given condition
5.5	The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act- 1986	Noted.
5.6	Unit shall strictly carry out handling, storage and disposal of fly-ash, slag, red-mud, de-inking sludge etc. (High Volume- Low Effect Wastes) as per prevailing guidelines and its disposal at designated locations approved by the Board.	Handling, storage and disposal of fly ash is done as per guidelines at designated locations.
5.7	Industry shall dispose its hazardous wastes through co-processing, pre-processing to the extent possible prior its disposal to incineration/ landfill as per provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.	Complied
5.8	Industry shall strictly comply with all the measures specified in guidelines for spent solvent management, spent acid management, and other guidelines/ directions published from time to time by GPCB and/ or CPCB, etc.	Complied
5.9	Unit shall carry out transportation of hazardous waste through GPS mounted vehicles only	All the transportation of hazardous wastes is done through GPS mounted vehicles only.
6	TERMS AND CONDITIONS OF AUTHORISATION :	
6.1	The authorized person shall comply with the provisions of the Environment (Protection) Act-1986, and the rules made there under.	Complied.
6.2	The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.	Noted

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Sr. No.	Consent Condition Requirement	Compliance Status
6.3	The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.	Noted and agreed.
6.4	Any un authorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.	Noted
6.5	The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.	Complied.
6.6	The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".	Noted
6.7	It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.	Noted
6.8	The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean – up operation.	Hazardous and other wastes are not imported.
6.9	The record of consumption and fate of the imported hazardous and other wastes shall be maintained.	Hazardous and other wastes are not imported.
6.10	The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.	Noted
6.11	The importer or exporter shall bear the cost of import or export and mitigation of damages, if any.	Hazardous and other wastes are not imported or exported.
6.12	An application for the renewal of an authorization shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules – 2016.	Noted
6.13	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.	Noted
6.14	Annual return shall be filed by June 30th for the period ensuring 31st March of the year.	Complied.
6.15	Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W. P. No. 657 of 1995 dated 14th October 2003.	Complied.
6.16	Unit shall submit report of compliance of the conditions of EC every year to the Board prepared by third party.	Noted.
6.17	Unit shall enhance CER fund allocation to at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	Noted. It will be implemented

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

EC copy

By Speed Post/Online

F. No. IA-J-11011/53/2018-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(IA-II Section)

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-brornobutyric Acid (int),ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium	150	--	150

	(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), Arnitraz (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), (SafenerIsoxadifen ethyl (Int), Irnidacloprid (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 Cyhaothrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int) etc.	300	--	300
13.	Ether group based products [Propargite (I), oxyfiuorfen (H), 2 Ethoxy Ethyl Amine (Int), S-Cyano MPB (Int)] etc.	200	--	200
14.	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc.	1200	--	1200
15.	Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int), Acephate (I),Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)] etc.	5000	--	5000

16.	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) CloquintocctMexyl (H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxvstrobin (F) etc	250	--	250
17.	Urea group based product [Buprofezin (I),Lufenuron (I), Linuron (H), Diafenthiuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I), Spiromesifen (I), Azimsulfuron (H) ,Sulfonyl Ureas (H)] etc.	100	--	100
18.	Phenol group based product [2- Cyanophenol (Int), 4- Fluro-3 trilluromethylphenole (Int)] etc.	75	--	75
19.	Sulfentrazone	--	2000	2000
20.	F-9600 (2-(2,4-dichlorobenzyl)-4,4-dimethylizoxazolidin-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.	Triflusulfuron 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.

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

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 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.

(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.

(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

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.

(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.

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)
वैज्ञानिक 'ई'
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Min.of Environment,Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

(Dr. R. B. Lal)
Scientist E

Copy to: -

1. The Deputy DGF (C), MoEF&CC Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal -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 Bhavan, 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

Provisional Copy of CTO Renewal

Provisional Consent Order (CCA)

Consent No. AWH-118890 Valid upto: 04/03/2027

Gujarat Pollution Control Board
Paryavaran Bhavan, Sector-10/A,
Gandhinagar - 382010
Tele : 23222756

Application : CtO:CCA-Renewal, No. 211771 Dt. 12/04/2022, Granted On: 23/05/2022 | PCB Id:15016

Besides streamlining and simplifying of regulatory regime,Gujarat Pollution Control Board has taken initiative in from of introduction of Consolidated Consent and Authorization (CC&A) which provides for a one shot application and clearance of the consents under Water Act,Air Act and Authorization under Hazardous Wastes Rules for a period of 5 years.
Board issues consolidated consent and Authorization to an industrial unit for operation of plant/carrying out industrial activity specifying following conditions.

Consolidated Consent and Authorisation

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)Act-1981
and Authorization under rule 3(c)& 5(5)of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules'2008 framed under the E(P)Act-1986.
And whereas Board has received consolidated Application No.(CtO:CCA-Renewal) 211771 and Dated 12/04/2022 for the consolidated consent and authorization(CC&A) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.

CONSENT AND AUTHORISATION : (under the provisions / rules of the aforesaid environmental acts)

To,
M/s. Cheminova India Ltd(Intermediate Div),
27,28, City : Panoli,
Dist : Ankleshwar, Tal : Ankleshwar, SIDC : Panoli
Phone : 7229010777

1. Consent Order No: AWH-118890 Valid Upto: 04/03/2027

2. All Conditions under the AIR ACT-1981 WATER ACT-1974 HAZARDOUS ACT-2008 shall be Applicable to you as mentioned in the detailed Consent Order ***

   Consented CETP: F.E.T.P (BEIL)
   Consented TSDF: B.E.I.L. Ankleshwar [14983]

3. GENERAL CONDITIONS :-

a) This order is provisional order and detailed order is considered as final.
b) All the conditions & provisions under the Water Act 1974, the Air Act 1981 and the Environment (Protection) Act – 1986 and the rules made there under shall be complied with *.
c) All the conditions & provisions under the Hazardous Waste (Management, Handling and Trans boundary Movement) Rules 2008 as amended shall be complied
d) The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
e) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(A) during day time and 70dB(A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.
f) In case of change of ownership/management the name and address of the new owners/ partners/ directors/ proprietor or equipment or working conditions as mentioned in the consents form / order should immediately be intimated to the Board.
g) Industry shall have to display data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emissions and solid hazardous wastes generated within the factory premises.
h) The CCA shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.
i) Any unauthorized change in personnel, equipment or working conditions as mentioned in the CCA order by CCA holder shall constitute a breach of this CCA.
j) Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is atleast 1000 trees per acre of land and a green belt of 5 meters width is developed.
K) The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.

*** Note : ACT-Specific, Industry-specific, Area-specific Conditions alongwith Product, Waste water effluent details shall be precisely mentioned in the DETAILED Consent Order.

*** Note :This is only provisional communication. The final Consent/Authorization in hard copy with duly signed by competent authority shall the final and valid Consent/Authorization.

For and on behalf of
Gujarat Pollution Control Board

(Member Secretary)

Printed On : 30/05/2022 Computer generated Order thru XGN, does NOT require Physical Signature N I C

Provisional Copy of CTO Amendment

Provisional Consent Order (CCA)

Gujarat Pollution Control Board
Paryavaran Bhavan, Sector-10/A,
Gandhinagar - 382010
Tele : 23222756

Consent No. AWH-118963 Valid upto: 04/03/2027

Application : CtO:CCA-Ammendment, No. 203050 Dt. 27/09/2021, Granted On: 25/05/2022 | PCB Id:15016

Besides streamlining and simplifying of regulatory regime,Gujarat Pollution Control Board has taken initiative in from of introduction of Consolidated Consent and Authorization (CC&A) which provides for a one shot application and clearance of the consents under Water Act,Air Act and Authorization under Hazardous Wastes Rules for a period of 5 years.
Board issues consolidated consent and Authorization to an industrial unit for operation of plant/carrying out industrial activity specifying following conditions.

Consolidated Consent and Authorisation

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)Act-1981
and Authorization under rule 3(c)& 5(5)of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules'2008 framed under the E(P)Act-1986.
And whereas Board has received consolidated Application No.(CtO:CCA-Ammendment) 203050 and Dated 27/09/2021 for the consolidated consent and authorization(CC&A) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.

CONSENT AND AUTHORISATION : (under the provisions / rules of the aforesaid environmental acts)

To,
M/s. Cheminova India Ltd(Intermediate Div),
27,28, City : Panoli,
Dist : Ankleshwar, Tal : Ankleshwar, SIDC : Panoli
Phone : 7229010777

1. Consent Order No: AWH-118963 Valid Upto: 04/03/2027

2. All Conditions under the AIR ACT-1981 WATER ACT-1974 HAZARDOUS ACT-2008 shall be Applicable to you as mentioned in the detailed Consent Order ***

Consented CETP: F.E.T.P (BEIL)
Consented TSDF: B.E.I.L. Ankleshwar [14983]

3. GENERAL CONDITIONS :-

a) This order is provisional order and detailed order is considered as final.
b) All the conditions & provisions under the Water Act 1974, the Air Act 1981 and the Environment (Protection) Act – 1986 and the rules made there under shall be complied with *.
c) All the conditions & provisions under the Hazardous Waste (Management, Handling and Trans boundary Movement) Rules 2008 as amended shall be complied
d) The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
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*** Note : ACT-Specific, Industry-specific, Area-specific Conditions alongwith Product, Waste water effluent details shall be precisely mentioned in the DETAILED Consent Order.

*** Note :This is only provisional communication. The final Consent/Authorization in hard copy with duly signed by competent authority shall the final and valid Consent/Authorization.

For and on behalf of
Gujarat Pollution Control Board

(Member Secretary)

Printed On : 30/05/2022 Computer generated Order thru XGN, does NOT require Physical Signature N I C

CC&A/CTO-Amendment Copy

GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, **Gandhinagar** 382 010
Phone : (079) 2322242
(079) 2323215
Fax : (079) 2323215
Website : www.gpcb.gov.in

By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A – Amendment)

CCA AMENDMENT NO: AWH - 104863

NO: GPCB/ANK/CCA-115(13)/ID-15016/ **DT: 10/12/2019**

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. 163733 dated **19/09/2019.**
(2) CCA No. AWH - 86147 dated :16/06/2017
(3) CCA Amendment No. AWH -94667 dated:31/08/2018.
(4) CTE Amendment No. 98963 dated:30/03/2019 (For change in Product Mix)

Sir,

This has reference to the CCA order No: **AWH-86147, issued vide letter no. GPCB/ ANK/CCA-115(9)/ID-15016/415086, dated 16/06/2017 and further amended dated 31/08/2018** under the provisions of the various Environmental Act/ Rules, which stands amended as under. The Validity of this order will be up to **04/03/2022.**

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

Sr. No.	Products	Quantity (MT/Annum)			Remarks
		Existing	Proposed	Total (After Change in Product Mix)	
1.	Phosphorus Trichloride (PCl3)/ Phosphoryl chloride (POCl3)	1000	--	1000	No change
2.	Tri methyl Phosphite (TMP) or Tri ethyl Phosphite (TEP)	100	--	100	No change
3.	Diethyl Thio Phosphoryl Chloride (DETPC) /Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA)	5330	--	5330	No change
4.	Cyhalothrin Acid	250	--	250	No change
5.	Phosphorus Penta Sulphide (P2S5)	3400	--	3400	No change
6.	Fluindapyr (F 9990)	--	+150	150	New Product
7.	Bixlozone (F9600)	--	+960	960	New Product

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8.	Acid based products [2-brornobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium (H), Pyrithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)] etc.	150	--	150	No change
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	No change
10.	Aniline group Bases products [Pendirnethalin (H), Fluazinam (F), Metalaxyl (F), Famoxadone (F)] etc.	1200	- 1200	--	Discontinue Product
11.	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	No change
12.	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),	200	--	200	No change

Outward No:529725,10/2021

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	Flutriafol (F), (Safener Isoxadifen ethyl (Int), Irnidacloprid (I), 2, 6 DiChloro Benzoxazolone (Int), Penoxasulam (H)] etc.				
13.	Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Methyl (F)] etc.	500	--	500	No change
14.	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	No change
15.	Ether group based products [Propargite (I), oxyfiuorfen (H), S- Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)] etc.	200	--	200	No change
16.	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc.	1200	--	1200	No change
17.	Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)] etc.	5000	--	5000	No change
18.	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocct Mexyl (H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxystrobin (F) etc	250	--	250	No change

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19.	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	No change
20.	Phenol group based product [2- Cyanophenol (Int), 4-Fluro-3 trilluromethyl phenole (Int)] etc.	75	--	75	No change
	Total	**19705**	**-90**	**19615**	

2. **SPECIFIC CONDITIONS:-**

a. **Total production shall not exceed 19615 MT/Month in any case.**
b. **There shall be no change in mode of disposal of wastewater.**
c. **There shall be no change in fuel consumption, flue gas emission and process gas emission.**
d. **There shall be no change in Hazardous waste quantity / category.**
e. **Unit shall sell out their hazardous waste to authorized end-users who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized end-users and submit MoU at time of application of CCA.**
f. **All the efforts shall be made to send hazardous waste to cement industry for Co- processing first & there after it shall be disposed through other option.**
g. **Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.**
h. **There shall not be increase in pollution load due to proposed change in product mix.**
i. **There shall not be any change in plant building, equipments & machineries to manufacture the proposed new products after change in product mix.**
j. **In the case of submission of the false or misleading data, this CTE amendment will be forfeited immediately.**
k. **CCA is granted with a condition to comply guideline to be issued by Ministry of Environment, Forest and Climate Change in the matter of O.A.No.1038/2018 and Hon.NGT order dated: 10/07/2019 and 23/08/2019.**

[A] Additional conditions under Air Act:

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

Outward No 59925, 07/10/09

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Flue gas Emission Standards		
Parameters	**Existing**	**Revised norms (80% of Existing)**
PM	150 mg/Nm3	120 mg/Nm3
SO2	100 PPM	80 PPM
NOx	50 PPM	40 PPM

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

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

c) Unit shall provide at least two stage scrubbing system of appropriate media for the control of the process gas emission.

d) Unit shall install and commission Continuous Emission Monitoring System- CEMS (as per CPCB guidelines for relevant parameters) which shall be connected with GPCB/ CPCB server (In case of large and medium red category industries)

e) All common facilities shall install CEMS (as per CPCB guidelines for relevant parameters) which shall be connected with GPCB/CPCB server to the Stacks provided with Common Multiple Effect Evaporator (CMEE), Common Spray Dryer, Common incinerator etc.

f) The unit shall adhere to Sector specific guidelines/ SOP published by GPCB / CPCB from time to time for effective fugitive emission control. (like guidelines for: Stone crushing units, Coal handling units, spent solvent handling and management, spent acid management, Decontamination of drums, containers etc.)

g) Unit shall take adequate measures to control odour nuisance from the industrial activities which may include measures like- use of masking agent with atomizer system (water curtain), closed / automatic material handling system, containment of the odour vulnerable areas etc.

h) Unit shall not use Pet-coke, furnace oil, LSHS as a fuel.

i) Unit shall adopt sectoral Best Available Technology-BAT (Like Use of Induction Furnace, Electric Arc Furnace instead of Cupola furnace in foundry industry, Caustic Recovery System in Cotton Textile units etc.)

j) Unit shall provide green belt of 40% of the plot area, using concept of the social forestry and development of green belt outside project premises in adjacent areas.

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

[B] Additional conditions under the Water Act:

a) Unit shall only use treated effluent for preparation of lime and other slurry in ETP. No fresh water shall be utilized in ETP.

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b) In the case, if the Industry is not a member of CETP and domestic waste water generation is more than 10 KLPD, industry shall install STP of adequate capacity and treated sewage shall be reused / recycled to the maximum extent.

c) In case of Large and Medium Red Category industry, the unit shall install system for continuous monitoring of effluent quality / quantity as per CPCB guidelines for relevant parameters (like pH, Flow, Temperature, TOC/COD, NH3-N etc.) and shall be connected to GPCB server. In case, if the industry is a member of CETP, unit shall install flow meter.

d) If the water consumption of the unit is more than 50 KLPD, Unit shall submit detailed water harvesting plan (off site).

e) The unit shall explore Techno-Economic feasibility of Zero Liquid Discharge (ZLD) and if feasible, ZLD should be adopted.

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

a) Unit shall strictly carry out handling, storage and disposal of fly-ash, slag, red-mud, de-inking sludge etc. (High Volume- Low Effect Wastes) as per prevailing guidelines and its disposal at designated locations approved by the Board.

b) Industry shall dispose its hazardous wastes through co-processing, pre-processing to the extent possible prior its disposal to incineration/ landfill as per provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

c) Industry shall strictly comply with all the measures specified in guidelines for spent solvent management, spent acid management, and other guidelines/directions published from time to time by GPCB and/or CPCB, etc.

d) Unit shall carry out transportation of hazardous wastes through GPS mounted vehicles only.

[D] Other General Conditions:

a) Unit shall submit report of compliance of the conditions of EC every year to the Board prepared by third party.

b) Unit shall enhance CER fund allocation to at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.

3. CONDITION UNDER THE WATER ACT:

3.1 The condition No. 3.3 for Water Consumption under Water Act of the CCA order No: **AWH-86147, issued vide letter no. GPCB/ ANK/CCA-115(9)/ID-15016/415086, dated 16/06/2017 and further amended dated 31/08/2018** is amended and shall now be read as under.

a. Domestic: 25 KL/Day (Existing 25 KLD + Proposed Nil)
b. Industrial: 423 KL/Day (Existing 429 KLD - Proposed 6 KLD)
c. Gardening: 25 KL/Day (Existing 25 KLD + Proposed Nil)

Total: 473 KL/Day (Existing 479 KLD - Proposed 6 KLD)

3.2 The condition No. 3.1 & 3.2 for Wastewater Generation under Water Act of the CCA order No: **AWH-86147, issued vide letter no. GPCB/ ANK/CCA-115(9)/ID-15016/415086, dated 16/06/2017 and further amended dated 31/08/2018** is amended and shall now be read as under.

a. Domestic: 25 KL/Day (Existing 25 KLD + Proposed Nil)
b. Industrial: 176 KL/Day (Existing 181 KLD - Proposed 5 KLD)

Total: 201 KL/Day (Existing 206 KLD - Proposed 5 KLD)

3.2 176 KLD treated effluent shall be discharged to NCTL by underground drainage line and 25 KLD domestic sewage shall be disposed off through septic tank/soak pit system as per previous CCA conditions.

Outward No.5207/SEIA/2021

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4 All other conditions of CCA order No: **AWH-86147, issued vide letter no. GPCB/ ANK/CCA-115(9)/ID-15016/415086, dated 16/06/2017 and further amended dated 31/08/2018** will remain same.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(A.V.SHAH)
SR. ENVIRONMENT ENGINEER

Outward No:529725,10/12/2019

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By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A – Amendment)
CCA AMENDMENT NO: AWH – 94667

NO: GPCB/ANK/CCA- 115(10)/ID-15016/_____ **DT:___/08/2018**

To,
M/S. CHEMINOVA INDIA LTD.(INTERMEDIATE DIV),
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. 130970 dated **26/04/2018.**
(2) CCA No. AWH - 86147 dated : 16/06/2017 and further amended dated 14/08/2017.
(3) CTE Amendment No. 89767 dated: 27/12/2017 (For change in Product Mix)

Sir,

This has reference to the CCA order No: AWH-86147, issued vide letter no. GPCB/ ANK/ CCA-115(9)/ ID-15016/415086, dated 16/06/2017 and further amended dated 14/08/2017 under the provisions of the various Environmental Act/ Rules, which stands amended as under. The Validity of this order will be up to **04/03/2022.**

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

Sr. No.	Products	Quantity (MT/Year)		
		Existing	Proposed	Total (After Change in Product Mix)
1.	Phosphorus Trichloride (PCl_3)/ Phosphoryl chloride ($POCl_3$)	1000	-	1000
2.	Tri methyl Phosphite (TMP) or Tri ethyl Phosphite (TEP)	1700	-1600	100
3.	Diethyl Thio Phosphoryl Chloride (DETPC) /Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA)	3980	+1350	5330
4.	Cyhalothrin Acid	-	+250	250
5.	Phosphorus Penta Sulphide (P_2S_5)	3400	-	3400
6.	Acid based products [2-brornobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium (H), Pyrithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)] etc.	150	-	150

Outward No:467347,31/08/2018

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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), Metalaxyl (F), Famoxadone (F)] etc.	1200	-	1200
9.	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
10.	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), Imidacloprid (I), 2, 6 DiChloro Benzoxazolone (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 Cyhaothrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int) etc.	300	-	300

Outward No:467347, 2

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13.	Ether group based products [Propargite (I), oxyfluorfen (H), S-Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)] etc.	200	-	200
14.	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc.	1200	-	1200
15.	Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)] etc.	5000	-	5000
16.	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocct Mexyl (H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxvstrobin (F) etc	250	-	250
17.	Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthiuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I), Spiromesifen (I), Azimsulfuron (H) ,Sulfonyl Ureas (H)] etc.	100	-	100
18.	Phenol group based product [2- Cyanophenol (Int), 4- Fluro-3 trilluromethyl phenole (Int)] etc.	75	-	75
19.	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
	Total	**19705**	**0**	**19705**

2. **SPECIFIC CONDITIONS:-**

a. Total production shall not exceed 19705 MT/Year in any case.
b. There shall not be increase in pollution load due to proposed change in product mix.
c. There shall not be any change in plant building, equipments & machineries to manufacture the proposed new products after change in product mix.
d. 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.

Outward No:46234/31/0/2008

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e. There shall be no change in water consumption, wastewater generation and their mode of disposal.

f. There shall be no change in fuel consumption, flue gas emission and process gas emission.

g. As per submission calcium chloride (30%):1000 MT/Year, Ammonium Chloride Sol(16%):15,300 MT/Year, Liq. Ammonia(20%):3600 MT/Year is not produced since 2015 due to not manufacture TMP so whoever unit will manufacture TMP, unit shall obtain CCA Amendment for the same with all required document like MoU with enduser & Rule-9 permission of enduser.

3 **CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016**

3.1 Unit shall comply with provisions of Hazardous & Other Wastes (Management & Transboundary Movement) Rules-2016.

3.2 The condition No. 6.2 under authorization for Hazardous & other wastes of the CCA order No: AWH-86147, issued vide letter no. GPCB/ ANK/ CCA-115(9)/ ID-15016/415086, dated 16/06/2017 and further amended dated 14/08/2017 is amended and shall now be read as under.

A. **Detail of Hazardous & other wastes by unit:**

Sr. No	Waste	Existing	Proposed	Total Quantity /Year	Catg. No.	Facility
1	ETP SLUDGE	1800 MT	—	1800 MT	34.3	Collection, Storage, Transportation, Disposal at TSDF – BEIL & SEPPL.
2	USED OIL	11.04 MT	—	11.04 MT	5.1	Collection, storage, transportation, Disposal by selling to Registered Re-refiners.
3	Discarded Container Bags/liners	2, 41,440 Nos. OR 1943 MT	—	2, 41,440 Nos. OR 1943 MT	33.3	Collection, Storage, Decontamination, Sale to authorized decontamination facility/reuse. Bags /liners to BEIL & SEPPL.

Outward No:467347/31/08/2018

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Sr. No	Waste	Existing	Proposed	Total Quantity /Year	Catg. No.	Facility
4	Process waste Residue	12821 MT	---	12821 MT	29.1	Collection, Storage, transportation & disposal to common TSDF facility of BEIL / SEPPL/GSPL Palsana / RSPL/ Co- Processing in cement industries.
5	Solid waste/Evaporation salt	9259 MT	---	9259 MT	29.1	Collection, Storage, transportation & disposal to common TSDF facility of BEIL / SEPPL/GSPL Palsana / RSPL/ Co- Processing in cement industries.
6	Recovered sulfur	4320 MT	---	4320 MT	D-1	Collection, Storage, transportation & disposal to common TSDF facility of BEIL & SEPPL.
7	Sodium Hydro sulfide 30%	---	3240 MT	3240 MT	---	Collection, Storage, transportation & sold to actual enduser is having permission under Rule-9 & after making MoU.
8	Hydrochloric Acid 30 %	---	4152 MT	4152 MT	B-15	Collection, Storage, transportation & sold to actual enduser is having permission under Rule-9 & after making MoU.

Outward No:467340, 21/08/2018

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Sr. No	Waste	Existing	Proposed	Total Quantity /Year	Catg. No.	Facility
9	Phosphoric Acid	---	1460 MT	1460 MT	B-15	Collection, Storage, transportation & sold to actual enduser is having permission under Rule-9 & after making MoU.
10	Sodium Bisulphite Powder	---	2250 MT	2250 MT	---	Collection, Storage, transportation & sold to actual enduser is having permission under Rule-9 & after making MoU.
11	Sodium Sulphite 30%	---	3775 MT	3775 MT		Collection, Storage, transportation & sold to actual enduser is having permission under Rule-9 & after making MoU.
12	Sodium Bisulphite Solution 30%	---	7440 MT	7440 MT	---	Collection, Storage, transportation & sold to actual enduser is having permission under Rule-9 & after making MoU.

4 All other conditions of CCA order No: AWH-86147, issued vide letter no. GPCB/ ANK/ CCA-115(9)/ ID-15016/415086, dated 16/06/2017 and further amended dated 14/08/2017 will remain same.

Outward No:467347,31/08/2018

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(G.H.TRIVEDI)
SR. ENVIRONMENT ENGINEER

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By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A – Amendment)

NO: GPCB/ANK/CCA-115/ID-15016/ Date: 09/08/2017

Amendment in CCA order No: **AWH-86147,** issued dated **17/06/2017** for revision of effluent discharge norms.

To,
M/s. Cheminova India Ltd(Intermediate Div),
PLOT NO: 27,28,
GIDC ESTATE: Panoli,
DIST-BHARUCH.

SUB: Amendment in Consolidated Consent & Authorization (CC&A) under various Environmental Acts/ Rules – Reg. revision of FETP inlet norms.
REF: (1) Your previous CCA No. **AWH-86147,** dated **17/06/2017**

Sir,

The Board has issued a Consent to Operate (CC&A) for your industry/ operation vide No. AWH-86147 dated 17/06/2017 having validity up to 04/03/2022.

The norms / standards were prescribed in the said consent to operate (CC&A) for the discharge of treated effluent in to FETP(Final Effluent Treatment Plant) of NCT.

Now, based on the recommendations of the norms committee, the Board has prescribed inlet norms for the FETP based on its design Parameter.

M/s. Cheminova India Ltd(Intermediate Div), Plot No: 27,28, GIDC Estate: Panoli, Dist-Bharuch is a member of FETP (NCT) & discharging its effluent to the FETP (NCT). Considering the same, the norms prescribed under condition of the said consent are amended as under:

A. CONDITION UNDER THE WATER ACT:

(1) The effluent conforming to the below standards shall be discharged into G.I.D.C. underground drainage system and conveyed to FETP (NCTL), which shall be further treated at FETP & discharged ultimately to deep sea for final disposal through pipeline.

Sr. No.	PARAMETERS	PERMISSIBLE LIMIT
1	pH	6.5 to 8.5
2	Temperature	40^0 C
3	Colour (pt.co.scale)	100 units
4	Total Suspended Solids (TSS)	150 mg/l
5	Total Dissolved Solids (TDS)	10000 mg/l
6	Biochemical Oxygen Demand, BOD_3, 27^0 C	200 mg/l
7	Chemical Oxygen Demand (COD)	1000 mg/l
8	Oil and Grease(O & G)	10 mg/l
9	Phenolic Compounds (as C_6H_5OH)	5 mg/l
10	Sulphide (as S)	5 mg/l
11	Ammonical Nitrogen (as N)	50 mg/l
12	Total Kjeldahl Nitrogen (as N)	50 mg/l
13	Phosphate (as P)	5 mg/l

(P.T.O.)

Outward No:419703, 09/08/17

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Sr. No.	PARAMETERS	PERMISSIBLE LIMIT
14	Chlorides (as Cl)	1000 mg/l
15	Sulphates (as SO_4)	1000 mg/l
16	Cyanide (as CN)	0.2 mg/l
17	Fluoride (as F)	15 mg/l
18	Hexavalent Chromium (as Cr+6)	0.1 mg/l
19	Total Chromium (as Cr)	2 mg/l
20	Copper (as Cu)	3 mg/l
21	Nickel (as Ni)	3 mg/l
22	Zinc (as Zn)	15 mg/l
23	Iron (as Fe)	3 mg/l
24	Manganese (as Nn)	2 mg/l
25	Mercury (as Hg)	0.01 mg/l
26	Lead (as Pb)	0.1 mg/l
27	Arsenic (as As)	0.2 mg/l
28	Venedium (as V)	0.2 mg/l
29	Cadmium (as Cd)	0.05 mg/l
30	Selenium (as Se)	0.05 mg/l
31	Bio-assay test	90 % Survival of fish after 96 hours in 100 % effluent
32	Insecticides/ Pesticides	Absent

Note: Norms/standard prescribed through earlier consent stands deleted & Norms/ Standard prescribed in condition (1) above shall be adhered to henceforth.

B. All other conditions of CCA order No:AWH-86147, issued dated 17/06/2017 and further amended will remain same.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

D.M. Thaker 9/8/17

(D.M.THAKER)
ENVIRONMENT ENGINEER

Outward No:419703,09/08/2017

CC&A/CTO Copy

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GUJARAT POLLUTION CONTROL BOARD

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

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

Website: www.gpcb.gov.in

By R.P.A.D

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)
CCA NO:AWH-86147

NO: GPCB / ANK / CCA- 115(9)/ ID- 15016/ 415086 **DT :** 16/6/2017

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

And whereas Board has received consolidated application dated **05/03/2017** and inward No.**118626** for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts, Consolidated Consent & Authorization is hereby granted as under.

CONSOLIDATED CONSENT AND AUTHORISATION:
(Under the provisions / rules of the aforesaid Environmental Acts)

TO,

M/s. Cheminova India Ltd(Intermediate Div)

PLOT NO: 27,28

GIDC ESTATE: Panoli

TALUKA: Ankleshwar

DIST- Bharuch - 394116,Gujarat,India

1. **Consent Order No.:** AWH-86147 **date of Issue** 23/05/2017.

2. The consent under Water Act - 1974 for conveying the industrial effluent to the CETP of M/s. NCTL for the treatment and disposal of treated effluent, The consent under Air Act-1981 & Authorization under Environment (Protection) Act, 1986 shall be **valid up to 04/03/2022** to operate industrial plant to manufacture following products:

Sr	Products	CTE Qty	Applied CCA Qty	Granted CCA Qty	Unit Per Mth	CAS No.	Remarks
1	ACID BASED PRODUCTS [2-BROMOBUTYRIC ACID (INT), AMINO ACID (INT), ETHYL 2-(4-HYDROXY PHENOXY) PROPIONATE (O-HPPA) (INT), THIOCYCLAM (I), BISPYRIBAC-SODIUM (H), PYRITHIOBAC-SODIUM (H), METHOXY AMINE HYDROCHLORIDE (INT), 2-HYDROXYPHENYL ACETIC ACID (HPAA) (INT)]ETC.	12.50	0.00	12.50	Metric Tonne		Either individual or total production of this group products shall not exceed 150 MT/Annum

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Sr	Products	CTE Qty	Applied CCA Qty	Granted CCA Qty	Unit Per Mth	CAS No.	Remarks
2	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.	12.50	0.00	12.50	Metric Tonne		Either individual or total production of this group products shall not exceed 150 MT/Annum
3	ANILINE GROUP BASES PRODUCTS [PENDIRNETHALIN (H), FLUAZINAM (F), METAIAXYI (F), FAMOXADONE (F)] ETC.	100.00	0.00	100.00	Metric Tonne		Either individual or total production of this group products shall not exceed 1200 MT/Annum
4	AZINE GROUP BASED PRODUCT FENPYROXIMATE (I), METRIBUZIN (H), PYMETROZINE (I), ARNITRAZ (I), INDOXACARB (I), CLOFENTEZINE (I), 2 METHOXY -4-METHYL-6-METHYLAMINO-L,3,5-TRIAZINE (MMMT) (INT)] ETC.	25.00	0.00	25.00	Metric Tonne		Either individual or total production of this group products shall not exceed 300 MT/Annum
5	AZOLE GROUP BASED PRODUCTS [FIPRONIL (I), HEXACONAZOLE (F), PROPICONAZOLE (F), DIFENOCONAZO{E (F), TRICYDAZOLE (F), MYCLOBUTANIL (F), FLORASULAM (H), TEBUCONAZOLE (F), FLUSILAZOLE (F), TEBUCONAZOLE (F), TRIDEMEFON, PACLOBUTRAZOL (F), THIAMETHOXAM (I), FLUTRIAFOL (F), (SAFENER ISOXADIFEN ETHYL (INT), LRNIDACLOPRID (I), 2, 6 DICHLOROBENZOXAZOLONE (INT), PENOXASULAM (H)] ETC.	16.66	0.00	16.66	Metric Tonne		Either individual or total production of this group products shall not exceed 200 MT/Annum

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Sr	Products	CTE Qty	Applied CCA Qty	Granted CCA Qty	Unit Per Mth	CAS No.	Remarks
6	CARBAMATE GROUP BASED PRODUCT [THIODICARB (I), PROPINEB (F), METIRAM (F), THIRAM (F), CARTAP HYDROCHLORIDE (I), THIOPHANATE METHYL (F)] ETC.	41.66	0.00	41.66	Metric Tonne		Either individual or total production of this group products shall not exceed 500 MT/Annum
7	ESTER GROUP BASED PRODUCTS [FENOXAPROP-P-ET (H), CLODINAFOP-PR (H), QUIZOLFOP-P-ETHYL (H), QUINZOLFOPP-TERFURYL (H),CYHALOFOP (H), ISOPROTHIOLANE (F),ALPHAMETHRIN (I), LAMBDA CYHAOTHRIN (I), CYPERMETHRIN) I),BIFENAZATE (I), PHTHALIDE (INT],ETC.	25.00	0.00	25.00	Metric Tonne		Either individual or total production of this group products shall not exceed 300 MT/Annum
8	ETHER GROUP BASED PRODUCTS [PROPARGITE (I), OXYFLUORFEN (H), S-CYANO MPB (INT), 2 ETHOXY ETHYL AMINE (INT)]ETC.	16.66	0.00	16.66	Metric Tonne		Either individual or total production of this group products shall not exceed 200 MT/Annum
9	KETONE GROUP BASED PRODUCT [MESOTRIONE (H), SUCTIONED (H), ISOXAFLUTOLE (H), DIMETHOMORPH (F), LSOBUTYROPHENONE (IBP) (INT)]ETC.	100.00	0.00	100.00	Metric Tonne		Either individual or total production of this group products shall not exceed 1200 MT/Annum
10	PHOSPHATE GROUP BASED PRODUCT [CHLORPYRIFOS (I) OR ITS INTERMIDIATE NA-TCP (INT), ACEPHATE (I), MONOCROTOPHOS (I) OR ITS INTERMEDIATES MCMMAA (INT.), DIMETHOATE (I), PROFENOFOS (I), ETHEPHON (PGR)]ETC.	416.66	0.00	416.66	Metric Tonne		Either individual or total production of this group products shall not exceed 5000 MT/Annum
11	PYRIDINE GROUP BASED PRODUCT [PYRIDALYL (I), IMAZETHAPYR (H) CLOQUINTOCCT MEXYL (H), ACETAMIPRID (I), 4,6-DICHLORO PYRIDINE (INT)], AZOXVSTROBIN (F) ETC.	20.83	0.00	20.83	Metric Tonne		Either individual or total production of this group products shall not exceed 250 MT/Annum

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Sr	Products	CTE Qty	Applied CCA Qty	Granted CCA Qty	Unit Per Mth	CAS No.	Remarks
12	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.	8.33	0.00	8.33	Metric Tonne		Either individual or total production of this group products shall not exceed 100 MT/Annum
13	PHENOL GROUP BASED PRODUCT [2-CYANOPHENOL (INT), 4-FLURO-3 TRILLUROMETHYL PHENOLE (INT)]ETC.	6.25	0.00	6.25	Metric Tonne		Either individual or total production of this group products shall not exceed 75 MT/Annum
14	TRIMETHYL PHOSPHITE (TMP) OR TRIETHYL PHOSPHITE (TEP)	141.66	0.00	141.66	Metric Tonne	0000121-45-9	Total production of this product shall not exceed 1700 MT/Annum
15	DIETHYL THIO PHOSPHORYL CHLORIDE (DETPC) /NADETA	331.66	0.00	331.66	Metric Tonne	0002524-04-1	Total production of this product shall not exceed 3980 MT/Annum
16	PHOSPHORUS PENTA SULPHIDE (P2S5)	283.33	0.00	283.33	Metric Tonne	0001314-80-3	Total production of this product shall not exceed 3400 MT/Annum
17	CALCIUM CHLORIDE 30%	83.33	0.00	83.33	Metric Tonne	0010043-52-4	Total production of this product shall not exceed 1000 MT/Annum
18	SODIUM SULFITE (30%)	314.58	0.00	314.58	Metric Tonne	0007757-83-7	Total production of this product shall not exceed 3775 MT/Annum
19	AMMONIUM CHLORIDE SOLUTION 16%	1333.33	0.00	1333.33	Metric Tonne	0012125-02-9	Total production of this product shall not exceed 16000 MT/Annum
20	HYDROCHLORIC ACID 30%	340.00	0.00	340.00	Metric Tonne	0007647-01-0	Total production of this product shall not exceed 4080 MT/Annum
21	PHOSPHORIC ACID	121.66	0.00	121.66	Metric Tonne	0007664-38-2	Total production of this product shall not exceed 1460 MT/Annum
22	SODIUM BISULPHITE POWDER	187.50	0.00	187.50	Metric Tonne	0007631-90-5	Total production of this product shall not exceed 2250 MT/Annum
23	SODIUM HYDRO SULFIDE 30%	270.00	0.00	270.00	Metric Tonne	0140650-84-6	Total production of this product shall not exceed 3240 MT/Annum
24	LIQUOR AMMONIA 20%	300.00	0.00	300.00	Metric Tonne	0007664-41-7	Total production of this product shall not exceed 3600 MT/Annum
25	SODIUM BISULPHITE SOLUTION 30%	620.00	0.00	620.00	Metric Tonne	0007631-90-5	Total production of this product shall not exceed 7440 MT/Annum
26	PHOSPHORUS TRICHLORIDE (PCL3) / PHOSPHOROUS OXY CHLORIDE (POCL3)	83.33	0.00	83.33	Metric Tonne	0007719-12-2	Total production of this product shall not exceed 1000 MT/Annum

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SPECIFIC CONDITIONS

1. Mother liquor 35 KLD shall be incinerated in common incinerator facility at BEIL or SEPPL or GSPL, Palsana OR send it for co-processing to cement industries.

OTHER CONDITIONS

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

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

3.Unit shall strictly follow "Fly Ash Notification" for disposal of generated ash.

3. CONDITION UNDER THE WATER ACT:

3.1 The quantity of total water consumption shall not exceed 500.00 KL/Day as per below break up as mentioned in form D submitted for consent application under the Water Act- 1974.

a) Industrial: 475.00 KL/Day
b) Domestic: 25.00 KL/Day

3.2 The quantity of total waste water generation shall not exceed 206.00 KL / Day as per below break up as mentioned in form D submitted for consent application under the Water Act- 1974.

a) Industrial: 181.00 KL/Day
b) Domestic: 25.00 KL/Day

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

Sr. No.	PARAMETERS	PERMISSIBLE LIMIT
1	Biochemical Oxygen Demand, BOD_3, 27° C	Less than 20 mg/L
2	Total Suspended Solids	Less than 30 mg/L
3	Total Residual Chlorine	Minimum 0.5 ppm

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

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

SR No.	PARAMETERS	PERMISSIBLE LIMIT
1	pH	5.5 to 8.5
2	Temperature	40 C
3	Colour (pt.co.scale)	100 units
4	Total Suspended Solids (TSS)	100 mg/L
5	Total Dissolved Solids (TDS)	2100 mg/L
6	Biochemical Oxygen Demand, BOD3, 27 C	30 mg/L
7	Chemical Oxygen Demand (COD)	100 mg/L
8	Oil and Grease	10 mg/L
9	Phenolic Compounds (as C6H5OH)	1 mg/L
10	Sulphide (as S)	0.5 mg/L

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11	Ammonical Nitrogen (as N)	50 mg/L
12	Chlorides (as Cl)	600 mg/L
13	Sulphates (as SO4)	1000 mg/L
14	Cyanide (as CN)	0.2 mg/L
15	Fluoride (as F)	1.5 mg/L
16	Insecticides/Pesticides	Absent
17	Hexavalent Chromium (as Cr+6)	0.1 mg/L
18	Total Chromium (as Cr)	2 mg/L
19	Copper (as Cu)	2 mg/L
20	Nickel (as Ni)	3 mg/L
21	Zinc (as Zn)	5 mg/L
22	Mercury (as Hg)	0.01 mg/L
23	Lead (as Pb)	0.1 mg/L
24	Arsenic (as As)	0.2 mg/L
25	Cadmium (as Cd)	2 mg/L
26	Selenium (as Se)	0.05 mg/L
27	Total heavy metal	7 mg/L
28	Bio-assay test	90 % Survival of fish after 96 hours in 100 % effluent

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

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

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

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

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

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

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

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

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

3.14 Unit shall either stop or curtail its production activities if the effluent is not adequately treated by the FETP of NCTL to conform to the standards specified by GPCB.

3.15 The authorized representative of NCTL shall have right of entry at any time for the purpose of inspection and monitoring the effluent collection facilities / ETP (if required) of Unit.

3.16 Unit shall have to keep accurate records of quality & quantity of effluent discharged to FETP on day-to-day basis. Separate logbook shall be maintained for recording the data & shall be made available for inspection as & when asked.

3.17 Unit shall keep accurate records of quantity of production of each product, quantity of water consumption ,quantity of effluent generated and consumption of electricity on day to day basis and required to submit the complied record of each month to GPCB on or before fifth day of the succeeding month.

3.18 In case of incinerators or MEE, the flow measuring devices for mother liquor/ toxic effluent / Non-biodegradable effluent, light diesel oil, Furnace oil, etc. i.e. fuel used for combustion, air used for combustion shall be separately provided. Incinerator temperature recording devices as well as gaseous flow measuring devices for scrubber shall also be provided. These data of temperature & flow should be recorded every day & submitted to GPCB on monthly basis.

3.19 Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.

3.20 Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be treated along with industrial effluent and final treated effluent shall be discharged to the CETP of NCTL.

3.21 If the NCTL authority terminates the membership of CETP, the NCTL member unit shall have to close down the manufacturing activities / industrial operation of the process plant immediately until the NCTL membership is resumed.

3.22 The Environmental Management Unit / Cell shall be setup to ensure implementation on and monitoring of environment safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell / Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issued. These Cells also coordinate the exercise of environmental audit and preparation of environmental statements.

3.23 The Environmental audit shall be carryout yearly, if applicable. The environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year.

3.24 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.

3.25 In case of change of ownership / management the name and address of the new ownership / partners/ directors/ proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form / order should immediately be intimated to this Board.

3.26 The Board reserves the right to review and/or revoke the consent and / or make modifications in the conditions which it seems fit in accordance with provisions of Water Act - 1974.

4.CONDITIONS UNDER THE AIR ACT:

SPECIFIC CONDITION

1. Unit shall operate only one boiler (i.e. NG based Boiler Maxima GT-5310 (Cap 10 TPH) OR Furnace Oil based Boiler IAC GT-4423 (Cap 10 TPH)) at a same time.

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

Sr. No.	Stack ID / Stack attached to	Capacity / Remarks	Name of Fuel	Quantity of Fuel	Air Pollution Control Measure (APCM)	Stack Height in Mt. (From G.L.)	Parameter	Perm. limit	Unit
1	95313 - Boiler	Common stack of Boiler Maxima GT-5310(Cap 10 TPH) & Boiler IAC GT-4423 (Cap 10 TPH)	NATURAL GAS	NG- 9000 M3/hr OR FO - 625 Lit/hr	Not Applicable	32	PM SO2 NOX	150 100 50	mg/Nm³ PPM PPM
2	8826 - D.G. Sets	D.G. Set Cap. 1250 KVA	H.S.D	90 Lit/hr	Not Applicable	9	PM SO2 NOX	150 100 50	mg/Nm³ PPM PPM
3	44916 - Incinerator	Incinerator for waste gases with APCM as Water + Alkali scrubber (Dhal chamber)	NOT USED/ N.A		Alkali Scrubber, Water Scrubber	45	Parameter as Mentioned Below		
4	60699 - Boiler	Boiler (Model – Tejaswee – Cap. : 18 TPH)	AGRO WASTE /BRIQUETTES	Bagasse/ Groundnut shell/ Briquettes: 2970 kg/hr	Dust Collector, Bag Filter	40	PM SO2 NOX	150 100 50	mg/Nm³ PPM PPM

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

Parameter	Emission Standard	Sampling Duration
Cd + Th + their compounds	0.05 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.
CO	100 mg/Nm3	30 Minutes
CO	50 mg/Nm3	Standard refers to daily average value
HCl	50 mg/Nm3	30 Minutes
HF	4 mg/Nm3	30 Minutes
Hg and its compounds	0.05 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.
NOX (NO and NO2 expressed as NO2)	400 mg/Nm3	30 Minutes
Particulates	50 mg/Nm3	30 Minutes
Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds	0.5 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.
SO2	200 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.
Total Organic Carbon	20 mg/Nm3	30 Minutes

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

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

Sr. No	Stack ID / Stack attached to	Name of Process / Plant	Air Pollution Control Measure (APCM)	Stack Height in Mt. (From, G.L.)	Parameter & Permissible limit
1	44914 - Reaction Vessels	Stack attached to reactor of TMP plant	Alkali Scrubber, Water Scrubber	15	Ammonia-175 mg/Nm³
2	8828 - Reaction Vessels	Stack attached to Sulphur Furnace	Alkali Scrubber, Water Scrubber	45	PM-150 mg/Nm³ SO2-40 mg/Nm³ NOX-25 mg/Nm³ HCL-20 mg/Nm³ Chlorine-09 mg/Nm³ H2S-45 mg/Nm³ CO-150 mg/Nm³
3	44915 - Reaction Vessels	Stack attached to reactor of PCL3 plant	Alkali Scrubber	15	HCL-20 mg/Nm³ Chlorine-09 mg/Nm³
4	93982 - Reaction Vessels	Stack attached to Emergency Vent of PCl3	Alkali Scrubber	15	HCL-20 mg/Nm³ Chlorine-09 mg/Nm³

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

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

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

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

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

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

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

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GPCB

GUJARAT POLLUTION CONTROL BOARD
Paryavaran Bhavan, Sector-10/A, Gandhinagar - 382010
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Website: www.gpcb.gov.in

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

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

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

5.1 Number of authorization: AWH-86147 **date of Issue** 23/05/2017 .

5.2 **M/s.** Cheminova India Ltd(Intermediate Div) is granted an authorization to operate facility for following hazardous wastes on the situated at **PLOT NO:** 27,28 **GIDC ESTATE** Panoli **DIST:** Bharuch.

Sr	Name of Hazardous Waste	Sch	Catg.	Qty MT/ Year	Facility	Mode of Disposal & Remarks
1	Process wastes or residues	I	29.1	12821.00	Co-Processing,Collection,Incineration,Disposal,Storage,Transportation	Disposal at common Incineration facilities at BEIL / SEPPL/ GSPL Palsana / RSPL/ Co-processing to cement industry
2	Process wastes or residues	I	29.1	9259.00	Co-Processing,Collection,Incineration,Disposal,Storage,Transportation	Solid Waste / Evaporation Salt - Disposal to common TSDF facility of BEIL / SEPPL/ GSPL Palsana / RSPL/ Co-processing to cement industry
3	Empty barrels/containers/ liners contaminated with hazardous chemicals /wastes	I	33.1	1943.00	Collection,Decontamination,Generation,Disposal,Reuse,Storage,Transportation	Disposal by send it to authorised recycler after decontamination within premises or reuse or send back to supplier or send to common TSDF facility of BEIL / SEPPL
4	Chemical sludge from waste water treatment	I	35.3	1800.00	Collection,Disposal,Treatment,Storage,Transportation	Disposal to common TSDF facility of BEIL / SEPPL
5	Used or Spent Oil	I	5.1	11.04	Collection,Disposal,Reuse,Storage,Transportation	Disposal by Reuse in plant & machinery as lubricant or sell it to authorized re-refiners / recycler.
6	Total Sulphur	II	B37	4320.00	Collection,Disposal,Treatment,Storage,Transportation	Recovered Sulphur: Disposal to common TSDF facility of BEIL / SEPPL

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

5.4 The authorization shall be in force for a period up to 04/03/2022.

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

6 TERMS AND CONDITIONS OF AUTHORISATION:

6.1 The authorised person shall comply with the provisions of the Environment (Protection) Act,1986, and the rules made there under.

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6.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Gujarat Pollution Control Board.

6.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.

6.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.

6.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.

6.6 The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"

6.7 It is the duty of the authorised person to take prior permission of the Gujarat Pollution Control Board to close down the facility.

6.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean - up operation.

6.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

6.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre - processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.

6.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if, any.

6.12 An application for the renewal of an authorisation shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules - 2016.

6.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

6.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

6.15 Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14th October 2003.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

D.M. Thaker 16/6

D. M. Thaker, Unit Head

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CTE Copy

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

By R.P.A.D.

Consent to Establish (NOC) - Amendment
CTE AMENDMENT NO: CTE - 98963

NO: GPCB/ANK/CCA-115(12)/ID-15016/ **DT: 30/03/2019**

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

SUB: Amendment in Consent to Establish (NOC) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981.

REF: (1) Your NOC application No. 144183 dated **05/12/2018(for CTE - Change in Product mix).**
(2) CCA No. AWH - 86147 dated :16/06/2017.
(3) CCA Amendment No. AWH -94667 dated:31/08/2018.

Sir,

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air (Prevention and Control of Pollution) 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 (NOC)** for **Change in Product Mix** in an industrial plant/activities at **PLOT NO:27,28, GIDC ESTATE PANOLI, DIST: BHARUCH** to manufacture the following products. The Validity of this order will be up to **23/01/2024.**

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

Sr. No.	Products	Quantity (MT/Annum)			Remarks
		Existing	Proposed	Total (After Change in Product Mix)	
1.	Phosphorus Trichloride (PCl3)/ Phosphoryl chloride (POCl3)	1000	-	1000	No change
2.	Tri methyl Phosphite (TMP) or Tri ethyl Phosphite (TEP)	100	-	100	No change
3.	Diethyl Thio Phosphoryl Chloride (DETPC) /Sodium salt of Diethyl Thio Phosphoryl Chloride (Na-DETA)	5330	-	5330	No change

Outward No: 500530 Date: 30/03/2019

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4.	Cyhalothrin Acid	250	-	250	No change
5.	Phosphorus Penta Sulphide (P2S5)	3400	-	3400	No change
6.	Fluindapyr (F 9990)	-	+150	150	New Product
7.	Bixlozone (F9600)	-	+960	960	New Product
8.	Acid based products [2-brornobutyric Acid (int), amino acid (int), ethyl 2-(4-hydroxy phenoxy) propionate (O-HPPA) (int), Thiocyclam (I), Bispyribac-Sodium (H), Pyrithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2- hydroxyphenyl Acetic Acid (HPAA) (int)] etc.	150	-	150	No change
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	No change
10.	Aniline group Bases products [Pendirnethalin (H), Fluazinam (F), Metalaxyl (F), Famoxadone (F)] etc.	1200	- 1200	0	Discontinue Product
11.	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	No change
12.	Azole group based	200	-	200	No change

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Outward No:50053

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	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.				
13.	Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Methyl (F)] etc.	500	-	500	No change
14.	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	No change
15.	Ether group based products [Propargite (I), oxyfluorfen (H), S- Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)] etc.	200	-	200	No change
16.	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc.	1200	-	1200	No change

Outward No:500530

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17.	Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)] etc.	5000	-	5000	No change
18.	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocct Mexyl (H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxvstrobin (F) etc	250	-	250	No change
19.	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	No change
20.	Phenol group based product [2- Cyanophenol (Int), 4-Fluro-3 trillurometh yl phenole (Int)] etc.	75	-	75	No change
	Total	**19705**	**-90**	**19615**	

2. **SPECIFIC CONDITIONS:**

a. **Total production shall not exceed 19615 MT/Annum in any case.**
b. **There shall be no change in mode of disposal of wastewater.**
c. **There shall be no change in fuel consumption, flue gas emission and process gas emission.**
d. **There shall be no change in Hazardous waste quantity / category.**
e. **Unit shall sell out their hazardous waste to authorized end-users who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized end-users and submit MoU at time of application of CCA.**
f. **All the efforts shall be made to send hazardous waste to cement industry for Co- processing first & there after it shall be disposed through other option.**
g. **Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.**

Outward No:50953 Dt:09/7/2025

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h. **There shall not be increase in pollution load due to proposed change in product mix.**
i. **There shall not be any change in plant building, equipments & machineries to manufacture the proposed new products after change in product mix.**
j. **In the case of submission of the false or misleading data, this CTE amendment will be forfeited immediately.**

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-86147, issued vide letter no. GPCB/ ANK/CCA-115(9)/ID-15016/415086, dated 16/06/2017 and further amended dated 31/08/2018** is amended and shall now be read as under.

a. Domestic: 25 KL/Day (Existing 25 KLD + Proposed Nil)
b. Industrial: 423 KL/Day (Existing 429 KLD - Proposed 6)
c. Gardening: 25 KL/Day (Existing 25 KLD + Proposed Nil)
Total: 473 KL/Day (Existing 479 KLD - Proposed 6 KLD)

3.2 The condition No. 3.1 & 3.2 for Wastewater Generation under Water Act of the CCA order No: **AWH-86147, issued vide letter no. GPCB/ ANK/CCA-115(9)/ID-15016/415086, dated 16/06/2017 and further amended dated 31/08/2018** is amended and shall now be read as under.

a. Domestic: 25 KL/Day (Existing 25 KLD + Proposed Nil)
b. Industrial: 176 KL/Day (Existing 181 KLD - Proposed 5 KLD)
Total: 201 KL/Day (Existing 206 KLD - Proposed 5 KLD)

3.3 176 KLD treated effluent shall be discharged to NCTL by underground drainage line and 25 KLD domestic sewage shall be disposed off through septic tank/soak pit system as per previous CCA conditions.

4. **All other Conditions of CCA order No: AWH-86147, issued vide letter no. GPCB/ ANK/CCA-115(9)/ID-15016/415086, dated 16/06/2017 and further amended dated 31/08/2018 shall remain unchanged.**

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(A.V.SHAH)
SR. ENVIRONMENT ENGINEER

Outward No:500530,30/03/2019

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EC to CTE

GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN
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(079) 23222152
Fax : (079) 23232156
Website : www.gpcb.gov.in

GPCB

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

Outward No:5866, 04/06/2020

- This order is issued to **27,28, , , City : Panoli, Dist : Ankleshwar, Taluka : Ankleshwar (15016)** for CTE amendment after obtaining EC.

Printed On : 03/06/2020 Page 1 of 1 GPCB ID : 15016

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

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

FMC | An Agricultural Sciences Company

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

Date – 6Th June 2022

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

PCB ID -15016

To
Member Secretory
GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAWAN
SECTOR 10 –A, GANDHINAGAR – 382010

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

RECEIVED
Gujarat Pollution Control Board,
R.O. Ankleshwar.
Date : 7.6.22

1

Cheminova India Ltd. Intermediate Division

PCB ID- 15016
Year -2021-22

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		**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**

Year -2021-22 PCB ID- 15016

PART-A

		Hazardous waste generation	Category	Quantity Generated (in MT)
1	Total Quantity of Category wise waste generated category wise	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

2

Year -2021-22 PCB ID- 15016

PART-A

		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)
2	Total Quantity of Category wise waste Disposed	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 (b) Insulation waste (c) Discarded containers/Drum/ liner	33.1	27.325 15.275 - Total Qty.=42.600		94.915	ANNEXURE- C
		4. Process waste or Residue (a) For Incineration (b) For Co-process	29.1 29.1	(a) 81.625	(b) 3017.97	Nil	ANNEXURE- D
		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

Year -2021-22 PCB ID- 15016

PART-A

		Hazardous waste	Category	Quantity (in MT)
4	Total Quantity of Category wise waste storage at the end of the year	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

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
	30-Jan-22	1532759	13.085	BEIL
Feb-22	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**	

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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
	28-May-21	1332529	1.195	BBS
Jun-21	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
Jul-21	2-Jul-21	1357190	1.280	Aras Green Environment
	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
Aug-21	9-Aug-21	1382110	1.180	Aras Green Environment
	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
Sep-21	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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PART-A

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
	28-Jun-21	000006	18.620	Eco Waste management
Jul-21	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
	29-Jul-21	000016	7.510	Eco Waste management
	31-Jul-21	1376396	8.100	Eco Waste management
Aug-21	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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PART-A

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
	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
Nov-21	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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PART-A

DETAILS OF BYPRODUCT (HAZARDOUS WASTE DISPOSED /TO END USERS)

		Hazardous waste generation	Category	Quantity Generated (in MT)
1	Total Quantity of Category wise waste generated category wise	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

		Hazardous waste generation	Category	Quantity Disposal (in MT)
2	Total Quantity of Category wise waste Disposed	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

		Hazardous waste generation	Category	Quantity (in MT)
3	Total Quantity of Category wise waste storage at the end of the year	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
May-21	3-May-21	1315205	16.525	Saga Chemie Pvt. Ltd.
	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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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
Dec-21	4-Dec-21	1472228	17.670	Rang Chemicals
	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
	30-Dec-21	1500276	16.770	Rang Chemicals
Jan-22	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
	29-Jan-22	1531857	18.395	Dhruv Sales Corporation
	31-Jan-22	1534454	22.325	Saga Chemie Pvt Ltd
Feb-22	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
Jul-21	06-Jul-21	1359242	18.790	Rahul Intermediates
	07-Jul-21	1360770	23.820	Rahul Intermediates
	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
	27-Nov-21	1465818	19.575	Rahul Intermediates
Dec-21	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
Feb-22	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
	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
Mar-22	3-Mar-22	1567748	27.300	Shreeji Industries
	5-Mar-22	1570843	27.081	Shreeji Industries
	7-Mar-22	1572775	27.970	Shreeji Industries
	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 Chemica's
	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
	31-May-21	1334582	10.000	Shalibhadra Intermediates Pvt.Ltd
Jun-21	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	

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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
Jul-21	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
	28-Jul-21	1374578	25.205	Jay Industries
	31-Jul-21	1376564	25.150	Jay Industries
Aug-21	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 Indutries
	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	

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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

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Annexure 5 -ENVIRONMENTAL STATEMENT – FORM V (2020 – 2021)

FMC | An Agricultural Sciences Company

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

Ref No. CIL/ INTER/Form -V/2020-21/09/05/20

ID: 15016

Date: 5Th September 2021

To

The Member Secretary

Gujarat Pollution Control Board,

Paryavaran Bhawan, Sector-10-A,

Ghandhinagar-382010

SUB: - Submission of Environment Statement (FORM-V) for the Year 2020-21

Respected Sir,

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

.

Please acknowledge the same.

This is for your kind perusal please

Thanking you,

Yours faithfully,

Cheminova India Limited. Panoli.
Intermediate Division

Enclosures: Form —V

CC To: Regional Officer, GPCB, Ankleshwar.

RECEIVED
Gujarat Pollution Control Board,
R.O. Ankleshwar
Date : 5/9/21

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

FORM - V
(See Rule 14)

From :

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

To:

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

Environmental Statement for the financial year ending the 31st March, 2021

PART -A

i) Name & address of the Owner/Occupier of the industry, operation or process	-	**Mr.Manoj Khanna** CHEMINOVA INDIA LTD. Intermediate Division Plot no (27+28)/A GIDC Panoli,Tal Ankleshwar Dist Bharuch
ii) Industry category Primary :- (STC Code) Secondary:- (SIC Code)	-	LSI Not Applicable Not Applicable
iii) Production capacity:- Units	-	ANNEXURE-1
iv) Year of establishment	-	1998
v) Date of the last environmental statement submitted	-	5Th September 2020

PART -B

Water & Raw Material Consumption

i) Water consumption - M^3/day		360	m3/day
Process	-	136	m3/day
Cooling	-	186	m3/day
Domestic	-	25	m3/day
Gardening	.-	13	m3/day

Name of products	Process water consumption per product output **(Lit./ Kg)**	
	During the previous financial year 2019-2020 (1)	During the current financial year 2020-2021 (2)
(1) Diethyl Thio Phosphoryl Chloride	11.00	9.10
(2)Azole group based products (Florasulam)	55.00	54.00
(4)Bixlozone (F-9600)	12.00	9.50

ii) Raw Material consumption

	* Name of raw materials	Name of Products	Consumption of raw material per unit of output	
			During the previous financial year 2019-2020	During the Current financial year 2020-2021
1	Phosphorous	DETPC	0.192	0.1994
2	Sulphur		0.494	0.5093
3	Ethanol		0.806	0.7906
4	Caustic lye		0.282	0.1198
5	Chlorine		0.508	0.4920
6	Soda Ash		0.212	0.2252

CHEMINOVA INDIA LIMITED PANOLI

b) Air		TPD	mg/Nm³	
Sulphur Furnace				
	SPM	0.0044	40.50	.--
	SOx	0.0020	18.667	.--
	NOx	0.0018	16.33	.--
	Cl2	BDL	0.188	.--
	HCl	BDL	0.217	.--
	CO	0.0012	11.000	.--
Vent Incinerator				
	SPM	0.0068	36.92	.--
	SOx	0.0053	28.583	.--
	NOx	0.0033	17.67	.--
	Cl2	BDL	0.86	.--
	HCl	BDL	0.30	.--
	CO	0.0026	13.917	.--
Boiler				
	SPM	0.060	70.58 mg/nm3	.--
	SOx	0.018	21.08 ppm	.--
	NOx	0.023	26.58 ppm	.--

PART-D

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

Hazardous wastes		Total Quantity (kg)	
		During the previous financial year 2019-2020	During the current financial year 2020-2021
a) From Process			
Category	**Type of Waste**		
	(1)Recovered Sulphur	24415	11615
	(2)Used Oil	460	950
	(3) Evaporation Salt	0	0
	(4) Non Recyclable Plastic	25730	26015
	& Insulation Waste		0
	(5) Incineration Waste	13415	314425
	& Co Processing	255580	206430
	(6) Asbestous Sheet	10760	6860
b) From Pollution Control facilities		0	0
	ETP Sludge	1289000	1147975
By products	**Sodium Hydro sulfide 30%**	2441061	2748190
	Hydrochloric Acid 30%	3230880	3564520
	Phosphoric Acid	490140	566165
	Sodium Bisulphite Powder	1012720	1165560
	Sodium Sulphite 30%	264565	0
	Sodium Bisulphite Solution (30%)	2890855	3501685

PART -E
Solid Wastes

	Total Quantity in Kgs	
	During the previous financial year 2019-2020	During the current financial year 2020-2021
a) From Process	Nil	Nil
b) From Pollution Control facilities	Nil	Nil
c) 1) Quantity recycled or re-utilized within the unit	Nil	Nil
2) Sold		
Discarded Container / Drum Cut sheet	Nil	92950
3)Disposed	Nil	Nil

CHEMINOVA INDIA LIMITED PANOLI INTERMEDIATE DIVISION

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) Procurement of Non- Conventional Energy - Solar Power from suplier is continued and aggrement is made to have Sustainable
(2) DCS Facility provided for the Production of Bixalozone .
(3) Additional meters are provided for individual effluent inlet streams to ETP to mintor the income effluent.

PART -H

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

ontinuous improvement is brought in as a part of the Environment Management System by undertaking objectives and targets for resource conservation.
Continuous improvement is brought in as a part of the Environment Management System by undertaking objectives and targets for resource conservation

PART - I

Any other particulars for improving the quality of the environment.

'(1) Retrofitting of Aeartion Tank -3 has been done after its claening to have effective working volume
(2) Facility has been developed for storage and segregation of hazardous waste in Hazardous waste storage area

Date: 5-Sep-21

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

Name: Anil N Shah

Designation: Factory Manager

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

ANNEXURE –1

PRODUCTION CAPACITY (MT / YEAR)

Sr. No.	Products	Total Capacity (MT/Annum)
1	Phosphorus Trichloride (PCl_3)	1000
2	Trimethyl Phosphite (TMP) or Triethyl Phosphite (TEP)	100
3	Diethyl Thio Phosphoryl Chloride (DETPC)/DETA/NaDETA	5330
4	Cyhalothrin Acid	250
5	Phosphorus Penta Sulphide (P_2S_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), Pyrithiobac-Sodium(H), Methoxy Amine Hydrochloride (int), 2-hydroxyphenyl Acetic Acid (HPAA) (int)]etc.	150
9	Amide group based products [Pretilachlor (H), Captan (F), Cymoxanil (F), Beflubutamide (H), Pethoxamide (H), Carboxin (F), Flubendamide (I), Chlorantraniliprole (I), Thiaflusamide (F), Zoxamide (F),Flufenacet (H),2 Aminosulfonyl – N-N- Dimethylnicotinamide (SNA) (Int), 2-(Methoxycarbonyl) thiophene thiophene-3 Sulfonamide (MST) (Int)] etc.	150
10	Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Arnitraz (I), Indoxacarb (I), Clofentezine (I), 2 Methoxy -4-Methyl-6-Methylamino-I,3,5-Triazine (MMMT) (Int)] etc.	300
11	Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazo[e (F), Tricydazole (F), Myclobutanil (F), Florasulam (H), Tebuconazole (F), Flusilazole (F), Tebuconazole (F), Tridemefon, Paclobutrazol (F), Thiamethoxam (I), Flutriafol (F), (Safener Isoxadifen ethyl (Int), Irnidacloprid (I), 2, 6 DiChloroBenzoxazolone (Int), Penoxasulam (H)] etc.	200
12	Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Methyl (F)] etc.	500
13	Ester group based products [Fenoxaprop-p-Et (H), Clodinafop-Pr (H), Quizolfop-p-ethyl (H), Quinzolfopp-terfuryl (H),Cyhalofop (H), Isoprothiolane (F),Alphamethrin (I), Lambda Cyhaothrin (I), Cypermethrin)I),Bifenazate (I), Phthalide (Int],etc.	300
14	Ether group based products [Propargite (I), oxyfluorfen (H), 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 intermidiate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)]etc.	5000
17	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocct Mexyl (H), Acetamiprid (I), 4,6-DiChloro Pyridine (Int)], Azoxvstrobin (F) etc.	250
18	Urea group based product [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
19	Phenol group based product [2-Cyanophenol (Int), 4- Fluro-3 trilluromethyl phenole (Int)]etc.	75

CHEMINOVA INDIA LIMITED PANOLI

ANNEXURE -2

CHARACTERISATION OF HAZARDOUS WASTE

SR. NO.	NAME	PHYSICAL FORM	WASTE CATEGORY No.	SP. GR.	% SOLIDS	CHEMICAL COMPOSITION	METHOD OF DESPOSAL
1	ETP SLUDGE	Solid	34.3	-------	85	CaO - 55 % P2O5 - 15 % S1O2 - 5 % Water - 15 % Other CaSalts - 10 %	Disposal to Common TSDF facility of M/s. BEIL, Ankleshwar & M/s. SEPPIL
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 Traders. Bags/Liners disposed to Common TSDF facility of M/s. BEIL & 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
6	SOLID WASTE (EVAPORATION SALT)	Solid	29.1	------	------	Mostly In-Organic compound	Disposal to Common TSDF facility of M/s. BEIL, Ankleshwar & M/s. SEPPIL
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

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