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Cheminova India Limited
Intermediate Division
(27+28)/A, GIDC Estate,
Panoli - 394 116
Dist. Bharuch (Gujarat)
India.

Phone : +91 9033978622-26
fmc.com / fmc.in
CIN NO. U24100MH1986PLC038627

Date: 01-12-2020

Ref.: SGEPL/CIL-I/ECComp/02/2020

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

Kind Attn.: Mr. H.V.C. Chary Guntupalli

Sub: Submission of Compliance Report of M/s. Cheminova India Limited (Intermediate Division) for our EC No. IA-J-11011/53/2018-IA-II (I), dated 31/12/2019 for the period of February 2020 to November 2020

Respected Sir,

In accordance to the condition specified in our EC, we hereby submit duly filled datasheet for monthly Monitoring report (February 2020 to November 2020) for implementation of stipulated conditions of our EC together with point wise compliance status of various stipulations.

We hereby submit the duly filled datasheet as per data for the period of February 2020 to November 2020.

Following are the Annexures to this report:

Annexure No.	Annexure Details
A	Monitoring report data sheet
1.	Compliance report of EC
2.	Compliance report of CC&A/CTO Amendment
3.	Copy of existing EC and CC&A/CTO
4.	Annual return- Form-4 (2019-2020)
5.	Environmental statement- Form V (2019-2020)

Please find the above in order and acknowledge receipt.

Thanking You,

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

Authorized Signatory

Copy to:

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

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

EC COMPLIANCE REPORT

(February 2020 to November 2020)

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

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A - Monitoring Report - DATA SHEET

Monitoring the Implementation of Environmental Safeguards
Ministry of environment & Forests
Regional Office (W), Bhopal
Monitoring Reports
PART - 1

No. SC/Cheminova-Int/ EC-Datasheet/02-2020			
1	Project Type : River-Valley / Mining Industry / Thermal / Nuclear / other (Specify}	:	Pesticides Industry and Pesticide 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.) Proper signboards to be provided at relevant places.) All the necessary regulatory procedures as per the	)Appropriate storage and handling arrangements for all the hazardous waste are provided as per the conditions specified in the authorization granted by GPCB.)Signboards are provided at relevant places.)Unit is following all the applicable regulatory

	amended Hazardous Waste Management & Handling Rules – 2003 to be followed and adhered with. The transportation of hazardous waste to the TSDF Site to be as per the guidelines and accompanied with Form-9. Monthly records of generation, storage and disposal of hazardous waste should be maintained in a record register as per the format of Form-3 as per amended Hazardous Waste rules – 2003 and annual returns of disposal to be submitted to SPCB in prescribed form – 4 and form – 13.	procedures as per the amended Hazardous Waste Management & Handling Rules – 2016. Unit is following guidelines for transportation of hazardous waste to all the TSDF & CHWIF and is accompanied with form-9. Monthly records of generation, storage and disposal of hazardous waste are maintained in a record register as per the format of Form-3 as per amended Hazardous Waste rules – 2003 and annual returns of disposal of all the hazardous waste are submitted to GPCB in prescribed forms – 4 and form – 13.

Note: Environment Statement – Form V (Financial year - 2019-2020) is attached as Annexure-4.

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

Production Details	
Month	Quantity (MTM)
February 2020	354.678
March 2020	330.753
April 2020	359.500
May 2020	354.300
June 2020	457.550
July 2020	474.520
August 2020	482.000
September 2020	522.760
October 2020	513.085
November 2020	574.100

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	:	--
	f] Actual expenditure incurred on the Environmental Management Plan so far		--
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 planning work is initiated
	a]. Date of commencement (Actual and / or Planned).	:	Planned to start in Quarter-1 2021
	b]. Date of completion (Actual and / or Planned)	:	Based on the commissioning of project within Five years.
14	Reasons for the delay if the project is yet to start	:	Not applicable
15	Dates of site visits		
	a]. The dates on which the project was monitored by the Regional Office on Previous occasions, if any	:	--
	b]. Date of site visit for this monitoring project	:	19/05/2020
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 sqm 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),</td><td>200</td><td>--</td><td>200</td></tr>
</table></td><td>Noted. Unit shall follow the given condition and shall manufacture these products only after obtaining CTO amendment from GPCB.</td></tr>
</table>

Sr. No.	Conditions					Compliance Status
		Penoxasulam (H)] etc.				
	11.	Carbamate Group Based Product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap Hydrochloride (I), Thiophanate Methyl (F)] etc.	500	--	500	
	12.	Ester group based products [Fenoxaprop-p-Et (H), Clodinafop-Pr (H), Quizolfop-p-ethyl (H), Quinzolfop-p-terfuryl (H), Cyhalofop (H), Isoprothiolane (F), Alphamethrin (I), Lambda Cyhaothrin (I), Cypermethrin (I), Bifenazate (I), Phthalide (Int) etc.	300	--	300	
	13.	Ether group based products [Propargite (I), oxyfiuorfen (H), 2 Ethoxy Ethyl Amine (Int), S- Cyano MPB (Int)] etc.	200	--	200	
	14.	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxanutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)] etc.	1200	--	1200	
	15.	Phosphate group based product [Chlorpyrifos (I) or its intermidiate Na-TCP (Int), Acephate (I), Monocrotophos (I) or its intermediates MCMMAA (Int.), Dimethoate (I), Profenofos (I), Ethephon (PGR)] etc.	5000	--	5000	
	16.	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) CloquintocctMexyl (H), Acetamiprid (I), 4, 6-DiChloro Pyridine (Int)], Azoxvstrobin (F) etc	250	--	250	
	17.	Urea group based product [Buprofezin (I), Lufenuron (I), Linuron (H), Diafenthiuron (I), Diuron (H), Novaluron (I), Chlorimuron (int), Hexythiazox (I), Spiromesifen (I), Azimsulfuron (H) ,Sulfonyl Ureas (H)] etc.	100	--	100	
	18.	Phenol group based product [2- Cyanophenol (Int), 4- Fluro-3 trilluromethylphenole (Int)] etc.	75	---	75	
	19.	Sulfentrazone	---	2000	2000	
	20.	F-9600 (2-(2,4-Dichlorobenzyl)-4,4-Dimethylizoxazolidin-3one)/Bixlozone	---	4200	4200	
	21.	F 9990 (Fluindapyr)	---	1200	1200	
	22.	Malathion	---	10000	10000	
	23.	F-4050 (2-(4-Fluoro-3-(Trifluoromethyl)Phenoxy)-N-Benzylbutanamide	---	1500	1500	
	24.	Beflubutamide	---	450	450	
	25.	Gamma Cyhalothrin	---	300	300	
	26.	Bifenthrin	---	300	300	
	27.	Clomazone	---	2000	2000	
	28.	FMC-57091 (4,4-Dimethyl Isoxazolidin-3-One)/(Isoxazolidinone)	---	2600	2600	
	29.	Thifensulfuron Methyl	---	205	205	
	30.	Tribenuron Methyl	---	215	215	
	31.	Metsulfuron Methyl	---	200	200	

Sr. No.	Conditions	Compliance Status
	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.	Noted. The condition mentioned beside will be followed.
5.	There are no National parks, Wildlife sanctuaries, Biosphere, Reserves, Tiger/Elephant Reserves, and Wildlife Corridors etc. within 10 km from the project site. Ukai canal flows at a distance of 1.66 km in west direction.	Noted.
6.	Total water requirement is estimated to be 1351 cum/day, which includes fresh water requirement of 764 cum/day, proposed to be met from GIDC supply.	Unit shall follow the given condition.
	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.	Presently treated effluent is discharged into underground conveyance pipeline connected to FETP of M/s. Narmada Clean Tech (NCT). Unit shall ensure zero liquid discharge after obtaining the CTO Amendment
	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.	Unit shall follow the given condition.
	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.	Unit shall follow the given condition.
7.	The project/activities are covered under category A of item 5(b) 'Pesticides industry and Pesticide specific intermediates' of the Schedule to the Environment Impact Assessment Notification, 2006, and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.	Noted and complied
8.	Standard terms of reference (ToR) for the project were granted on 23rd March, 2018. Public hearing is exempted in accordance with the Ministry's OM dated 27th April 2018, as the project site is located in the notified industrial area.	Noted.
9.	The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 8-9th April, 2019 and 26-28 June, 2019 in the Ministry, wherein the project proponent and their accredited consultant M/s. Siddhi Green Excellence Pvt. Ltd presented the EIA/EMP report complying with the terms and conditions of the ToR, and recommended the proposal for environmental clearance to the project with certain conditions.	Noted. Unit shall adhere and comply to all the given conditions

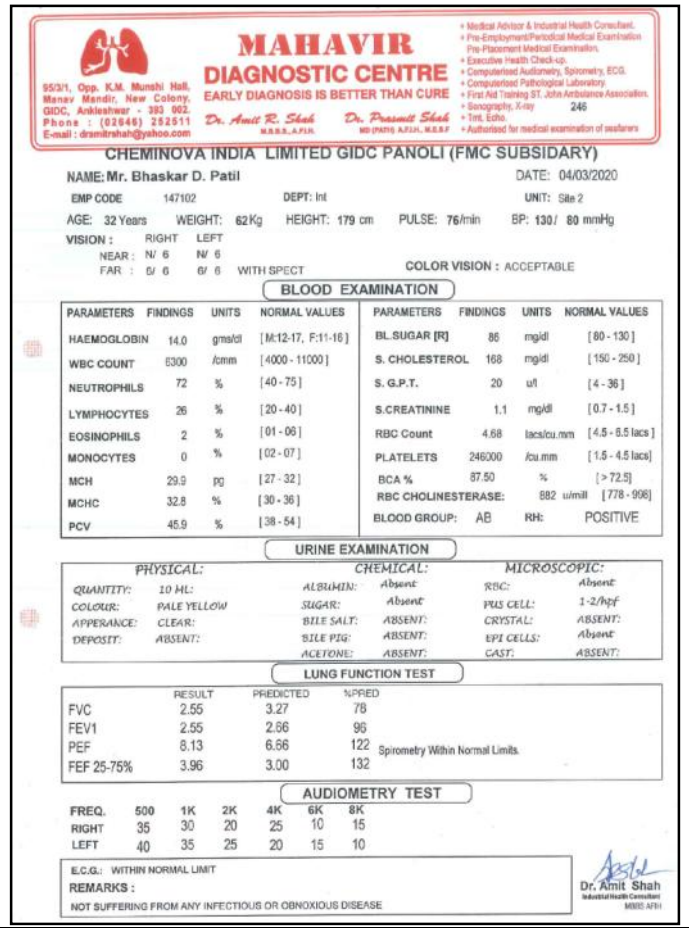
Sr. No.	Conditions	Compliance Status
10.	The proposal was further examined in the Ministry in accordance with the Ministry's Office Memorandum dated 31st October 2019 and Ministry's communication dated 24th October 2019 regarding compliance of Hon'ble NGT order dated 19.8.2019 (published on 23.8.2019) in OA No. 1038/2018.	Noted.
11.	Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for Expansion of Pesticides and Pesticide Specific Intermediates from 19705 TPA to 47681 TPA by M/s. Cheminova India Limited (Intermediate Division) at Plot No.(27+28)/A, GIDC Industrial Estate, Panoli, Taluka Ankleshwar, District Bharuch (Gujarat), under the provisions of the EIA Notification, 2006, read with subsequent amendments therein, subject to compliance of the terms and conditions as environmental safeguards, as under:-	Noted.
	(i) Consent to Establish/Operate (CTE/CTO) for the project shall be obtained from the State Pollution Control Board (SPCB) as required under the Air (Prevention and Control of Pollution)Act, 1981 and the water (Prevention and Control of Pollution) Act, 1974, and the SPCB shall follow the mechanism/protocol issued by the Ministry vide letter no. Q-16017/38/2018-CPA dated 24th October, 2019 and forwarded by Central Pollution Control Board vide letter dated 25th October, 2019 to the SPCB's while issuing the CTE/CTO for the project, for improvement of environmental quality in the area.	Consent to Establish has obtained via out ward No. 15866 dated 4th June 2020.
	(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 shall follow the given condition.
	(iii) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Unit shall follow the given condition.
	(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.	Unit shall follow the given condition.
	(v) No pesticides/chemicals banned by the Ministry of agriculture and Farmers welfare, or having LD_{50}<100 mg/kg shall be produced. Also, no raw material/solvent prohibited by the concerned regulatory authorities from time to time, shall be used for production of pesticides.	Unit commits that No pesticides/chemicals banned by the Ministry of agriculture and Farmers welfare, or having LD_{50}<100 mg/kg shall be produced and no prohibited raw material/solvent shall be used for production.
	(vi) To control source and the fugitive emissions (at 99.98%), suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Unit shall follow the given condition.
	(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.	All requirements shall be ensured, fulfilled and taken care during execution of project

Sr. No.	Conditions	Compliance Status
	(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 excess 764 cum/day to be met from GIDC water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.	Unit shall follow the given condition.
	(ix) Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system	Well structured storm water drainage network is already available at site.
	(x) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and solvent transfer through pumps.	Unit shall follow the given condition.
	(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.	Unit shall follow the given condition.
	(xii) The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act, 1989.	Unit shall follow the given condition.
	(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.	Unit shall follow the given condition.
	(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 premises which is in progress in GIDC and total green belt area will be 40 % .
	(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. Five year Plan for CER is attached below:

YEAR	SR	Description	Location	Estimated Amount per activity Rs. crore	Year Wise Total Rs. crore
2021	1	Contribution for Ground water recharging programme of Gujarat Govt.	Bharuch district	1	5.1
	2	Green belt development in surrounding villages and in GIDC Panoli Area	Surrounding village area and GIDC area	0.8	
	3	Providing toilets to surrounding villages and community in GIDC estate, Panoli.	Surrounding village area and GIDC area	1.5	
		Training to farmers for environment friendly use of pesticides and herbicides	various Marketing depot in India	1.5	

Sr. No.	Conditions			Compliance Status		
		4	Medical camp in nearby villages	Kharod, Sanjali, umarvada, panoli	0.3	
	2022	5	Donation to Government environmental improvement programme	Ankleshwar Area	0.5	7.8
		6	Training to farmers for environment friendly use of pesticides and herbicides	Gujarat Region Sales depot area	1.2	
		7	Rain water Harvesting scheme implementation in GIDC and surrounding villages	Nearby villages of GIDC	2	
		8	Providing LED street light facility in surrounding village area for energy saving	Nearby villages of GIDC	1.8	
		9	Medical Camp and providing medical aids to surrounding villages hospitals.	Nearby villages of GIDC	0.8	
		10	Housekeeping and environmental improvement awareness to surroundings area locality including training, awareness program, prize distribution for clean villages practices, etc	Nearby villages of GIDC and Ankleshwar area	1.5	
	2023	11	Distribution of waste bean/dust bean to nearby villages and GIDC area under "Swachhta Abhiyan"	Nearby villages of Ankleshwar	0.5	8.2
		12	Providing portable toilets at slum area of villages and town of Ankleshwar	Kharod, Sanjali, umarvada, panoli, Ankleshwar	1.2	
		13	Rain water Harvesting scheme implementation in GIDC and surrounding villages	Nearby villages	1.5	
		14	Providing LED street light facility in surrounding village area for energy saving	Kharod, Sanjali, Umarvada, panoli, Ankleshwar	2	
		15	Medical Camp and providing medical aids to surrounding villages hospitals.	Nearby hospitals in Ankleshwar area	0.5	
		16	Solar and other Energy saving programs at nearby villages	Nearby villages of Ankleshwar	2.5	
	2024	17	Environmental improvement programme like waste disposal in villages, sewage treatments, Biogas plants,	Nearby villages of Ankleshwar and GIDC area	2.2	7
		18	Providing bore well and other drinking water facility to nearby villages and slum area as per requirements	Kharod, Sanjali, umarvada, panoli	1.8	
		19	Agriculture development program for farmers at nearby villages for safe and efficient usage of farming techniques	Various Marketing depot in india	0.5	
		20	Medical Camp and providing medical aids to surrounding villages hospitals.	Nearby villages of Ankleshwar and GIDC area	0.5	
		21	Solar and other Energy saving programs at nearby villages	Nearby villages of Ankleshwar and GIDC area	2	
	2025	22	GIDC area common welfare program like ground water recharge program , green belt developments, health programs for workers, farmers, etc	Panoli GIDC	1.5	11.5
		23	Providing portable toilets at slum area of villages and town	Ankleshwar district	2.5	
		24	Solar and other Energy saving programs at nearby villages	Nearby villages	2	
		25	Tree plantation program including providing Tree guards, saplings to nearby villages for plantation and to give motivation by giving prizes to the villages	Ankleshwar district	0.5	
		26	Storm water drainage system improvement in villages of Bharuch district	Nearby villages of GIDC and sites	2.5	
		27	Contribution to Government environmental improvement programs	Bharuch district	2.5	
						39.6
	(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		
	(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.	Unit shall follow the given condition.		

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 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 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:

Sr. No.	Conditions	Compliance Status
		
	(xx) Continuous online (24×7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	Unit shall follow the given condition.
	(xxi) Mitigation measures suggested during process safety and risk assessment studies shall be undertaken accordingly.	Unit shall follow the given condition.
11.1	The grant of environmental clearance is subject to compliance of other general conditions, as under:-	Noted

Sr. No.	Conditions	Compliance Status
	(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 shall follow the given condition.
	(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 shall follow 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 GPCB recognized Schedule I Environment Auditor- Quarterly & by Third party recognized laboratory-Monthly
	(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.	Unit shall follow the given condition.
	(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Unit complies with the given condition. And same shall be continued after the proposed expansion.
	(viii) The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Unit shall follow the given condition.
	(ix) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.	Unit shall follow the given condition.
	(x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Unit shall follow the given condition.
	(xi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the state Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Unit commits that funds earmarked for environment management/ pollution control measures shall not be diverted for any other purpose
	(xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received	Complied.

Sr. No.	Conditions	Compliance Status
	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 reports shall be posted on the website of the company.	Unit is complying with the given condition.
	(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-6.
	(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. કેમિનોવા 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 કમાંક IA-J-11011/53/2018-IA-II(I)] ઈ.આઈ.એ. નોટિફીકેશન તારીખ ૧૪ સપ્ટેમ્બર ૨૦૦૬ની જોગવાઈ હેઠળ આપેલ છે. પર્યાવરણીય મંજૂરીના પત્રની નકલ MoEF&CC (PARIVESH) ની વેબસાઈટ (http://moef.nic.in) ઉપર ઉપલબ્ધ છે. તારીખઃ ૦૮/૦૧/૨૦૨૦ સહીઃ--	
	(xvi) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted.
12.	The ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted and agreed.
13.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above	Noted.

Sr. No.	Conditions	Compliance Status
	may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	
14.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	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 issues with approval of the competent authority.	Noted.

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

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
12.	Azole group based products [Fipronil (I), Hexaconazole (F), Propiconazole (F), Difenoconazole (F), Tricydazole (F), Myclobutanil (F),	200	--	200	No Change

Production Details	
Month	Quantity (MTM)
February 2020	354.678
March 2020	330.753
April 2020	359.500
May 2020	354.300
June 2020	457.550
July 2020	474.520
August 2020	482.000
September 2020	522.760
October 2020	513.085
November 2020	354.678

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
		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.					
	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), lmazethapyr (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
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						The hazardous waste is sold to authorized end-

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Sr. No.	Consent Condition Requirement	Compliance Status
	receive this waste. Unit shall make MoU with such authorized end-users and submit MoU at time of application of CCA.	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) d) Total: 473 KL/Day (Existing 479 KLD - Proposed 6 KLD)	Complied. Water consumption is well within limits as per the condition. Water consumption details for period February 2020 to November 2020 is given below:

Details of Water Consumption	
Month	KL/Month
February 2020	10622
March 2020	8834
April 2020	9595
May 2020	9954

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Sr. No.	Consent Condition Requirement	Compliance Status
		June 2020: 9486 July 2020: 9786 August 2020: 9823 September 2020: 10321 October 2020: 10974 November 2020: 11987
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: 104.4 KL/Day (Existing 206 KLD - Proposed 5 KLD)	Complied. Details of Wastewater Generation (KL/Month) Month (KL/Month) February 2020: 4414 March 2020: 3356 April 2020: 3540 May 2020: 4664 June 2020: 4372 July 2020: 4708 August 2020: 5076 September 2020: 3165 October 2020: 5082 November 2020: 3667
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.	Complied. Treated effluent is discharged to NCTL by underground drainage line as per previous CCA conditions.
3.4	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	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
	conveyed to FETP (NCTL).	
3.5	The quality of industrial effluent shall conform to the following standards (as per GPCB norms, whichever is applicable.	Complied. Photographs of waste water analysis reports of October 2020 is attached below:

Sr no.	PARAMETERS	PERMISSIBLE LIMIT
1	pH	6.5 to 8.5
2	Temperature	40°C
3	Colour (pt.co.scale)	100 units
4	Total Suspended solids (TSS)	150 mg/l
5	Total Dissolved Solids	10000 mg/l
6	Biochemical Oxygen Demand, BOD_3, 27°C	200 mg/l
7	Chemical Oxygen Demand (COD)	1000 mg/l
8	Oil and Grease	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
14	Chlorides (as Cl)	1000 mg/l
15	Sulphates (as SO_4)	1000 mg/l
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

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
	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	

Siddhi Green Excellence PRIVATE LIMITED

TEST REPORT

REPORT NO. :SC/CIL/D/WW/OCT/2020/D4 — Date of Issue :31-10-2020 — TC-5007

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	26-10-2020
Sample ID	16677-WW-01, M-3637A-WW-01**	Date of Receipt	26-10-2020
Sample Qty. & Packing	2 L & Sealed, 20 L & Sealed**	Date of Analysis start	27-10-2020
Sampled by	Mr. Dilip	Date of Completion	31-10-2020
Sampling Location	ETP Outlet		

Sampling Plan & Sampling Method Used : Lab document SC/LAB/01 (Issue No. : 01 Issue Date : 01-08-2018 Revision No:00)

SR.NO.	PARAMETERS	UNIT	TEST METHOD	PERMISSIBLE LIMITS(NOTE-2)	RESULTS Sample 1
1.	pH	-	IS 3025(Part11):1983,RA2017	6.5 - 8.5	8.02@ 26.0 °C
2.	Temperature	°C	APHA 23rd ed.2550 B	40	27
3.	Colour	pt/co.	APHA 23rd ed.2120B	100	30
4.	Total Suspended Solids	mg/L	APHA 23rd ed. 2540 D	150	30
5.	Oil and Grease	mg/L	IS 3025(Part 39):1991,clause 5,RA 2014	10	BDL
6.	Fluorides	mg/L	APHA 23rd ed.4500F D	15	0.7
7.	Sulphides	mg/L	APHA 23rd ed.4500S2- F	5	3.9
8.	Ammoniacal Nitrogen	mg/L	APHA 23rd ed. 4500 NH3 C	50	BDL
9.	Total Kjeldahl Nitrogen	mg/L	APHA 23rd ed. 4500-N org B	50	10
10.	Sulphate	mg/L	APHA 23rd ed. 4500 E	1000	837
11.	Phosphate	mg/L	APHA 23rd ed. 4500 P-C	5	2.5
12.	Chloride	mg/L	APHA 23rd ed. 4500 B	1000	928
13.	Total Dissolved Solids	mg/L	APHA 23rd ed. 2540 C	10000	9515
14.	Copper	mg/L	APHA 23rd ed. 3111 B	3	BDL
15.	Zinc	mg/L	APHA 23rd ed. 3111 B	15	BDL
16.	BOD (3 days at 27 °C)	mg/L	IS 3025(Part 44) 1993, RA2014	200	52
17.	COD	mg/L	IS 3025(Part 58) 2006, RA2017	1000	208
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. 3500Cr- 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) 2003,RA2014	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	0.1

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: Mrs. Fatema M. Jadliwala (Technical Manager)

Authorized Signatory: Mrs. Kunjal P. Shah (Quality Manager) / Mr. Praveen M. Shah (CEO & MD)

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, 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-01 Issue No. : 02 Issue Date : 31-01-2019 Revision No. : 02 Revision Date : 30-06-2020 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-3/9, 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/CIL/D/WW/OCT/2020/D4 — Date of Issue :31-10-2020

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	26-10-2020
Sample ID	16677-WW-01, M-3637A-WW-01**	Date of Receipt	26-10-2020
Sample Qty. & Packing	2 L & Sealed, 20 L & Sealed**	Date of Analysis start	27-10-2020
Sampled by	Mr. Dilip	Date of Completion	31-10-2020
Sampling Location	ETP Outlet		

Sampling Plan & Sampling Method Used : Lab document SC/LAB/01 (Issue No. : 01 Issue Date : 01-08-2018 Revision No:00)

SR.NO.	PARAMETERS	UNIT	TEST METHOD	PERMISSIBLE LIMITS(NOTE-2)	RESULTS Sample 1
1	Pesticides	-	APHA 23rd ed.6630	Absent	Absent
2	Vanadium	mg/L	APHA 23rd ed.	0.2	BDL
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	Pass

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: Mrs. Fatema M. Jadliwala (Technical Manager)

Authorized Signatory: Mrs. Kunjal P. Shah (Quality Manager) / Mr. Praveen M. Shah (CEO & MD)

Notes : 1. Test results shall be referred to the tested sample(s) only and applicable parameter(s) only.
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*** End of Report ***

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

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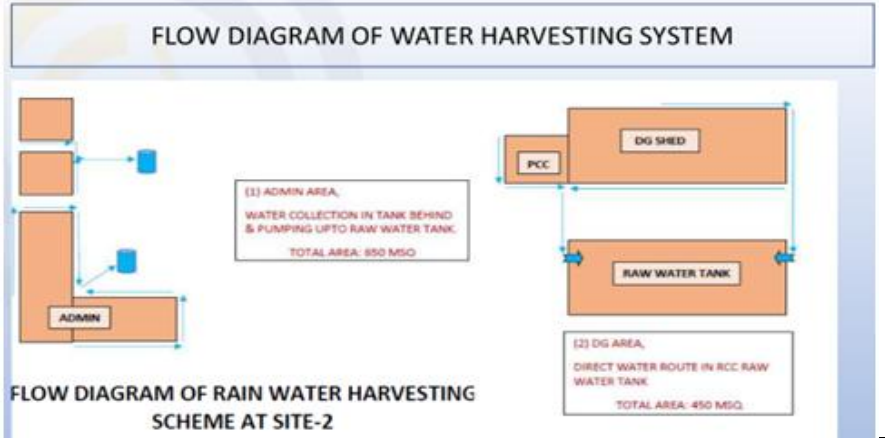
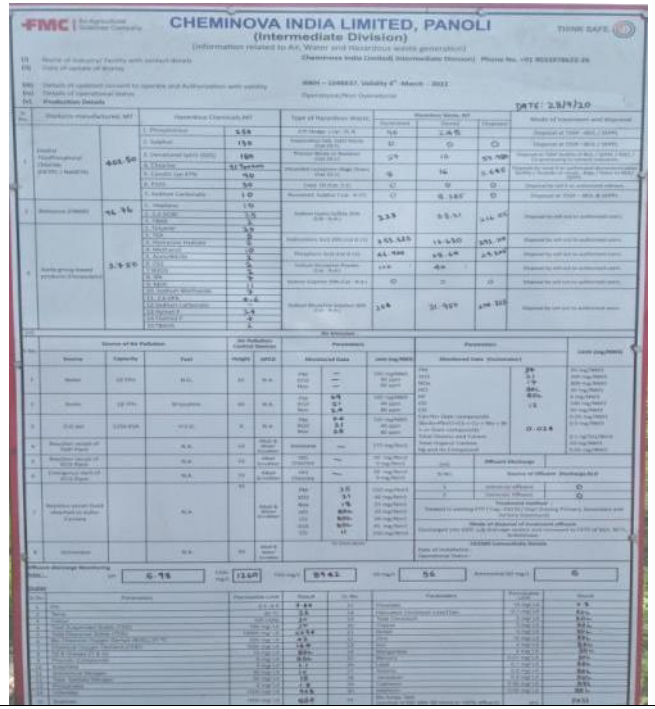
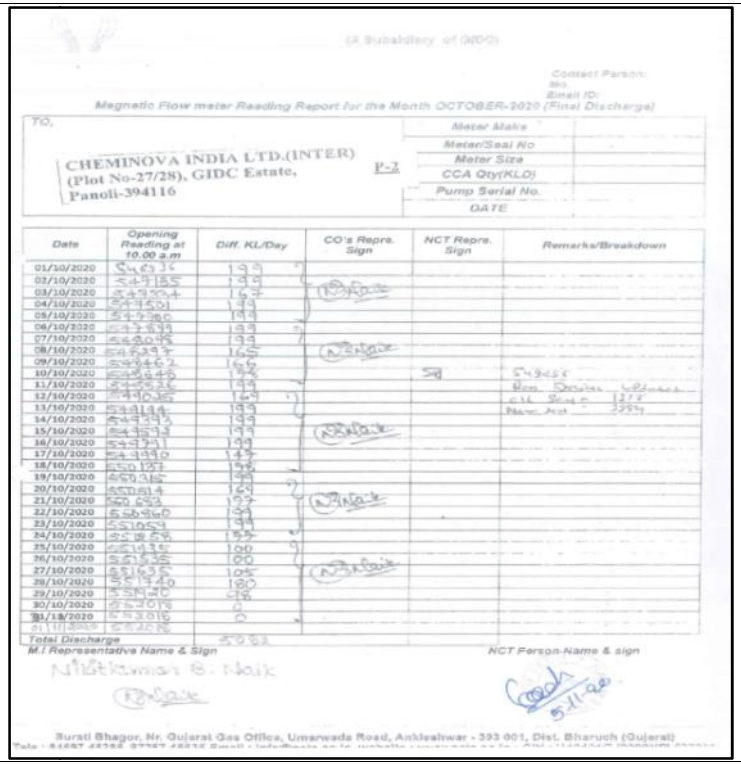
CCA No: AWH-86147, Date of issue-23rd-May-2017 and valid up to 4th-March-2022, CCA amendment dated 09/08/2017 having CTO no.: GPCB/ANK/CCA-115/ID-15016/419703, CCA amendment no.: AWH-94667 dated 31/08/2018, CCA amendment order no.: AWH-104863 issued vide letter no. GPCB/ANK/CCA-115 (13) ID-15016/529725, 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 install. STP of adequate capacity and treated sewage shall be reused/ recycled to the maximum extent.	Not applicable as the Industry is a member of CETP.
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. 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.
		
3.10	The unit shall explore Techno-Economic feasibility of Zero Liquid Discharge (ZLD) and if feasible, ZLD should be adopted.	Noted
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.	Complied. Unit is following the given condition.
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.	Noted and agreed.
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	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
	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:
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.	Noted and agreed.
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.	Noted and agreed.
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.	Complied. Separate logbook is maintained. Photograph of the same 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
	 Magnetic Flow meter Reading Report for the Month OCTOBER-2020 (Final Discharge) TO, CHEMINOVA INDIA LTD.(INTER) (Plot No-27/28), GIDC Estate, Panoli-394116 P-2 Meter Make Meter/Seal No Meter Size CCA Qty(KLD) Pump Serial No. DATE Date / Opening Reading at 10.00 a.m / Diff. KL/Day / CO's Repre. Sign / NCT Repre. Sign / Remarks/Breakdown 01/10/2020 54636 199 02/10/2020 54835 199 03/10/2020 55034 167 04/10/2020 55201 199 05/10/2020 55400 199 06/10/2020 55599 199 07/10/2020 55798 199 08/10/2020 55997 165 09/10/2020 56162 167 10/10/2020 56329 199 11/10/2020 56528 199 12/10/2020 56727 169 13/10/2020 56896 199 14/10/2020 57095 199 15/10/2020 57294 199 16/10/2020 57493 199 17/10/2020 57692 199 18/10/2020 57891 199 19/10/2020 58090 199 20/10/2020 58289 169 21/10/2020 58458 197 22/10/2020 58655 199 23/10/2020 58854 199 24/10/2020 59053 199 25/10/2020 59252 100 26/10/2020 59352 100 27/10/2020 59452 105 28/10/2020 59557 180 29/10/2020 59737 0 30/10/2020 59737 0 31/10/2020 59737 0 01/11/2020 59737 0 Total Discharge 5952 M./ Representative Name & Sign NCT Person-Name & sign Surati Bhagor, Nr. Gujarat Gas Office, Umarwada Road, Ankleshwar - 393 001, Dist. Bharuch (Gujarat)	
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 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.	Not applicable
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 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	Complied. Unit is following the given condition.

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
	shall be treated along with industrial effluent and final treated effluent shall be discharged to the CETP of NCTL.	
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:
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-	Complied. Unit is following the given condition.

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
	4423 (Cap 10 TPH)) at a same time.	
4.1	Unit shall use fuel as specified in this consent and the flue gas emission through stack shall conform to the standards.	Complied

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
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

Complied. Unit is following the given condition.

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

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

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.

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- 09 mg/Nm^3
4	93982 - Reaction Vessels	Stack attached to Emergency vent of PCl_3	Alkali Scrubber	15	HCl- 20 mg/Nm^3 Chlorine- 09 mg/Nm^3

Complied. Unit is following the given condition.

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

<table>
<tr><td colspan="3">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</td></tr>
<tr><td>Sr. No.</td><td>Consent Condition Requirement</td><td>Compliance Status</td></tr>
<tr><td></td><td>
<table>
<tr><td colspan="3">Flue gas Emission Standards</td></tr>
<tr><td>Parameters</td><td>Existing</td><td>Revised norms (80% of existing)</td></tr>
<tr><td>PM</td><td>150 mg/Nm^3</td><td>120 mg/Nm^3</td></tr>
<tr><td>SO_2</td><td>100 mg/Nm^3</td><td>80 mg/Nm^3</td></tr>
<tr><td>NO_x</td><td>50 mg/Nm^3</td><td>40 mg/Nm^3</td></tr>
</table>
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.</td><td></td></tr>
<tr><td>4.4</td><td>Following air pollution control measures shall be provided for the flue gas emission sources like Boiler, Thermic Fluid Heaters etc. (As Applicable)
<table>
<tr><td colspan="2">Stipulated APCM in Red category industrial units of CPA</td></tr>
<tr><td>Steam generation capacity (in TPH)</td><td>Type of APCM</td></tr>
<tr><td>Less than 1</td><td>Multi Cyclone</td></tr>
<tr><td>1 to < 3</td><td>Multi Cyclone + Water Scrubber</td></tr>
<tr><td>3 to < 6</td><td>Bag filter + Water Scrubber</td></tr>
<tr><td>≥ 6</td><td>ESP + Water Scrubber</td></tr>
</table></td><td>Noted and complied
Boiler is equipped with dust collector.</td></tr>
<tr><td>4.5</td><td>Unit shall provide at least two stage scrubbing system of appropriate media for the control of the process gas emission.</td><td>All the scrubbers are equipped with double stage scrubbing system with appropriate media.</td></tr>
<tr><td>4.6</td><td>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)</td><td>Complied</td></tr>
<tr><td>4.7</td><td>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.</td><td>Not Applicable</td></tr>
<tr><td>4.8</td><td>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.)</td><td>Noted. All the applicable SOP's published by GPCB/CPCB for effective fugitive emissions will be followed</td></tr>
<tr><td>4.9</td><td>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.</td><td>Noted. Odor control measures are in place to control odor nuisance from specific activities.</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
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
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. A. Detail of Hazardous & other wastes by unit:	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

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

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.
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

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
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
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.

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
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, NOC/CTE & CC&A/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

CC&A/CTO-Amendment Copy

GPCB

GUJARAT P[redacted]LLUTI[redacted]N CONTROL BOARI
PARYAVARAN BHAVA
Sector-10-A, **Gandhinagar** 382 01
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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

Outward No:529725, 10/12/2019

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

GPCB

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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.

Outward No. 5[illegible]72 Dt. 10/12/2019

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.52/25/20/2021

GPCB

GUJARAT POLLUTION CONTROL BOARD
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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

GPCB

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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

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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

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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.

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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.

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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.

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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

GPCB

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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.)

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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

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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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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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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: 30/03/19

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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-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	-	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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	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

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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 trilluromethyl 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:50853 Date:20/07/2018

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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

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PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar 382010
Phone : (079) 23222425
(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 (2019-2020)

FMC | An Agricultural Sciences Company

ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007
ID 9108627522

Cheminova India Limited
Intermediate Division
(27+28)/A, GIDC Estate,
Panoli - 394 116
Dist. Bharuch (Gujarat)
India.

Phone : +91 9033978622-26
fmc.com / fmc.in
CIN NO. U24100MH1986PLC038627

Date – 5Th June 2020

Ref No. CHEMINOVA/INTER/06/05/2020/01

PCB ID -15016

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

Subject: Submission of Annual returns (Form –4)

Respected Sir,

We hereby declare that we have sent hazardous waste to different facilities during the period of April -2019 to March 2020 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.

V J Patel

AUTHORISED SIGNATORY

Encl: As above

CC: Regional Office, Ankleshwar.

Enc. Form -4

RECEIVED
Gujarat Pollution Control Board.
R.O. Ankleshwar
Date : 5/6/2020

Cheminova India Ltd. Intermediate Division

PCB ID- 15016
Year -2019-20

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**	
3.	Name of the authorized person and full address with telephone and fax number and e- mail	:	**Vinod S. Patel (Factory Manger)** **CHEMINOVA INDIA LTD, (Intermediate Division) Plot No. – (27+28)/A, GIDC, PANOLI Dist Bharuch** **Ph. No. 9033978622 to 26, e -mail- Vinod.Patel@fmc.com**	
4.	Production (Product wise) during year April 2019 to March 2020		**Product**	**Quantity in (MT)**
		1.	DIETHYL THIOPHOSPHORYL CHLORIDE (DETPC / NADETA)	4378.686
		2.	AZOLE GROUP BASED PRODUCTS (FLORASULAM)	9.474
		3.	Bixlozone (F-9600)	29.253

CHEMINOVA INDIA LTD. PANOLI

Year -2019-20 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 waste water treatment (ETP Sludge)	35.3	1264.000
		2. Used or spent oil	5.1	0.460
		3. Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes (a) Non-Recyclable Plastic / Contaminated liners, bags (b) Insulation waste (c) Asbestos sheet	33.1	16.905 8.130 9.465 Total Qty.= 34.500
		4. Process waste or Residue (a) For Incineration (b) For Co-process	29.1 29.1	271.000
		5. Process waste or Residue (Solid waste / Evaporation Salt)	29.1	Nil
		6. Total Sulphur	B37	23.865

CHEMINOVA INDIA LTD. PANOLI

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Year -2019-20 PCB ID- 15016

PART-A

		Hazardous waste	Category	To Disposal Facility TSDF/CHWIF (in MT)	To Recycler/Co-processors (in MT)	To Others (in MT)	Remarks (Details enclose as)
2	Total Quantity of Category wise waste Disposed	1. Chemical sludge from waste water treatment (ETP Sludge)	35.3	1289.000	Nil	Nil	ANNEXURE- A
		2. Used or spent oil	5.1	Nil	0.460	Nil	ANNEXURE- B
		3. Empty barrels/containers/ liners contaminated with hazardous chemicals / wastes (a) Non-Recyclable Plastic / Contaminated liners, bags (b) Insulation waste (c) Asbestos sheet	33.1	(a) 16.960 (b) 8.770 (c) 10.760 Total Qty.=36.490		Nil	ANNEXURE- C
		4. Process waste or Residue (a) For Incineration (b) For Co-process	29.1 29.1	(a) 13.415	(b) 255.580	Nil	ANNEXURE- D
		5. Process waste or Residue (Solid waste / Evaporation Salt)	29.1	Nil	Nil	Nil	Nil
		6. Total Sulphur	B37	24.415	Nil	Nil	ANNEXURE- E
		7. Spent Solvent	20.2	Nil	Nil	Nil	

3	Quantity utilized in-house	NIL

CHEMINOVA INDIA LTD. PANOLI

Year -2019-20 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 waste water treatment (ETP Sludge)	35.3	19.690
		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) Asbestos sheet ~~(d) Discarded containers~~	33.1	0.995 Nil Nil ~~Nil~~ Total Qty.= 0.995
		4. Process waste or Residue (c) For Incineration (d) For Co-process	29.1 29.1	12.612
		5. Process waste or Residue (Solid waste / Evaporation Salt)	29.1	Nil
		6. Total Sulphur	B37	6.000

CHEMINOVA INDIA LTD. PANOLI

PCB ID- 15016

PART-A

HAZARDOUS WASTE DISPOSAL DETAILS

ANNEXURE- A

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

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Apr-19	11-Apr-19	866458	15.480	BEIL
	12-Apr-19	867028	16.175	BEIL
	18-Apr-19	870651	15.785	BEIL
	18-Apr-19	870646	14.415	BEIL
	22-Apr-19	872735	15.280	BEIL
	24-Apr-19	873721	16.955	BEIL
	24-Apr-19	873746	15.310	BEIL
	29-Apr-19	876638	15.010	BEIL
	29-Apr-19	876670	15.540	BEIL
May-19	3-May-19	879322	16.385	BEIL
	3-May-19	879365	15.885	BEIL
	10-May-19	883570	15.360	BEIL
	10-May-19	883594	15.865	BEIL
	14-May-19	885644	14.390	BEIL
	14-May-19	885637	12.520	BEIL
	22-May-19	890149	14.645	BEIL
	22-May-19	890152	12.115	BEIL
	28-May-19	893596	11.740	BEIL
Jun-19	3-Jun-19	896455	15.625	BEIL
	8-Jun-19	898807	13.880	BEIL
	11-Jun-19	900025	14.625	BEIL
	11-Jun-19	900054	15.040	BEIL
Oct-19	23-Oct-19	933655	14.415	BEIL
	27-Oct-19	955715	12.900	BEIL
Nov-19	13-Nov-19	962027	17.145	BEIL
	16-Nov-19	963895	15.535	BEIL
	19-Nov-19	965589	16.470	BEIL
	20-Nov-19	966728	14.445	BEIL
	20-Nov-19	966628	12.310	BEIL
	23-Nov-19	969084	33.155	Detox
	23-Nov-19	969801	14.705	BEIL
	25-Nov-19	970017	24.040	Detox
	27-Nov-19	971748	39.120	Detox
	29-Nov-19	972800	30.000	Detox
	29-Nov-19	972804	10.340	Detox
Dec-19	2-Dec-19	975005	25.975	Detox
	3-Dec-19	975753	23.010	Detox
	4-Dec-19	976406	22.205	Detox
	6-Dec-19	978432	22.060	Detox
	9-Dec-19	980579	28.915	Detox
	11-Dec-19	981964	20.965	Detox
	16-Dec-19	986109	38.850	Detox
	20-Dec-19	989103	27.680	Detox
	23-Dec-19	991377	24.810	Detox
	24-Dec-19	992265	25.585	Detox

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Dec-19	27-Dec-19	995024	26.295	Detox
	31-Dec-19	998215	25.780	Detox
Jan-20	2-Jan-20	999831	23.485	Detox
	13-Jan-20	1007748	27.925	Detox
	16-Jan-20	1009480	22.620	Detox
	21-Jan-20	1013110	38.260	Detox
	30-Jan-20	1020392	24.810	Detox
Feb-20	3-Feb-20	1023594	24.115	Detox
	8-Feb-20	1027472	26.375	Detox
	12-Feb-20	1030261	24.865	Detox
	17-Feb-20	1033721	20.185	Detox
	18-Feb-20	1034742	25.790	Detox
	24-Feb-20	1039131	19.450	Detox
	24-Feb-20	1039161	25.795	Detox
Mar-20	3-Mar-20	1044553	23.795	Detox
	7-Mar-20	1047495	24.890	Detox
	14-Mar-20	1051415	15.250	Detox
	17-Mar-20	1053753	26.655	Detox
	TOTAL QUANTITY (In MT)		1289.000	

ANNEXURE- B

(2) Used or spent oil Cat-5.1

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to Refiners
Nov-19	26-Nov-19	970958	0.460	ABC Organic & Chemicals
	TOTAL QUANTITY (In MT)		0.460	

CHEMINOVA INDIA LTD. PANOLI

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PCB ID- 15016

PART-A

ANNEXURE- C

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

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
May-19	2-May-19	879054	2.240	BEIL
	27-May-19	893266	1.495	BEIL
Nov-19	29-Nov-19	973110	1.070	BEIL
Dec-19	9-Dec-19	980418	1.560	BEIL
	12-Dec-19	982738	1.455	BEIL
	16-Dec-19	985986	1.350	BEIL
	20-Dec-19	989328	1.820	BEIL
Jan-20	21-Jan-20	1013374	1.600	BEIL
Feb-20	20-Feb-20	1036264	1.480	BEIL
	27-Feb-20	1040851	1.580	BEIL
Mar-20	3-Mar-20	1044155	1.310	BEIL
	Sub TOTAL QUANTITY (In MT)		**16.960**	

(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-19	2-May-19	878937	0.905	BEIL
	3-May-19	879508	0.910	BEIL
Jan-20	4-Jan-20	1001429	1.025	BEIL
	31-Jan-20	1020907	1.025	BEIL
Feb-20	14-Feb-20	1031626	1.160	BEIL
	24-Feb-20	1039161	1.480	BEIL
	27-Feb-20	1040837	1.125	BEIL
	29-Feb-20	1042584	0.480	BEIL
Mar-20	17-Mar-20	1053407	0.660	BEIL
	TOTAL QUANTITY (In MT)		**8.770**	

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

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
Mar-20	5-Mar-20	1046152	2.820	BEIL
	7-Mar-20	1047409	2.230	BEIL
	9-Mar-20	1048590	2.645	BEIL
	11-Mar-20	1049388	3.065	BEIL
	TOTAL QUANTITY (In MT)		**10.760**	

CHEMINOVA INDIA LTD. PANOLI

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(PCB ID- 15016

PART-A

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
Nov-19	25-Nov-19	970302	5.625	BEIL
Feb-20	24-Feb-20	1038944	5.390	BEIL
Mar-20	4-Mar-20	1045283	2.400	BEIL
	TOTAL QUANTITY (In MT)		13.415	

5 Process waste or Residue Cat -29.1

(b) For Co-processing

Month of disposal	Date of disposal	Manifest No.	Quantity (In MT)	Disposed to
May-19	22-May-19	890471	12.655	RSPL
	23-May-19	891030	9.200	RSPL
Jun-19	4-Jun-19	897110	14.900	RSPL
	12-Jun-19	900515	21.245	RSPL
	26-Jun-19	906194	20.215	RSPL
Jul-19	7-Jul-19	910506	12.130	RSPL
	10-Jul-19	911411	21.420	RSPL
	14-Jul-19	913271	7.305	RSPL
	16-Jul-19	914062	7.605	RSPL
	24-Jul-19	917837	11.040	RSPL
	27-Jul-19	918892	19.610	RSPL
Aug-19	6-Aug-19	922230	9.135	RSPL
	23-Aug-19	927965	22.030	RSPL
	28-Aug-19	930075	9.540	RSPL
	29-Aug-19	930380	23.250	RSPL
Sep-19	10-Sep-19	934930	8.290	RSPL
	18-Sep-19	937554	8.600	RSPL
Feb-20	6-Feb-20	1025949	8.675	RSPL
	18-Feb-20	1034374	8.735	RSPL
	TOTAL QUANTITY (In MT)		255.580	

ANNEXURE-E

6 Recovered Sulphur Cat -B-37

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
May-19	4-May-19	880214	7.025	BEIL
Dec-19	31-Dec-19	998007	17.390	BEIL
	TOTAL QUANTITY (In MT)		24.415	

CHEMINOVA INDIA LTD. PANOLI

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Year -2019-20 PCB ID- 15016

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%	-	2470.486
		Hydrochloric Acid 30%	B-15	3177.600
		Phosphoric Acid	B-15	545.600
		Sodium Bisulphite Powder	-	979.200
		Sodium Sulphite	-	264.565
		Sodium Bisulphite Solution (30%)	-	2813.085

		Hazardous waste generation	Category	Quantity Disposal (in MT)
2	Total Quantity of Category wise waste Disposed	Sodium Hydro sulfide 30%	-	2441.061
		Hydrochloric Acid 30%	B-15	3230.880
		Phosphoric Acid	B-15	490.140
		Sodium Bisulphite Powder	-	1012.720
		Sodium Sulphite	-	264.565
		Sodium Bisulphite Solution (30%)	-	2890.855

		Hazardous waste generation	Category	Quantity Generated (in MT)
3	Total Quantity of Category wise waste storage at the end of the year	Sodium Hydro sulfide 30%	-	69.980
		Hydrochloric Acid 30%	B-15	45.078
		Phosphoric Acid	B-15	67.115
		Sodium Bisulphite Powder	-	20.200
		Sodium Sulphite	-	35.000
		Sodium Bisulphite Solution (30%)	-	33.655

CHEMINOVA INDIA LTD. PANOLI

ANNEXURE-F

1 Sodium Hydro sulfide 30%, Cat : Not Applicable

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
Apr-19	2-Apr-19	861627	16.365	Ohm Dye Chem
	4-Apr-19	862858	16.430	Dev Dyechem Industries
	6-Apr-19	864004	16.425	R.P. Industries
	8-Apr-19	864904	13.720	Pragna Chemical Industries
	8-Apr-19	864818	16.245	Sahyog Pharmachem Industries
	11-Apr-19	866682	15.320	Shree Hari Organic
	13-Apr-19	868030	15.005	Jayvir Dye Chem
	15-Apr-19	868884	16.345	Saga Chemie Pvt..td.
	17-Apr-19	870273	16.355	Pragna Chemical Industries
	18-Apr-19	871038	16.050	R.P. Industries
	22-Apr-19	873071	17.675	Jayvir Dye Chem
	24-Apr-19	874153	15.350	Ohm Dye Chem
	26-Apr-19	875499	15.785	Dev Dyechem Industries
	29-Apr-19	877024	16.100	Pragna Chemical Industries
	29-Apr-19	877046	7.945	R.P. Industries
May-19	4-May-19	880312	14.101	Dev Dyechem Industries
	8-May-19	882464	16.285	Ohm Dye Chem
	11-May-19	884301	16.815	Pragna Chemical Industries
	13-May-19	885198	14.785	Saga Chemie Pvt..td.
	14-May-19	885951	16.485	Jayvir Dye Chem
	17-May-19	887477	16.160	Ohm Dye Chem
	20-May-19	889180	16.665	Ohm Dye Chem
	22-May-19	890499	16.290	Supreme Industries
	23-May-19	890881	17.900	Sahyog pharma Industries
	25-May-19	892332	16.925	Dev Dyechem Industries
	28-May-19	893844	17.185	R.P.Industries
	30-May-19	895065	17.310	Jay Vir Dyechem
Jun-19	3-Jun-19	896577	16.305	R.P.Industries
	5-Jun-19	897679	16.305	Pragna Chemical Industries
	6-Jun-19	898100	16.345	R.P.Industries
	8-Jun-19	899009	18.140	Dev Dyechem Industries
	10-Jun-19	899796	16.640	R.P.Industries
	12-Jun-19	900864	17.640	R.P. Industries
	13-Jun-19	901286	18.010	Jayvir Dye Chem
	14-Jun-19	901743	14.495	R.P. Industries
	17-Jun-19	902669	18.185	Sahyog Pharmachem Industries
	19-Jun-19	903588	17.460	R.P. Industries
	20-Jun-19	904027	16.685	Ohm Dye Chem
	24-Jun-19	905406	15.215	Pragna Chemical Industries
	25-Jun-19	906062	15.355	Jayvir Dye Chem
	26-Jun-19	906429	9.825	R.P. Industries
	29-Jun-19	907572	15.790	Dev Dyechem Industries
	29-Jun-19	907637	4.665	R.P.Industries
Jul-19	1-Jul-19	908202	17.215	Pragna Chemical Industries
	9-Jul-19	911243	17.150	Jayvir Dye Chem
	11-Jul-19	912206	15.025	Ohm Dye Chem
	13-Jul-19	913112	14.495	Pragna Chemical Industries
	15-Jul-19	913845	15.660	R.P. Industries
	17-Jul-19	914753	16.840	Jayvir Dye Chem

CHEMINOVA INDIA LTD. PANOLI

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	19-Jul-19	915677	17.390	R.P. Industries
	22-Jul-19	916653	15.960	Ohm Dye Chem
	23-Jul-19	917209	16.295	Dev Dyechem Industries
	25-Jul-19	918273	16.460	R.P. Industries
	27-Jul-19	919023	16.500	Sahyog Pharmachem Industries
	29-Jul-19	919696	10.760	R.P. Industries
	30-Jul-19	920064	16.385	Jay Vir Dyechem
Aug-19	02-Aug-19	921158	18.415	Ohm Dye Chem
	05-Aug-19	921961	16.360	R.P.Industries
	12-Aug-19	924371	16.580	Sahyog Pharmachem Industries
	14-Aug-19	925160	19.250	R.P.Industries
	19-Aug-19	926508	18.405	Ohm Dye Chem
	21-Aug-19	927419	18.660	Dev Dyechem Industries
	26-Aug-19	929307	17.375	Saga Chemie Pvt.Ltd.
	27-Aug-19	929658	12.525	R.P. Industries
	28-Aug-19	930101	18.115	R.P. Industries
	31-Aug-19	911390	16.575	Supreme Industries
Sep-19	04-Sep-19	932789	16.475	R.P.Industries
	05-Sep-19	933204	16.120	Ohm Dye Chem
	13-Sep-19	935901	17.725	Dev Dyechem Indus:ries
	16-Sep-19	936817	18.635	Raina Industries
	17-Sep-19	937371	18.680	Pragna Chemical Industries
	19-Sep-19	938133	16.855	Supreme Industries
	23-Sep-19	939472	16.445	Supreme Industries
	23-Sep-19	939478	18.470	Jayvir Dye Chem
	24-Sep-19	940016	23.080	R.P. Industries
	26-Sep-19	940770	18.605	Raina Industries
	27-Sep-19	941329	15.270	R.P.Industries
	30-Sep-19	942260	18.605	Raina Industries
Oct-19	1-Oct-19	942662	16.445	Supreme Industries
	1-Oct-19	942642	15.665	R.P. Industries
	4-Oct-19	943816	16.205	Supreme Industries
	5-Oct-19	944194	18.575	Raina Industries
	7-Oct-19	944846	18.585	Ohm Dye Chem
	9-Oct-19	945389	18.760	Dev Dyechem Industries
	12-Oct-19	947276	16.690	Raina Industries
	14-Oct-19	948217	16.580	Supreme Industries
	14-Oct-19	948243	18.375	Jayvir Dye Chem
	16-Oct-19	949316	15.535	R.P. Industries
	18-Oct-19	950477	15.500	Ohm Dye Chem
	21-Oct-19	952425	16.705	Supreme Industries
	21-Oct-19	952412	16.765	Jayvir Dye Chem
	23-Oct-19	954052	15.340	R.P. Industries
	25-Oct-19	954845	16.810	Pragna Chemical Industries
	26-Oct-19	955540	15.630	Raina Industries
Nov-19	1-Nov-19	956842	17.760	R.P. Industries
	4-Nov-19	957884	16.680	Supreme Industries
	4-Nov-19	957868	16.370	R.P. Industries
	6-Nov-19	958955	17.065	Jayvir Dye Chem
	8-Nov-19	959774	10.170	Pragna Chemical Industries
	9-Nov-19	960162	15.450	Ohm Dye Chem

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CHEMINOVA INDIA LTD. PANOLI

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	11-Nov-19	961040	15.680	R.P. Industries
	12-Nov-19	961676	13.475	R.P.Industries
	14-Nov-19	962703	17.290	Dev Dyechem Industries
	16-Nov-19	964032	14.625	Raina Industries
	19-Nov-19	945996	16.450	Ohm Dye Chem
	22-Nov-19	968251	16.945	Sahyog Pharmachem Irdustries
	25-Nov-19	970174	10.225	R.P. Industries
	27-Nov-19	971498	17.095	Jayvir Dye Chem
	29-Nov-19	973347	15.095	Supreme Industries
	30-Nov-19	974102	16.350	Dev Dyechem Industries
Dec-19	4-Dec-19	976734	16.380	R.P. Industries
	6-Dec-19	978439	8.480	Pragna Chemical Industries
	10-Dec-19	981613	17.125	R.P. Industries
	16-Dec-19	986037	9.710	R.P. Industries
	25-Dec-19	992744	17.180	Jayvir Dye Chem
	27-Dec-19	995007	17.500	Sahyog Pharmachem Industries
	30-Dec-19	997365	16.200	Supreme Industries
	31-Dec-19	998162	6.755	R.P. Industries
Jan-20	2-Jan-20	999863	22.740	R.P. Industries
	3-Jan-20	1000636	16.295	Supreme Industries
	4-Jan-20	1001408	16.460	Ohm Dye Chem
	8-Jan-20	1004388	15.375	R.P.Industries
	17-Jan-20	1010530	16.655	R.P.Industries
	21-Jan-20	1013349	18.225	R.P.Industries
	22-Jan-20	1014255	16.105	Supreme Industries
	23-Jan-20	1015086	18.155	Jayvir Dye Chem
	25-Jan-20	1016522	18.290	Dev Dyechem Industries
	27-Jan-20	1017941	16.105	Ohm Dye Chem
	28-Jan-20	1018915	17.590	Sahyog Pharmachem Industries
	30-Jan-20	1020614	15.060	Jayvir Dye Chem
Feb-20	3-Feb-20	1023552	17.525	R.P. Industries
	4-Feb-20	1024489	18.140	Raina Industries
	4-Feb-20	1024459	16.470	Supreme Industries
	6-Feb-20	1025979	17.430	Dev Dyechem Industries
	14-Feb-20	1032037	17.285	Ohm Dye Chem
	15-Feb-20	1032626	16.290	Pragna Chemical Industries
	17-Feb-20	1033961	19.735	R.P. Industries
	19-Feb-20	1035721	15.115	Saga Chemie Pvt. Ltd
	20-Feb-20	1036474	18.695	Dev Dyechem Industries
	22-Feb-20	1037868	15.995	Ohm Dye Chem
	24-Feb-20	1038858	16.325	R.P.Industries
	25-Feb-20	1039829	15.020	Supreme Industries
	28-Feb-20	1042008	16.440	Saga Chemie Pvt. Ltd
Mar-20	4-Mar-20	1045462	16.180	Ohm Dye Chem
	9-Mar-20	1048898	17.075	Jayvir Dye Chem
	12-Mar-20	1050149	17.055	Ohm Dye Chem
	13-Mar-20	1051073	16.530	Sahyog Pharmachem Industries
	16-Mar-20	1052879	17.995	Jayvir Dye Chem
	20-Mar-20	1056196	18.075	Ohm Dye Chem
	23-Mar-20	1057483	18.630	R.P. Industries
	TOTAL QUANTITY (In MT)		**2441.061**	

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CHEMINOVA INDIA LTD. PANOLI

ANNEXURE-G

2 Hydrochloric Acid 30% Cat: B-15

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
Apr-19	1-Apr-19	861096	16.645	Sulaksh Chemicals
	4-Apr-19	863000	26.005	Sulaksh Chemicals
	5-Apr-19	863493	19.385	Rahul Intermediates
	5-Apr-19	863506	21.740	Sulaksh Chemicals
	6-Apr-19	864003	15.665	Sulaksh Chemicals
	11-Apr-19	866589	19.950	Sulaksh Chemicals
	11-Apr-19	866799	25.410	Sulaksh Chemicals
	18-Apr-19	870715	20.145	Sulaksh Chemicals
	19-Apr-19	871571	17.455	Sulaksh Chemicals
	23-Apr-19	873448	17.390	Sulaksh Chemicals
	25-Apr-19	874474	17.365	Sulaksh Chemicals
	26-Apr-19	875495	25.020	Sulaksh Chemicals
	30-Apr-19	877588	21.400	Gujarat Feed Care
May-19	1-May-19	878239	19.915	Sulaksh Chemicals
	3-May-19	879710	21.130	Gujarat Feed Care
	4-May-19	880417	21.335	Sulaksh Chemicals
	7-May-19	881649	25.710	Gujarat Feed Care
	7-May-19	881850	21.050	Gujarat Feed Care
	8-May-19	882593	19.685	Sulaksh Chemicals
	10-May-19	883934	20.090	Gujarat Feed Care
	13-May-19	885292	22.730	Gujarat Feed Care
	13-May-19	885101	19.185	Gujarat Feed Care
	15-May-19	886562	19.790	Gujarat Feed Care
	17-May-19	887724	20.135	Gujarat Feed Care
	20-May-19	888867	17.455	Sulaksh Chemicals
	21-May-19	889857	21.460	Gujarat Feed Care
	23-May-19	890994	18.535	Sulaksh Chemicals
	27-May-19	893225	24.105	Gujarat Feed Care
Jun-19	1-Jun-19	896045	20.675	Gujarat Feed Care
	4-Jun-19	897289	22.590	Gujarat Feed Care
	6-Jun-19	898105	19.150	Gujarat Feed Care
	7-Jun-19	898652	20.120	Gujarat Feed Care
	10-Jun-19	899780	21.535	Sulaksh Chemicals
	11-Jun-19	900249	20.490	Gujarat Feed Care
	14-Jun-19	901520	20.295	Gujarat Feed Care
	17-Jun-19	902676	19.130	Gujarat Feed Care
	18-Jun-19	903041	21.090	Gujarat Feed Care
	19-Jun-19	903514	21.430	Sulaksh Chemicals
	22-Jun-19	904866	17.830	Gujarat Feed Care
	26-Jun-19	906421	20.220	Gujarat Feed Care
	29-Jun-19	907635	19.320	Gujarat Feed Care
Jul-19	5-Jul-19	909878	19.985	Sulaksh Chemicals
	11-Jul-19	912205	19.245	Sulaksh Chemicals
	11-Jul-19	912197	19.675	Rahul Intermediates
	12-Jul-19	912687	25.945	Gujarat Feed Care
	17-Jul-19	914495	27.155	Rahul Intermediates
	17-Jul-19	914689	20.205	Rahul Intermediates

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CHEMINOVA INDIA LTD. PANOLI

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	18-Jul-19	914982	26.120	Gujarat Feed Care
	18-Jul-19	915279	17.335	Sulaksh Chemicals
	22-Jul-19	916820	19.620	Rahul Intermediates
	23-Jul-19	917276	22.675	Gujarat Feed Care
	24-Jul-19	917826	9.850	Rahul Intermediates
	26-Jul-19	918723	20.435	Sulaksh Chemicals
	29-Jul-19	919692	19.310	Rahul Intermediates
	30-Jul-19	920193	20.545	Rahul Intermediates
Aug-19	05-Aug-19	921908	21.455	Rahul Intermediates
	05-Aug-19	921993	10.140	Rahul Intermediates
	05-Aug-19	921969	20.210	Sulaksh Chemicals
	07-Aug-19	922792	19.470	Gujarat Feed Care
	08-Aug-19	923138	20.855	Rahul Intermediates
	12-Aug-19	924370	20.780	Rahul Intermediates
	13-Aug-19	924495	26.285	Sulaksh Chemicals
	18-Aug-19	926115	19.720	Rahul Intermediates
	19-Aug-19	926590	21.205	Sulaksh Chemicals
	21-Aug-19	927425	20.805	Rahul Intermediates
	21-Aug-19	927177	18.195	Sulaksh Chemicals
	26-Aug-19	929317	20.310	Rahul Intermediates
	28-Aug-19	930111	19.295	Sulaksh Chemicals
	30-Aug-19	930978	19.115	Gujarat Feed Care
	31-Aug-19	931387	19.480	Sulaksh Chemicals
	31-Aug-19	911394	20.535	Rahul Intermediates
Sep-19	04-Sep-19	932662	20.850	Rahul Intermediates
	05-Sep-19	933129	21.450	Sulaksh Chemicals
	09-Sep-19	934672	19.320	Sulaksh Chemicals
	11-Sep-19	935381	20.390	Sulaksh Chemicals
	13-Sep-19	935995	20.775	Sulaksh Chemicals
	17-Sep-19	937413	20.945	Rahul Intermediates
	17-Sep-19	937423	19.635	Sulaksh Chemicals
	19-Sep-19	938220	20.890	Sulaksh Chemicals
	19-Sep-19	938100	20.590	Rahul Intermediates
	23-Sep-19	939661	10.425	Rahul Intermediates
	24-Sep-19	939846	20.590	Sulaksh Chemicals
	24-Sep-19	940004	20.490	Rahul Intermediates
	26-Sep-19	940773	20.865	Sulaksh Chemicals
	27-Sep-19	941414	20.345	Rahul Intermediates
	30-Sep-19	942304	21.150	Sulaksh Chemicals
Oct-19	1-Oct-19	942587	20.735	Rahul Intermediates
	3-Oct-19	943222	11.910	Sulaksh Chemicals
	4-Oct-19	943815	10.545	Rahul Intermediates
	7-Oct-19	944834	20.420	Rahul Intermediates
	9-Oct-19	945614	21.025	Sulaksh Chemicals
	15-Oct-19	948884	20.285	Rahul Intermediates
	16-Oct-19	949424	20.675	Sulaksh Chemicals
	21-Oct-19	952420	20.690	Rahul Intermediates
	23-Oct-19	954043	21.585	Sulaksh Chemicals
	24-Oct-19	954512	20.020	Rahul Intermediates
	24-Oct-19	954569	19.990	Rahul Intermediates
	30-Oct-19	956203	20.680	Rahul Intermediates

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Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
Nov-19	2-Nov-19	957229	19.855	Rahul Intermediates
	2-Nov-19	957212	20.690	Sulaksh Chemicals
	5-Nov-19	958381	20.500	Rahul Intermediates
	5-Nov-19	958376	19.795	Rahul Intermediates
	6-Nov-19	958830	20.285	Rahul Intermediates
	6-Nov-19	958978	20.425	Rahul Intermediates
	8-Nov-19	959788	20.310	Rahul Intermediates
	8-Nov-19	959784	20.270	Rahul Intermediates
	11-Nov-19	961137	20.650	Rahul Intermediates
	14-Nov-19	962883	20.925	Rahul Intermediates
	19-Nov-19	966001	20.080	Rahul Intermediates
	20-Nov-19	966001	20.080	Rahul Intermediates
	22-Nov-19	968227	16.070	Rahul Intermediates
	22-Nov-19	968193	20.130	Rahul Intermediates
	23-Nov-19	969062	15.985	Rahul Intermediates
	23-Nov-19	969076	19.820	Rahul Intermediates
	26-Nov-19	971006	20.410	Rahul Intermediates
	27-Nov-19	971620	16.475	Rahul Intermediates
	28-Nov-19	972555	19.785	Rahul Intermediates
	29-Nov-19	973329	19.610	Rahul Intermediates
Dec-19	2-Dec-19	975234	21.925	Rahul Intermediates
	5-Dec-19	977603	15.200	Rahul Intermediates
	23-Dec-19	991412	21.570	Gujarat Feed Care
	26-Dec-19	993924	17.550	Rahul Intermediates
	26-Dec-19	994099	20.220	Rahul Intermediates
	28-Dec-19	995739	21.170	Rahul Intermediates
Jan-20	2-Jan-20	999852	22.715	Rahul Intermediates
	4-Jan-20	1001019	19.220	Rahul Intermediates
	6-Jan-20	1002810	24.660	Rahul Intermediates
	7-Jan-20	1003542	20.750	Rahul Intermediates
	8-Jan-20	1004397	13.945	Rahul Intermediates
	13-Jan-20	1008005	12.365	Rahul Intermediates
	16-Jan-20	1009669	17.170	Rahul Intermediates
	20-Jan-20	1012481	20.025	Rahul Intermediates
	22-Jan-20	1014239	20.305	Rahul Intermediates
	24-Jan-20	1015766	19.975	Rahul Intermediates
	25-Jan-20	1016677	22.910	Gujarat Feed Care
	28-Jan-20	1018983	24.330	Gujarat Feed Care
	31-Jan-20	1021081	19.750	Gujarat Feed Care
Feb-20	3-Feb-20	1023559	19.035	Gujarat Feed Care
	4-Feb-20	1024450	25.445	Gujarat Feed Care
	6-Feb-20	1025971	23.820	Gujarat Feed Care
	7-Feb-20	1026659	18.640	Gujarat Feed Care
	8-Feb-20	1027555	19.860	Rahul Intermediates
	14-Feb-20	1032067	25.440	Gujarat Feed Care
	18-Feb-20	1034802	16.335	Rahul Intermediates
	19-Feb-20	1035508	24.905	Gujarat Feed Care
	22-Feb-20	1037859	25.115	Gujarat Feed Care
	24-Feb-20	1039053	19.665	Rahul Intermediates
	25-Feb-20	1039347	19.265	Rahul Intermediates
	25-Feb-20	1039817	23.910	Rahul Intermediates

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Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	27-Feb-20	1041025	18.800	Rahul Intermediates
Mar-20	2-Mar-20	1043852	24.610	Rahul Intermediates
	5-Mar-20	1046001	17.085	Rahul Intermediates
	7-Mar-20	1047385	16.035	Rahul Intermediates
	7-Mar-20	1047568	17.385	Rahul Intermediates
	9-Mar-20	1048881	14.815	Rahul Intermediates
	9-Mar-20	1048883	24.110	Rahul Intermediates
	14-Mar-20	1051566	15.950	Rahul Intermediates
	16-Mar-20	1052805	16.260	Rahul Intermediates
	17-Mar-20	1053728	19.895	Rahul Intermediates
	19-Mar-20	1055359	24.455	Rahul Intermediates
	20-Mar-20	1056161	19.040	Rahul Intermediates
	TOTAL QUANTITY (In MT)		3230.880	

3 Phosphoric Acid Cat: B-15

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
Apr-19	2-Apr-19	861662	9.090	Choksey Chemical Industries
	10-Apr-19	865965	9.405	Choksey Chemical Industries
	12-Apr-19	867454	8.365	Choksey Chemical Industries
	18-Apr-19	871042	8.915	Choksey Chemical Industries
May-19	2-May-19	879027	9.120	S.R. Chemical
	22-May-19	890503	9.650	S.R. Chemicals
	27-May-19	893232	9.745	Choksey Industries
Jun-19	3-Jun-19	896766	9.255	S.R. Chemicals
	19-Jun-19	903596	9.950	S.R. Chemicals
	28-Jun-19	907262	15.905	Choksey Chemical Industries
Jul-19	12-Jul-19	912691	9.365	Choksey Chemical Industries
	16-Jul-19	914280	9.260	Choksey Chemical Industries
	19-Jul-19	915674	9.295	Choksey Chemical Industries
	31-Jul-19	920375	9.155	Choksey Chemical Industries
Aug-19	20-Aug-19	926960	9.380	Choksey Chemical Industries
	28-Aug-19	930204	8.835	S.R. Chemicals
	29-Aug-19	930659	5.390	Dev Satya Industries
Sep-19	10-Sep-19	934933	8.765	Choksey Chemical Industries
	13-Sep-19	935974	9.975	S.R. Chemicals
	16-Sep-19	936811	9.675	Choksey Chemical Industries
	23-Sep-19	938482	9.250	Choksey Chemical Industries
	27-Sep-19	941319	9.335	S.R. Chemicals
Oct-19	7-Oct-19	944837	9.500	Choksey Industries
	9-Oct-19	945597	9.075	Choksey Industries
	11-Oct-19	946725	9.535	S.R. Chemicals
	15-Oct-19	948877	8.715	Choksey Chemical Industries
	22-Oct-19	953124	9.035	Choksey Chemical Industries
	25-Oct-19	955107	8.765	Choksey Chemical Industries
Nov-19	5-Nov-19	958535	9.400	Choksey Chemical Industries
	7-Nov-19	959423	8.690	Choksey Chemical Industries
	12-Nov-19	961677	9.210	S.R. Chemicals
	15-Nov-19	963523	9.185	S.R. Chemicals

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Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	19-Nov-19	966011	8.975	Choksey Chemical Industries
	25-Nov-19	970163	9.325	S.R. Chemicals
	29-Nov-19	973354	8.890	Choksey Chemical Industries
Dec-19	10-Dec-19	981410	9.140	S.R. Chemicals
	17-Dec-19	986521	9.175	S.R. Chemicals
	25-Dec-19	992759	9.030	S.R. Chemicals
	30-Dec-19	997165	9.830	Choksey Chemical Industries
Jan-20	2-Jan-20	999883	9.070	Choksey Chemicals Industries
	11-Jan-20	1006875	5.650	Dev Satya Industries
	23-Jan-20	1015076	9.190	S.R. Chemicals
	25-Jan-20	1016533	9.230	Choksey Chemicals Industries
	28-Jan-20	1018887	9.285	S.R. Chemicals
	31-Jan-20	1021521	9.295	S.R. Chemicals
Feb-20	10-Feb-20	1028771	9.525	S.R. Chemicals
	12-Feb-20	1030235	9.185	S.R. Chemicals
	15-Feb-20	1032698	5.375	Dev Satya Industries
	17-Feb-20	1033986	9.295	Choksey Chemicals Industries
	25-Feb-20	1039856	9.470	Choksey Chemicals Industries
Mar-20	9-Mar-20	1048600	9.385	Choksey Chemicals Industries
	14-Mar-20	1049533	9.105	S.R. Chemicals
	18-Mar-20	1054616	9.225	Choksey Chemicals Industries
	20-Mar-20	1056111	5.300	Dev Satya Industries
	TOTAL QUANTITY (In MT)		490.140	

4 Sodium Bisulphite Powder Cat: Not Applicable

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	4-Apr-19	862867	10.000	P.G. Chemicals
	4-Apr-19	862881	10.000	P.G. Chemicals
	5-Apr-19	863496	10.000	Shalibhadra Intermediates
	9-Apr-19	865529	20.000	Shalibhadra Intermediates
	13-Apr-19	868040	20.000	P.G. Chemicals
	17-Apr-19	870269	20.000	P.G. Chemicals
	22-Apr-19	873012	10.000	Shalibhadra Intermediates
	24-Apr-19	874161	5.000	Shalibhadra Intermediates
	27-Apr-19	875987	20.000	Trimurti Chemicals
	4-May-19	880319	10.000	Trimurti Chemicals
	9-May-19	883049	20.000	P.G. Chemicals
	9-May-19	883061	10.000	Karn Chem Corporation
	9-May-19	883339	5.000	Trimurti Chemicals
	11-May-19	884303	20.000	Shalibhadra Intermediates
	13-May-19	885268	10.000	Shalibhadra Intermediates
	15-May-19	886554	10.000	Shalibhadra Intermediates
	21-May-19	889862	10.000	Shalibhadra Intermediates
	22-May-19	890431	20.000	P.G. Chemicals
	23-May-19	891030	1.600	Shalibhadra Intermediates
	25-May-19	892305	10.000	Shalibhadra Intermediates
	1-Jun-19	896049	10.000	Shalibhadra Intermediates
	3-Jun-19	896747	10.000	Shalibhadra Intermediates
	6-Jun-19	898109	10.000	Shalibhadra Intermediates

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	10-Jun-19	899653	10.000	P.G. Chemicals
	12-Jun-19	900871	10.000	Shalibhadra Intermediates
	15-Jun-19	901972	10.000	Akshar Enterprise
	15-Jun-19	901969	10.000	P.G. Chemicals
	18-Jun-19	903221	2.000	Shalibhadra Intermediates
	19-Jun-19	903520	10.000	Navkar Chemicals
	20-Jun-19	904013	10.000	Shalibhadra Intermediates
	20-Jun-19	904018	5.000	Trimurti Chemicals
	13-Jul-19	913108	10.000	P.G. Chemicals
	18-Jul-19	915272	2.000	Shalibhadra Intermediates
	23-Jul-19	917221	10.000	Shalibhadra Intermediates
	26-Jul-19	918634	20.000	Shalibhadra Intermediates
	27-Jul-19	919021	20.000	Shalibhadra Intermediates
	14-Aug-19	925253	10.000	Shalibhadra Intermediates
	14-Aug-19	925260	12.000	Shalibhadra Intermediates
	20-Aug-19	925258	10.000	Shalibhadra Intermediates
	27-Aug-19	929651	10.000	Navkar Chemicals
	28-Aug-19	930098	2.000	Shalibhadra Intermediates
	30-Aug-19	930994	10.000	Shalibhadra Intermediates
	13-Sep-19	935965	10.000	Karn Chem Corporation
	16-Sep-19	937017	10.000	P.G. Chemicals
	20-Sep-19	938613	5.000	Trimurti Chemicals
	26-Sep-19	940882	2.000	Shalibhadra Intermediates
	26-Sep-19	940764	10.000	Lovely Chemicals
	3-Oct-19	943235	10.000	Akshar Enterprise
	10-Oct-19	946095	10.000	Shalibhadra Intermediates
	17-Oct-19	950072	10.000	Navkar Chemicals
	17-Oct-19	950037	9.000	P.G. Chemicals
	18-Oct-19	950597	10.000	Shalibhadra Intermediates
	22-Oct-19	952996	10.000	Lovely Chemicals
	22-Oct-19	953099	10.000	P.G.Chemicals
	24-Oct-19	954518	10.000	P.G. Chemicals
	24-Oct-19	954618	10.000	Shalibhadra Intermediates
	25-Oct-19	955092	10.000	Shalibhadra Intermediates
	1-Nov-19	956823	20.000	Shalibhadra Intermediates
	2-Nov-19	957189	10.000	P.G. Chemicals
	7-Nov-19	959292	10.000	Karn Chem Corporation
	7-Nov-19	959417	20.000	Shalibhadra Intermediates
	12-Nov-19	961686	10.000	Shalibhadra Intermediates
	18-Nov-19	965254	10.000	Shalibhadra Intermediates
	23-Nov-19	969069	10.000	Shalibhadra Intermediates
	27-Nov-19	971610	10.000	Shalibhadra Intermediates
	28-Nov-19	972530	10.000	Lovely Chemicals
	30-Nov-19	973874	5.000	Trimurti Chemicals
	3-Dec-19	975972	3.000	Trimurti Chemicals
	4-Dec-19	976738	10.000	Shalibhadra Intermediates
	10-Dec-19	981414	10.000	P.G. Chemicals
	16-Dec-19	985765	10.000	Navkar Chemicals
	23-Dec-19	991425	10.000	Navkar Chemicals
	28-Dec-19	995562	10.000	Karn Chem Corporation
	28-Dec-19	995549	10.000	Navkar Chemicals

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CHEMINOVA INDIA LTD. PANOLI

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	3-Jan-20	1000581	10.000	Navkar Chemicals
	10-Jan-20	1005946	4.000	Trimurti Chemicals
	21-Jan-20	1013381	10.000	P.G. Chemicals Industries
	22-Jan-20	1014036	10.000	Shalibhadra Intermediates
	24-Jan-20	1015606	10.000	Akshar Enterprise
	29-Jan-20	1019794	10.000	Shalibhadra Intermediates
	1-Feb-20	1022252	5.000	Trimurti Chemicals
	1-Feb-20	1022228	10.000	Lovely Chemicals
	5-Feb-20	1025273	10.000	Karn Chem Corporation
	17-Feb-20	1033975	10.000	Lovely Chemicals
	19-Feb-20	1035448	10.000	Lovely Chemicals
	20-Feb-20	1036176	2.480	Navkar Chemicals
	22-Feb-20	1037874	20.000	Shalibhadra Intermediates
	24-Feb-20	1039062	20.000	Shalibhadra Intermediates
	27-Feb-20	1040814	6.000	Trimurti Chemicals
	29-Feb-20	1042425	14.640	Shalibhadra Intermediates
	4-Mar-20	1045421	2.000	Trimurti Chemicals
	7-Mar-20	1047528	10.000	Shalibhadra Intermediates
	9-Mar-20	1048894	5.000	Trimurti Chemicals
	12-Mar-20	1050116	5.000	Trimurti Chemicals
	17-Mar-20	1053740	20.000	P.G. Chemicals Industries
	19-Mar-20	1055357	10.000	Navkar Chemicals
	20-Mar-20	1056255	10.000	P.G. Chemicals Industries
	TOTAL QUANTITY (In MT)		1012.72	

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

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
Apr-19	2-Apr-19	861671	18.725	Ohm Dye Chem
	2-Apr-19	861642	19.355	Trimurti Chemicals
	2-Apr-19	862278	18.900	Lovely Chemicals
	6-Apr-19	864001	19.350	Trimurti Chemicals
	6-Apr-19	863996	18.985	Trimurti Chemicals
	8-Apr-19	864895	19.200	Trimurti Chemicals
	12-Apr-19	867482	19.295	Trimurti Chemicals
	13-Apr-19	868011	19.100	Trimurti Chemicals
	15-Apr-19	868984	19.225	Trimurti Chemicals
	15-Apr-19	868900	18.705	Trimurti Chemicals
	18-Apr-19	870654	18.115	Lovely Chemicals
	18-Apr-19	870955	19.325	Trimurti Chemicals
	22-Apr-19	873065	18.820	Trimurti Chemicals
	24-Apr-19	874146	18.690	Trimurti Chemicals
	27-Apr-19	875980	14.545	P.G.Chemicals
	29-Apr-19	876969	18.480	Trimurti Chemicals
May-19	3-May-19	879608	18.660	Trimurti Chemicals
	7-May-19	882033	22.585	Trimurti Chemicals
	13-May-19	885095	19.580	Trimurti Chemicals
	14-May-19	885949	21.900	Trimurti Chemicals
	17-May-19	887473	22.435	Trimurti Chemicals

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	20-May-19	889122	20.000	Trimurti Chemicals
	21-May-19	889870	21.840	Trimurti Chemicals
	25-May-19	892324	22.370	Trimurti Chemicals
	27-May-19	893285	19.795	Trimurti Chemicals
Jun-19	1-Jun-19	896051	19.470	Trimurti Chemicals
	3-Jun-19	896580	19.415	Trimurti Chemicals
	5-Jun-19	897745	19.420	Trimurti Chemicals
	8-Jun-19	899012	19.445	Trimurti Chemicals
	10-Jun-19	899839	19.305	Trimurti Chemicals
	12-Jun-19	900868	22.070	Trimurti Chemicals
	17-Jun-19	902762	22.570	Trimurti Chemicals
	17-Jun-19	902665	18.215	Trimurti Chemicals
Month of disposal	**Date of disposal**	**Manifest No.**	**Quantity, MT**	**Disposed to**
	20-Jun-19	904058	17.765	Trimurti Chemicals
	22-Jun-19	904834	13.495	Trimurti Chemicals
	27-Jun-19	906670	22.490	Trimurti Chemicals
Jul-19	5-Jul-19	909872	18.630	Ohm Dye Chem
	6-Jul-19	910249	18.715	Trimurti Chemicals
	10-Jul-19	911727	24.845	Trimurti Chemicals
	12-Jul-19	912688	24.735	Trimurti Chemicals
	16-Jul-19	914256	19.975	P.G.Chemicals
	16-Jul-19	914269	24.115	Trimurti Chemicals
	25-Jul-19	918140	24.765	P.G.Chemicals
Aug-19	09-Aug-19	923419	18.935	P.G.Chemicals
	14-Aug-19	925111	18.915	P.G.Chemicals
	16-Aug-19	925658	19.460	P.G.Chemicals
	18-Aug-19	926110	19.345	Trimurti Chemicals
	19-Aug-19	926521	18.325	Trimurti Chemicals
	20-Aug-19	926983	19.175	Trimurti Chemicals
	22-Aug-19	927882	19.550	Trimurti Chemicals
	23-Aug-19	928304	13.160	Trimurti Chemicals
	26-Aug-19	929312	19.220	Lovely Chemicals
	28-Aug-19	930104	19.115	Trimurti Chemicals
	30-Aug-19	930979	19.110	Trimurti Chemicals
	30-Aug-19	931152	19.630	Trimurti Chemicals
Sep-19	04-Sep-19	932713	19.145	Trimurti Chemicals
	06-Sep-19	933585	19.205	Trimurti Chemicals
	07-Sep-19	934050	18.990	Trimurti Chemicals
	11-Sep-19	935374	18.985	Lovely Chemicals
	14-Sep-19	936174	19.185	Trimurti Chemicals
	16-Sep-19	936813	19.035	Trimurti Chemicals
	17-Sep-19	937286	25.095	Trimurti Chemicals
	18-Sep-19	937742	17.550	Trimurti Chemicals
	20-Sep-19	938422	17.420	Ohm Dye Chem
	20-Sep-19	938656	18.630	Trimurti Chemicals
	23-Sep-19	939484	15.205	Trimurti Chemicals
	25-Sep-19	940404	18.680	Trimurti Chemicals
	26-Sep-19	940886	18.540	Lovely Chemicals
	28-Sep-19	941762	18.675	Trimurti Chemicals

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Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	30-Sep-19	942263	13.120	Trimurti Chemicals
Oct-19	1-Oct-19	942564	16.880	Ohm Dye Chem
	3-Oct-19	943314	18.640	Trimurti Chemicals
	5-Oct-19	944116	18.750	Trimurti Chemicals
	7-Oct-19	944926	18.200	Trimurti Chemicals
	9-Oct-19	945619	15.445	Trimurti Chemicals
	11-Oct-19	946723	18.655	Trimurti Chemicals
	12-Oct-19	947318	18.390	Trimurti Chemicals
	12-Oct-19	947282	24.195	Trimurti Chemicals
	14-Oct-19	948249	14.495	Ohm Dye Chem
	15-Oct-19	948879	18.670	Trimurti Chemicals
	18-Oct-19	950760	18.695	Trimurti Chemicals
	21-Oct-19	952430	18.765	Trimurti Chemicals
	24-Oct-19	954588	18.530	Lovely Chemicals
	26-Oct-19	955574	15.945	Ohm Dye Chem
Nov-19	2-Nov-19	957136	18.755	Faiz Chemicals
	4-Nov-19	957864	18.180	Trimurti Chemicals
	5-Nov-19	958371	24.040	Trimurti Chemicals
	5-Nov-19	958538	14.255	Trimurti Chemicals
	6-Nov-19	958969	18.670	Trimurti Chemicals
	7-Nov-19	959313	28.010	Trimurti Chemicals
	8-Nov-19	959779	18.735	Lovely Chemicals
	14-Nov-19	962715	27.650	Trimurti Chemicals
	15-Nov-19	963515	17.825	Ohm Dye Chem
	19-Nov-19	945989	27.955	P.G.Chemicals
	22-Nov-19	968165	11.720	Trimurti Chemicals
	23-Nov-19	969074	18.120	P.G.Chemicals
	25-Nov-19	970170	27.570	P.G.Chemicals
	27-Nov-19	971778	26.950	P.G.Chemicals
	27-Nov-19	971895	21.965	Trimurti Chemicals
	29-Nov-19	973340	27.750	P.G.Chemicals
	30-Nov-19	973890	18.475	Trimurti Chemicals
Dec-19	3-Dec-19	975943	24.040	Trimurti Chemicals
	3-Dec-19	975997	18.665	Ohm Dye Chem
	5-Dec-19	977788	18.490	Trimurti Chemicals
	5-Dec-19	977592	24.375	P.G.Chemicals
	7-Dec-19	979471	24.290	Trimurti Chemicals
	10-Dec-19	981583	24.590	Trimurti Chemicals
	20-Dec-19	989341	18.515	Trimurti Chemicals
	25-Dec-19	992727	18.285	Trimurti Chemicals
	27-Dec-19	994715	26.650	Trimurti Chemicals
Jan-20	6-Jan-20	1002742	18.165	Trimurti Chemicals
	8-Jan-20	1004378	16.590	Trimurti Chemicals
	16-Jan-20	1009676	18.190	Trimurti Chemicals
	17-Jan-20	1010382	18.755	Trimurti Chemicals
	20-Jan-20	1012483	24.465	Trimurti Chemicals
	23-Jan-20	1015083	24.350	Trimurti Chemicals
	25-Jan-20	1016541	24.420	Trimurti Chemicals
	27-Jan-20	1018035	24.585	Trimurti Chemicals
	28-Jan-20	1018989	22.115	Trimurti Chemicals

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Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
	28-Jan-20	1018939	23.510	Trimurti Chemicals
	28-Jan-20	1018927	17.250	Ohm Dye Chem
Feb-20	3-Feb-20	1023618	24.355	Trimurti Chemicals
	4-Feb-20	1024466	24.480	Trimurti Chemicals
	7-Feb-20	1026696	11.950	Ohm Dye Chem
	8-Feb-20	1027565	24.530	Trimurti Chemicals
	13-Feb-20	1031298	23.435	Trimurti Chemicals
	14-Feb-20	1032053	18.415	Trimurti Chemicals
	17-Feb-20	1034052	24.555	Trimurti Chemicals
	18-Feb-20	1034810	11.740	Trimurti Chemicals
	20-Feb-20	1036481	24.300	Trimurti Chemicals
	22-Feb-20	1037933	25.020	Trimurti Chemicals
	27-Feb-20	1040936	24.825	Trimurti Chemicals
	28-Feb-20	1041914	19.500	Trimurti Chemicals
Mar-20	2-Mar-20	1043857	23.305	Trimurti Chemicals
	4-Mar-20	1045486	23.680	Trimurti Chemicals
	7-Mar-20	1047787	23.640	Trimurti Chemicals
	9-Mar-20	1048920	21.170	Trimurti Chemicals
	12-Mar-20	1050185	24.895	Trimurti Chemicals
	14-Mar-20	1051654	19.255	Trimurti Chemicals
Month of disposal	**Date of disposal**	**Manifest No.**	**Quantity, MT**	**Disposed to**
	16-Mar-20	1052990	25.185	Trimurti Chemicals
	18-Mar-20	1054618	24.790	Trimurti Chemicals
	20-Mar-20	1056229	23.510	Trimurti Chemicals
	23-Mar-20	1057478	14.325	Trimurti Chemicals
	TOTAL QUANTITY (In MT)		**2890.855**	

6 Sodium Sulphite Cat: Not Applicable

Month of disposal	Date of disposal	Manifest No.	Quantity, MT	Disposed to
Jul-19	24-Jul-19	917823	23.230	Trimurti Chemicals
	25-Jul-19	918218	22.780	Trimurti Chemicals
	30-Jul-19	920081	22.325	Trimurti Chemicals
Aug-19	01-Aug-19	920871	22.970	Trimurti Chemicals
	02-Aug-19	921157	22.990	Trimurti Chemicals
	05-Aug-19	921976	22.955	Trimurti Chemicals
	08-Aug-19	923135	23.225	Trimurti Chemicals
Oct-19	1-Oct-19	942657	24.285	Trimurti Chemicals
	9-Oct-19	945603	24.085	Trimurti Chemicals
	17-Oct-19	950098	12.790	Trimurti Chemicals
	17-Oct-19	950051	24.740	Trimurti Chemicals
	23-Oct-19	954029	18.190	Trimurti Chemicals
	TOTAL QUANTITY (In MT)		**264.565**	

DATE: 5th June 2020

PLACE: Panoli

CHEMINOVA INDIA LTD. PANOLI

Signature of Factory manager /Occupier

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Annexure 5 -ENVIRONMENTAL STATEMENT – FORM V (2019-2020)

FMC | An Agricultural Sciences Company

ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007
ID 9108627522

Cheminova India Limited
Intermediate Division
(27+28)/A, GIDC Estate,
Panoli - 394 116
Dist. Bharuch (Gujarat)
India.

Phone : +91 9033978622-26
fmc.com / fmc.in
CIN NO. L24100MH1986PLC038627

Ref No. CIL/ INTER/Form -V/2019-20 /09/05/20

ID: 15016

Date: 5Th September 2020

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 2019-20

Respected Sir,

Please find enclosed the duly filled Environment Statement in Form-V for the financial year 2019-20.

Please acknowledge the same.

This is for your kind perusal please

Thanking you,

Yours faithfully,

Cheminova India Limited. Panoli.
Intermediate Division

RECEIVED
Gujarat Pollution Control Board
Reg Ankleshwar
Date 5-9-2020

Enclosures: Form —V

CC To: Regional Officer, GPCB, Ankleshwar.

FORM - V
(See Rule 14)

From :

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

To:

Gujrat Pollution Control Board,
Paryavaran Bhavan, sector 10 A
Gandhinagar -382043

Environmental Statement for the financial year ending the 31st March, 2020

PART -A

i) Name & address of the Owner/Occupier of the industry, operation or process	- **Mr.Manoj Khanna** CHEMINOVA INDIA LTD. Intermediate Division Plot no (27+28)/A GIDC Panoli,Tal Ankleshwar Dist Bharuch
ii) Industry category	- LSI
Primary :- (STC Code)	Not Applicable
Secondary:- (SIC Code)	Not Applicable
iii) Production capacity:- Units	- ANNEXURE-1
iv) Year of establishment	- 1998
v) Date of the last environmental statement submitted	- 24 th July 2019

PART -B

Water & Raw Material Consumption

i) Water consumption - M^3/day		363	m3/day
Process	-	134	m3/day
Cooling	-	182	m3/day
Domestic	-	25	m3/day
Gardening	-	22	m3/day

Name of products	Process water consumption per product output (Lit./ Kg)	
	During the previous financial year 2018-2019 (1)	During the current financial year 2019-2020 (2)
(1) Diethyl Thio Phosphoryl Chloride	8.99	11.00
(2)Azole group based products (Florasulam)	52.00	55.00
(3) Ester group based products (Clodinofop / Phenoxy Propionate)	51.00	0.00
(4)Bixlozone (F-9600)	0.00	12.00

ii) Raw Material consumption

	* Name of raw materials	Name of Products	Consumption of raw material per unit of output	
			During the previous financial year 2018-2019	During the Current financial year 2019-2020
1	Phosphorous	DETPC	0.191	0.192
2	Sulphur		0.491	0.494
3	Ethanol		0.736	0.806
4	Caustic lye		0.134	0.282
5	Chlorine		0.408	0.508
6	Soda Ash		0.236	0.212

CHEMINOVA INDIA LIMITED PANOLI

7	Homet P	Azole group based products (Florasulam)	0.735	0.742
8	TEA		1.021	1.026
9	POCl3		0.865	0.870
10	Hydrazine Hydrate		0.404	0.396
11	H2O2		0.401	0.399
12	CS2		0.466	0.462
13	Chlorine		0.981	0.918
14	DFA		0.568	0.502
15	Toluene		0.549	0.416
16	Caustic lye - 100 %		1.532	1.534
17	Methanol		0.717	0.467
18	30% HCl		2.197	2.159
19	MDC		1.114	0.643
20	SBS		0.574	0.590
21	,ACN		0.291	0.276
22	IPA		0.391	0.305
23	Sodium Methoxide-25%		2.435	2.422
24	TBAHS		0.028	0.028
25	Comman salt		0.269	0.253
26	Soda Ash		0.023	0.015
27	Sodium Bi carbonate		.--	1.228
28	K2CO3		.--	0.335
29	HPPA	**ESTER GROUP BASED PRODUCTS (CLODINAFOP)**	0.625	No production
30	DFCP		0.579	
31	DMSO		0.365	
32	KOH		0.541	
33	Boric Acid		0.084	
34	30% HCL		0.853	
35	Toluene(Fresh)		0.045	
36	Thionyl Chloride		0.511	
37	Propargyl Alcohol		0.307	
38	Isp propayl Alcohol		0.059	
39	Tri Ethyl Amine		0.087	
40	Caustic Lye		0.593	
41	Caustic Flakes		0.036	
42	Soda Ash		0.013	
43	Toluene(Recovered)		0.345	
44	Isoxazolidinone solution,	**Bixlozone (F-9600)**	No production	0.629
45	Heptane			0.117
46	2, 4-DCBC			0.980
47	TBAB catalyst			0.075
48	48%Caustic lye			0.115

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

PART-C

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

i)	Pollutants	Quantity of pollutants discharged (mass/day) TPD except pH & Temp.	Concentrations of pollutants in discharges (mass/volume) mg/l except pH & Temp.	Percentage of variation from prescribed standard with reasons
Average Flow 149.27 m3/d.				
a)	**Water**	**TPD**	**mg/L**	
	Total Dissolved Solid	1.0582	7089	.--
	Total Suspended Solid	0.0102	68.42	.--
	Chemical Oxygen Demand	0.0428	286.83	.--
	Biological Oxygen Demand	0.0120	80.25	.--
	Ammonical Nitrogen	0.0029	19.60	.--

CHEMINOVA INDIA LIMITED PANOLI

b) Air		TPD	mg/Nm³	
Sulphur Furnace				
	SPM	0.0041	37.83	--
	SOx	0.0025	23.583	--
	NOx	0.0017	15.67	--
	Cl2	BDL	BDL	--
	HCl	BDL	BDL	--
	CO	0.0014	13.250	--
Vent Incinerator				
	SPM	0.0066	35.67	--
	SOx	0.0077	41.583	--
	NOx	0.0038	20.33	--
	Cl2	BDL	BDL	--
	HCl	BDL	BDL	--
	CO	0.0032	17.333	--
Boiler				
	SPM	0.062	73.08 mg/nm3	--
	SOx	0.016	18.33 ppm	--
	NOx	0.023	26.92 ppm	--

PART-D

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

Hazardous wastes		Total Quantity (kg) During the previous financial year 2018-2019	Total Quantity (kg) During the current financial year 2019-2020
a) From Process			
Category	Type of Waste		
	(1)Recovered Sulphur	76,960	24415
	(2)Used Oil	540	460
	(3) Evaporation Salt	-	0
	(4) Non Recyclable Plastic	61,960	25730
	& Insulation Waste		0
	(5) Incineration Waste	177,720	13415
	& Co Processing	50,190	255580
	(6) Asbestous Sheet	32,720	10760
b) From Pollution Control facilities			0
	ETP Sludge	1,296,065	1289000
By products	Sodium Hydro sulfide 30%	2,887,290	2441061
	Hydrochloric Acid 30%	3,537,855	3230880
	Phosphoric Acid	615,165	490140
	Sodium Bisulphite Powder	1,428,720	1012720
	Sodium Sulphite 30%	666,480	264565
	Sodium Bisulphite Solution (30%)	2,773,555	2890855

PART -E

Solid Wastes

	Total Quantity in Kgs During the previous financial year 2018-2019	Total Quantity in Kgs During the current financial year 2019-2020
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	94680	Nil
3)Disposed	Nil	Nil

CHEMINOVA INDIA LIMITED PANOLI

PART -F

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

KINDLY REFER ANNEXURE-2

PART -G

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

(1) Use of Furnace oil in Bolier has been stopped and Bio-Fuel (Briquette) Boiler is in operation most of time and Natural Gas Boiler is used as stand by

(3) Aggrement had been made woth Solar Power suplier and Use of solar power will be started

PART -H

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

The plant has an Management System certified against the international Standard ISO-14001:2016 and OHSAS : 18001:2007 & ISO 9001:2016 which encompasses, inter alia, measures for cost reduction and conservation of resources

Continuous 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) Acartion Tank -3 has been claened and revamed to have effective working volume

(2) Permanent shed was provided to Hazardous waste storage area

Date: 5-Sep-20

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

Name: Vipul S Patel

Designation: Factory Manager

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

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	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
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
8	Aniline group Bases products [Pendirnethalin (H), Fluazinam (F), Metaiaxyi (F), Famoxadone (F)] etc.	1200
9	Azine group based product Fenpyroximate (I), Metribuzin (H), Pymetrozine (I), Amitraz (I), Indoxacarb (I), Clofentezine (I), 2 Methoxy -4-Methyl-6-Methylamino-l,3,5-Triazine (MMMT) (Int)] etc.	300
10	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
11	Carbamate group based product [Thiodicarb (I), Propineb (F), Metiram (F), Thiram (F), Cartap hydrochloride (I), Thiophanate Methyl (F)] etc.	500
12	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
13	Ether group based products [Propargite (I), oxyfluorfen (H), S-Cyano MPB (Int), 2 Ethoxy Ethyl Amine (Int)]etc.	200
14	Ketone group based product [Mesotrione (H), Suctioned (H), Isoxaflutole (H), Dimethomorph (F), Isobutyrophenone (IBP) (Int)]etc.	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
16	Pyridine group based product [Pyridalyl (I), Imazethapyr (H) Cloquintocct Mexyl (H), Acetamiprid (I), 4,6-DiChloro Pyridine (Int)], Azoxvstrobin (F) etc.	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
18	Phenol group based product [2-Cyanophenol (Int), 4- Fluro-3 trifluromethyl phenole (Int)]etc.	75

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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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