SIX MONTHLY EC
CONSOLIDATED COMPLIANCE REPORT
F. NO: IA-J-11011/3/2017-IA-II(I)
(DECEMBER - 2020 to MAY - 2021)
For

M/s. GUJARAT INSECTICIDES LIMITED

(Manufacturing of Agrochemicals& Specialty Chemicals)

Plot no. 805, 806,
GIDC Estate, Ankleshwar-393 002,
Dist. Bharuch, Gujarat, India

Submitted to:

The Ministry of Environment, Forests & Climate Change

Regional Office, (WZ)
E - 5, "Kendriya Paryavaran Bhavan", Link Road No.3,
E-5 Area Colony, Ravishankar Nagar,
Bhopal - 462 016, State: M.P., India

INDEX OF ANNEXURES

INDEX OF PHOTOGRAPHS

A - Six Monthly Monitoring Report - DATA SHEET

Monitoring the Implementation of Environmental Safeguards

Ministry of Environment, Forests & Climate Change

Regional Office (W), Bhopal

Six Monthly Monitoring Reports

PART - 1

From: 01.12.2020 TO 31.05.2021

F. NO: IA-J-11011/3/2017-IA-II(I)

1	Project Type : River-Valley / Mining Industry / Thermal / Nuclear / other (Specify)	:	Industry (Chemical)
2	Name of the Project	:	Expansion of Agrochemicals, Intermediates and Polymers Manufacturing Unit by M/s. Gujarat Insecticides Limited, Plot No. 805/806, GIDC Estate, Ankleshwar, District: Bharuch(Gujarat).
3	Clearance Letter(s)/ OM No. & Date	:	IA-J-11011/3/2017-IA-II(I) Date:29th August 2018
4	Location		
	a]. District (s)	:	Bharuch
	b]. State (s)	:	Gujarat
	c]. Latitude / Longitude	:	21°36'59.34" N & 73°1'2.32" E
5	Address for Correspondence	:	Plot No. 805/806, GIDC Estate, Ankleshwar, Dist. Bharuch, Gujarat, India
	a]. Address of Concerned Project Chief Engineer with Pin code & Telephone / Telex / Fax Numbers.	:	Mr. R.N. Chhawsaria (Factory Manager) Ph : 02646-250305, Mobile – 9825415227
	b]. Address of Executive Project Engineer / Manager (with Pin code / Fax Number)	:	Mr. R.N. Chhawsaria (Factory Manager) Ph : 02646-250305, Mobile – 9825415227
6	Salient Features		
	a]. Of the Project	:	Expansion of Agrochemicals, Intermediates and Polymers Manufacturing Unit from present capacity of 4180 TPA to 21650 TPA Please refer **Part – A.**
	b]. Of the Environmental Management Plans	:	Company having adequate environment protection facilities and experienced staff to control and prevent environment. Please refer **Part-B**

A. Salient Features of project:

Components	:	Proposed Scenario
EC No.	:	IA-J-11011/3/2017-IA-II(I) Date:29th August 2018
Environmental Clearance accorded for -	:	Expansion of Agrochemicals, Intermediates and Polymers Manufacturing Unit from present capacity of 4880 TPA to 21650 TPA
Power Requirement	:	3000 KVA
Source of Power	:	Dakshin Gujarat Vij Co. Ltd.
Fresh Water requirement	:	Total water requirement is 2994 cum/day out of which fresh water requirement is 2152 cum/day & 842 cum/day will be the recycled water.
Source of Water Supply	:	GIDC water supply
Wastewater Generation	:	820 KLD + 1122 KLD Existing 820 KLD (750 KLD Industrial + 70 KLD Domestic) is discharged into u/g pipeline connected to FETP of M/s. Narmada Clean Tech for final disposal in deep sea. Additional 1122 KLD (1027 KLD Industrial + 95 KLD Domestic) effluent will be generated from the expansion and industrial effluent shall be recycled back to process. Domestic effluent shall be treated in STP & treated water shall be utilized for Green Belt maintenance.
Process Emissions	:	As per **Annexure – 12** **(List Of Flue Gas Stack And Process Stack)**
Flue Gas Emission	:	As per **Annexure – 12**

B. Environment Management Plan:

<table>
<tr><th>Sr. No.</th><th>Activity</th><th>Status</th></tr>
<tr><td>A</td><td>Formation of EHS cell
Constitutes EHS in charge, ETP supervisors and operators, Lab chemist and assistants</td><td>EHS staff is recruited by company for EHS cell.
Site Head,
Factory Manager
GM QA and R & D,
Sr. Manager, HSE
Environment Engineer: 03
Officers:3
Lab Chemist: 05
Technician: 06
Plant Helper: 12</td></tr>
<tr><td>B</td><td>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</td><td>• Monitoring is done through NABL and MoEF&CC appro Laboratory (M/s. Kadam Enviro) appointed by Comp All the AAQM parameters are monitored on quarterly b & are within the limits.
• We have provided online monitoring system for fugitive emissions like Cl2, Br2 and Hydrocarbons and Leak Detection & Repair SOP are followed. Work area monitoring is carried out through NABL and MoEF&CC approved Laboratory (M/s. Kadam Enviro) appointed by Company on quarterly basis.
• Green Belt area - 33 % is provided and maintained in and around the company. As per Photograph - 4
• Closed material handling system is provided for the Solid raw materials i.e. Coal, Lime, etc.,
• Fuel consumption data are given as below:
<table>
<tr><th>Month</th><th>Natural Gas Consumption (Nm3)</th><th>HSD Consump (Liter)</th><th>Coal (MT)</th></tr>
<tr><td>Dec-20</td><td>58726.2</td><td>16049</td><td>1094.9</td></tr>
<tr><td>Jan-21</td><td>22468</td><td>9402</td><td>1130.9</td></tr>
<tr><td>Feb-21</td><td>23583</td><td>2705</td><td>943.5</td></tr>
<tr><td>Mar-21</td><td>70964</td><td>10750</td><td>1141.2</td></tr>
<tr><td>Apr-21</td><td>56660</td><td>20717</td><td>1057.5</td></tr>
<tr><td>May-21</td><td>69381</td><td>50147</td><td>1082</td></tr>
</table></td></tr>
<tr><td>c</td><td>For Water Environment Management
• To investigate possibilities of water reuse and recycling for reducing water</td><td>• Reuse and recycling options are implemented and continued. e.g. MEE condensate is reused in process and STP water is reused in Gardening.</td></tr>
</table>

<table>
<tr>
<td></td>
<td>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 CTO 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.</td>
<td>• Water consumption & Effluent discharge data are given as below:
<table>
<tr><th>Month</th><th>Water Consumption (KL)</th><th>Effluent Generation (KL)</th></tr>
<tr><td>Dec-20</td><td>27479</td><td>11759</td></tr>
<tr><td>Jan-21</td><td>31848</td><td>17893</td></tr>
<tr><td>Feb-21</td><td>23064</td><td>14010</td></tr>
<tr><td>Mar-21</td><td>32322</td><td>16786</td></tr>
<tr><td>Apr-21</td><td>25600</td><td>12352</td></tr>
<tr><td>May-21</td><td>30521</td><td>17439</td></tr>
</table>
• Records of the treated effluent characteristics are maintained.
• Online CEMS for effluent discharge is installed and is connected to GPCB / CPCB server.
• ETP is operating efficiently and adequacy is verified and certified by Environment Auditor. Annexure–13

• Preventive maintenance of all EMS units is taken periodically and repairs are done immediately.

• Housekeeping is maintained regularly.</td>
</tr>
<tr>
<td>D</td>
<td>For Hazardous / Non-hazardous waste management
• Proper storage and handling arrangements in compliance to the conditions of authorization granted by SPCB.

• Proper signboards to be provided at relevant places.

• All the necessary regulatory procedures as per the amended Hazardous Waste Management & Handling Rules – 2003 to be followed and adhered with.

• The transportation of hazardous waste to the TSDF Site to be as per the guidelines and accompanied with Form-9.
• Monthly records of generation, storage and disposal of hazardous waste should be maintained in a record</td>
<td>• Proper storage and handling is done as per compliance conditions of Authorization granted by SPCB - Photograph No. – 5

• Proper Sign Boards are provided in whole premises - Photograph No.- 6

• All necessary regulatory procedures are strictly followed as per amended Hazardous Waste Management & Handling Rules-2003 and its Work Instruction is attached as per Annexure - 14

• Transportation and disposal of Hazardous Waste is as per guidelines and GPCB.

• Form No. 3, 4 & D2 (Monthly-Patrak) are maintained regularly as per Annexure – 15</td>
</tr>
</table>

	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.	

7	Break Up of the Project Area	:	Project is located in Non-Forest area. Unit is located in G.I.D.C Ankleshwar. Plot No. 805-806, G.I.D.C Ankleshwar.
	a]. Submergence area : forest & Non-forest		
	b]. Others		
8	Breakup of the project affected population with enumeration of those losing houses / dwelling units, only agricultural land, dwelling units & agricultural land & landless laborers / artisan.	:	Project site located in G.I.D.C Ankleshwar so it is not applicable.
	a]. SC, ST/ Adivasi	:	Project site located in G.I.D.C Ankleshwar so it is not applicable.
	b]. Others	:	Project site located in G.I.D.C Ankleshwar so it is not applicable.
	(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)	:	Project Site located in G.I.D.C Ankleshwar so it is not applicable.
9	Financial Details:		
	a]. Project cost as originally planned and subsequent revised estimates and the year of price reference	:	Capital Cost: Rs. 193 crore (for proposed expansion) and project will be completed within that budgetary Amount.
	b]. Allocation made for environmental management plans with item wise and year wise break-up.	:	A detail of budget allocation sheet for EMP is as per **Annexure – 16**
	c]. Benefit cost ratio / Internal rate of return and the year of assessment	:	---
	d]. Whether (c) includes the cost of environmental management as shown in the above	:	---
	e]. Actual expenditure incurred on the project so far	:	Rs.33.6095 Crores till May'21
10	Forest land Requirement	:	Non Forest area - Unit is located in GIDC, Ankleshwar (Notified area)
	a]. The status of approval for diversion of forest land for non-forestry use	:	---
	b]. The Status of clearing felling	:	---
	c]. The status of compensatory a forestation, if any	:	---
	d]. Comments on the viability & sustainability of compensatory a forestation programs in the light of actual field experience so far	:	---
11	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.	:	Non Forest area - Unit is located in GIDC Ankleshwar (Notified area)

12	Status of construction		
	a]. Date of commencement (Actual and / or Planned).	:	June 2018
	b]. Date of completion (Actual and / or Planned)	:	June 2023
13	Reasons for the delay if the project is yet to start	:	No delay.
14	Dates of site visits		
	a]. The dates on which the project was monitored by the Regional Office on Previous occasions, if any	:	MoEF & CC Regional Office visit on 05.04.2018. Gujarat Pollution Control Board last visited on 09.10.2020 & 22.09.2020
	b]. Date of site visit for this monitoring project	:	05.04.2018 by MoEF & CC.
15	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	:	No Correspondence
	(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.)	:	

Compliance Report of EC:

ENVIRONMENTAL CLEARANCE

F. No. IA-J-11011/3/2017-IA-II (I)

Sr. No.	EC Conditions	Compliance Status
2.	The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of Agrochemicals, Intermediates and Polymers manufacturing unit from the present capacity of 4180 TPA to 21650 TPA (Agrochemicals from 3830 TPA to 20600 TPA and Organic chemicals/ polymers from 350 TPA to 1050 TPA) by M/s. Gujarat Insecticides Limited at Plot No. 805/806, GIDC Estate, Ankleshwar, District Bharuch (Gujarat).	Consent To Establish (CTE) for the proposed project obtained from Gujarat Pollution Control Board on Dated: 08.06.2018 and CTE Amendment No: CTE - 90532. Copy for the same is attached as **Annexure 3**.

<table>
<tr><th>Sr. No.</th><th>EC Conditions</th><th>Compliance Status</th></tr>
<tr><td>3.</td><td>The details of products are as under:-</td><td>The unit has applied for the CC&A for Change in Product mix having application no. 171211 on date 14.02.2020. Same has been granted by GPCB on date 12.06.2020 having CCA amendment no. AWH-108370 valid up to 13.03.2022. Copy of CCA for Product Mix is attached as Annexure No. 17
Following is the Product list.

<table>
<tr><th rowspan="2">Sr. No.</th><th rowspan="2">Products</th><th rowspan="2">CAS No.</th><th colspan="3">Production Capacity</th><th rowspan="2">Remarks</th></tr>
<tr><th>Existing</th><th>Proposed</th><th>After Change in Product Mix</th></tr>
<tr><td colspan="7">Group 1</td></tr>
<tr><td rowspan="5">1</td><td>Fenvalerate</td><td>51630-58-1</td><td rowspan="5">100 MT/Year (8.333 MT/Month)</td><td rowspan="5">100 MT/Year (8.333 MT/Month)</td><td rowspan="5">100 MT/Year (8.333 MT/Month)</td><td rowspan="5">Either or combination of the Products</td></tr>
<tr><td>Lambda Cyhalothrin</td><td>91465-08-6</td></tr>
<tr><td>Bifenthrin</td><td>82657-04-3</td></tr>
<tr><td>Deltamethrin</td><td>52918-63-5</td></tr>
<tr><td>Thiamethoxam</td><td>153719-23-4</td></tr>
</table>
</td></tr>
</table>

Sr. No.	EC Conditions	Compliance Status

Sr. No	Product	Existing		Proposed	
		TPM	TPA	TPM	TPA
1.	Fenvalerate/ Lambda Cyhalothrin/ Bifenthrin/ Deltamethrin/Thiamethoxam/ Buprofezin	8.33	100	191.67	2300
2.	Quinalphos/ Triazophos/ Chlorpyriphos/ Temephos/ Methyl Chlorpyriphos/ Profenophos	100	1200	100	1200
3.	Meta Phenoxy Benzaldehyde (MPB) / Dichloro Phenol (DCP)	200	2400	300	3600
4.	Indoxacarb/ Tricyclazole/ Hexaconazole/ Propiconazole/ Metalaxyl	10.83	130	189.17	2270
5.	Dicamba	--	--	416.66	5000

	Buprofezin	69327-76-0				
	Permethrin	52645-53-1	--			
Group 2						
2	Quinalphos	13493-03-8	2400 MT/Year (200 MT/Month)	--	2400 MT/Year (200 MT/Month)	Either or combination of the Products
	Triazophos	24017-47-8				
	Chlorpyriphos	2921-88-2				
	Temephos	3383-96-8				
	Methyl Chlorpyriphos	5598-13-0				
	Profenophos	41198-08-7				
Group 3						
3	Meta Phenoxy Benzaldehyde (MPB)	39515-51-0	3600 MT/Year (300 MT/Month)	3600 MT/Year (300 MT/Month)	3600 MT/Year (300 MT/Month)	Either or combination of the Products
	Dichloro Phenol (DCP)	583-78-8				
	Meta Phenoxy Benzaldehyde Acetal	62373-79-9	--			
	Meta Phenoxy Benzaldehyde Alcohol	13826-35-2	--			
Group 4						

Sr. No.	EC Conditions						Compliance Status							
	6.	Diafenthiuron	--	--	100	1200	4	Indoxacarb	173584-44-6	600 MT/Year (50 MT/Month)	600 MT/Year (50 MT/Month)	600 MT/Year (50 MT/Month)	Either or combination of the Products	
	7.	Carbendazim	--	--	100	1200		Tricyclazole	41814-78-2					
	8.	Crude Pigment Violet-23 / Poly Ether Ketone (PEK) / Poly (2,5 Benzamidazole) (ABPBI) / Poly Ether Ketone Ketone (PEKK) / Polybenzoxazole (ABPBO) / Poly Ether Imide (PEI)	25e	300	58.33	700		Hexaconazole	79983-71-4					
								Propicanazole	60207-90-1					
								Metalaxyl	57837-19-1					
								Meta Phenoxy Benzaldehyde Acetal	62373-79-9	--				
								Meta Phenoxy Benzaldehyde Alcohol	13826-35-2	--				
	9.	N-AcetoacetylAminobenzimidazolone (NAA)	4.16	50	--	--	**Group 5**							
							5	Diafenthiuron	80060-09-9	1200 MT/Year (100 MT/Month)	600 MT/Year (50 MT/Month)	600 MT/Year (50 MT/Month)	Total production shall not exceed 1200 MT/Year (600 Diafenthiuron, MPB Acetal	
								Meta Phenoxy Benzaldehyde Acetal	62373-79-9	--				
								Meta Phenoxy Benzaldehyde Alcohol	13826-35-2	--				
								Amino Pyrazole	120068-79-3	--	600 MT/Year	600 MT/Year		
		Total		**4180**		**17470**								

Sr. No.	EC Conditions	Compliance Status						
					(50 MT/Month)	(50 MT/Month)	, MPB Alcohol & 600 MTA Amino Pyrazole)	
		Group 6						
		6	Carbendazim	10605-21-7	300 MT/Year (25 MT/Month)	300 MT/Year (25 MT/Month)	300 MT/Year (25 MT/Month)	Either or combination of the Products
			Meta Phenoxy Benzaldehyde Acetal	62373-79-9	--			
			Meta Phenoxy Benzaldehyde Alcohol	13826-35-2	--			
		Group 7						
		7	Crude Pigment Violet – 23	215247-95-3	300 MT/Year (25 MT/Month)	-	300 MT/Year (25 MT/Month)	Either or combination of the Products
			Poly Ether Ketone (PEK)	27380-27-4				
			Poly Ether Ketone Ketone (PEKK)	74790-25-5				

Sr. No.	EC Conditions	Compliance Status						
			Poly (2, 5 Benzamidazole)(ABPBI)	89718-41-2				
			Polybenzoxazole (ABPBO)	89718-41-2				
			Poly Ether Imide (PEI)	61128-46-9				
		Group 8						
		8	N – Acetoacetyl Aminobenzimidazolone (NAA)	26576-46-5	50 MT/Year (4.166 MT/Month)	50 MT/Year (4.166 MT/Month)	50 MT/Year (4.166 MT/Month)	Either or combination of the Products
			Meta Phenoxy Benzaldehyde Acetal	62373-79-9	--			
			Meta Phenoxy Benzaldehyde Alcohol	13826-35-2	--			
			Meta Bromo Benzaldehyde	3132-99-8	--			
		Group 9						
		9	Bromine Recovery	7726-95-6	700 MT/Year (58.333 MT/Month)	-	700 MT/Year (58.333 MT/Month)	--
		Total			**9250 MT/Year**	**-**	**9250 MT/Year**	--

<table>
<tr><th>Sr. No.</th><th>EC Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td></td><td></td><td></td><td>(770.833 MT/Month)</td><td></td><td>(770.833 MT/Month)</td><td></td></tr>
<tr><td>10</td><td>Formulation of Technical Product</td><td>-</td><td>5000 KL</td><td>-</td><td>5000 KL</td><td>-</td></tr>
<tr><td>11</td><td>Captive Power Plant – Gas Based</td><td>-</td><td>0.945 MW</td><td>-</td><td>0.945 MW</td><td>-</td></tr>
<tr><td>12</td><td>Captive Power Plant – DG Set (1500 KVA)- Stand by</td><td>-</td><td>1500</td><td>-</td><td>1500</td><td>-</td></tr>
</table>
</td></tr>
<tr><td>4.</td><td>The existing land area is 73084 sq.m, no additional land will be required for the proposed expansion. Industry has developed greenbelt in an area of11786.73 sq.m out of the total area. The estimated project cost for expansion is Rs.193.02 crore, out of which Rs. 55.75 crore will be utilized for upgradation and augmentation of environment management system. The project will provide employment for 610 persons as direct and 300 persons indirect after expansion.</td><td>GIL undertakes to develop greenbelt in 25054.38 m^2 from total plot area of 73,084 m^2 in the factory premises (34%). Photograph of Existing greenbelt is attached as Photograph 4.

COMPLIED</td></tr>
</table>

Sr. No.	EC Conditions	Compliance Status
5.	There are no National Parks, Wildlife sanctuaries, Biosphere reserves, Tiger/ Elephant reserves, Wildlife corridors etc. within 10 km (E) from project site. Amravati river is flowing at a distance of 6.49 km (E) from project site.	Gujarat Insecticide Limited is in Industrial Notified Authority Area of GIDC Ankleshwar. Hence this condition is not applicable.
6.	Total water requirement is estimated to be 2994 cum/day, of which fresh water requirement 2152 is cum/day proposed to be met from GIDC water supply. Presently, 820 KLD of effluent (750 KLD industrial + 70 KLD domestic) is treated in ETP having primary, secondary, and tertiary treatment. Treated effluent is discharged into the underground pipeline connected to FETP of M/s. Narmada Clean Tech for final disposal in deep sea. Boiler and cooling tower blow down of 162 KLD shall be reused for washing and then sent to ETP. Additional 1027 KLD of industrial effluent generated from the expansion shall be treated in ETP and further subjected to RO. RO permeate of 842 KLD shall be recycled back to process, and RO reject shall be sent to MEE for further treatment. Further, 95 KLD of domestic effluent shall be treated in STP (110KLD) & treated water shall be utilized for green belt maintenance. 2). Total power requirement after expansion will be 3000KVA (1800 KVA + 1200 KVA), which will be sourced from DGVCL. After commencement of 3 MW Power Plant, the power supply from DGVCL shall be used only when required. The unit have two D.G set of capacities 1250 KVA & 700KVA. Additionally, two D.G sets of 1500 KVA each are proposed as standby source of electricity. Existing unit has two thermic fuel heater one fuel heater of 2 lakh kcal/hr capacity (HSD/NG) and coal/ briquette fired boiler of 10 TPH capacity. Additionally, it is proposed to have three (2 lakh kcal/hr) & two (4 lakh kcal/h) HSD/NG fired thermic fuel heaters and a coal fired boiler of 25 TPH. Steam from the boiler shall be utilized for 3 MW power plants and for process. Stack of adequate height will be provided to the heaters/ boilers/ DG sets as per CPCB norms. Alkali scrubbers/ two stage water scrubbers will be used for pollution control system.	CCA for Change in Product Mix is obtained from the GPCB on date 12.06.2020 and CCA Amendment No. AWH-108370. Copy is attached as **Annexure 17.** As per the CTO Obtained, following are the details of the water consumption and wastewater generation. **Water Consumption: 1222 KLD** - **(**Domestic 90 KLD + Gardening 40 KLD + Industrial 1092 KLD) **Wastewater Generation: 979 KLD** - (Domestic 75 KLD + Industrial 904 KLD) **Mode of disposal of effluent:** a. Industrial wastewater from Process (197 KL/Day), Boiler (216 KL/Day), Washing (411 KL/Day) and Cooling (28 KL/Day out of 80 KL/day) – Total 852 KL/Day is treated in ETP within premises and treated waste water (750 KL/Day) is being discharged into NCT pipeline and remaining treated waste water (102 KL/Day) is sent to in-house MEE followed by RO. b. Treated waste water (102 KL/Day) along with RO Reject (29 KL/Day) is treated in in-house MEE. MEE condensate (118 KL/Day) along with Waste Water from cooling (52 KL/Day) – Total 170 KL/Day is treated in RO. RO Permeated (141 KL/Day) is reused in cooling tower. c. Domestic waste water (75 KL/day) is treated in STP (Cap. 110 KL/day) & treated water is utilized for green belt maintenance.

<table>
<tr><th>Sr. No.</th><th>EC Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>2). Existing Power requirement is 2300 KVA. Additionally, we have provided 1500 KVA D G Set for standby power.
b. Currently 10 TPH boiler is in operation. Design & detailing for installation of 25 TPH is being done.
3). Unit has provided One 2 Lakh kcal/h capacity fuel heater for the proposed partial expansion.
4.Boiler stack of 30mtrs is provided with OCEMS and is under operations.</td></tr>
<tr><td>7.</td><td>The solid/ hazardous waste generation and its management are as under:
<table>
<tr><th>Sr. No</th><th>Type</th><th>Sch.</th><th>Category (As Per Schedule) Rules, 2016</th><th>Total generation after expansion (MTPA)</th><th>Source of generation</th><th>Mode of disposal</th></tr>
<tr><td>1.</td><td>Spent Solvent</td><td>I</td><td>20.2</td><td>36</td><td rowspan="3">From Process</td><td>Sent to CHWIF for Incineration</td></tr>
<tr><td>2.</td><td>Distillation Residues</td><td>I</td><td>20.3</td><td>6348</td><td rowspan="2">Sent to CHWIF for incineration OR Selling to M/s. Ultra tech Cement Ltd. and M/s. Ambuja Cement Ltd. for Co-processing</td></tr>
<tr><td>3.</td><td>Process Waste Sludge/ Residue containing acid, Toxic metals, organic compounds</td><td>I</td><td>26.1</td><td>816</td></tr>
<tr><td>4.</td><td>Process wastes or residues</td><td>I</td><td>29.1</td><td>720</td><td>From detoxification of effluent</td><td>Sent to CHWIF for Incineration</td></tr>
<tr><td>5.</td><td>Sludge containing residual pesticides</td><td>I</td><td>29.2</td><td>9000</td><td>From ETP</td><td>Sent to common TSDF site</td></tr>
</table></td><td>Hazardous waste statement in Form - 4 is submitted regularly. Copy is attached as Annexure 1.
Six monthly dispatch records for the period of June’20 to November’20 are mentioned in Annexure 15.</td></tr>
</table>

Sr. No.	EC Conditions							Compliance Status
	6.	Date-expired and off specification pesticides	I	29.3	120	From Process	Sent to CHWIF for Incineration	
	7.	Spent Catalysts	I	29.5	72		Sent to incineration or sell it to authorized re-refiners/ recycler.	
	8.	Empty barrels/ containers/liners contaminated with hazardous chemicals/wastes	I	33.1	1079.08	From Process & maintenance	Disposal through authorized decontamination facility/recycler or reuse or send back to supplier or send it to Common TSDF	
	9.	Oil and Grease skimming	I	35.4	48	From ETP	Disposal to common TSDF site	
	10.	Spent Carbon or filter medium	I	36.2	72	From Tertiary treatment in ETP	Sent to CHWIF for incineration OR Selling to M/s. Ultra tech Cement Ltd. and M/s. Ambuja Cement Ltd. for Co-processing	
	11.	Used or Spent Oil	I	5.1	36	From Machinery	Reuse in plant &machinery as lubricant or sell it to authorized re-refiners/ recycler or Sent to CHWIF for incineration	
	12.	Wastes or residues containing oil	I	5.2	12	From Machinery	Reuse in plant &machinery as lubricant or sell it to authorized re-refiners/ recycler	

Sr. No.	EC Conditions							Compliance Status
							or Sent to CHWIF for incineration	
	13.	Ammonia	II	A10	756	By-product from scrubber	Aqueous ammonia solution (15 %) - Disposal by sell out to authorized users who are having authorization with valid CTO and rule 9 permission to receive this waste.	
	14.	Halogen-Containing compounds which produce acidic vapours on contact with humid air or water e.g. slicon tetrachloride, aluminium chloride, titanium tetrachloride	II	B10	3300	By-product from process	KCl Powder-Disposal by sell out to authorized users who are having authorization with valid CTO and rule-9 permission to receive this waste.	
	15.	Halogen-Containing compounds which produce acidic vapours on contact with humid air or water e.g. slicon tetrachloride, aluminium chloride,	II	B10	61224	By-product from process	Potassium chloride solution & Aluminum chloride solution - Disposal by sell out to authorized users who are having authorization with valid CTO and rule-9 permission	

Sr. No.	EC Conditions							Compliance Status
		titanium tetrachloride					to receive this waste.	
	16.	Inorganic acids	II	B15	31860	By-product from process	Spent Sulphuric acid - Disposal by sell out to authorized users who are having authorization with valid CCA and rule-9 permission to receive this waste.	
	17.	Calcium Chloride (35%)	II	B10	6393	By-product from process	Calcium chloride (35%) - Disposal by sell out to authorized users who are having authorization with valid CTO and rule-9 permission to receive this waste.	
	18.	Sodium bisulfite (20-25%)	II	B23	15590	By-product from scrubber	Sodium bisulfite (20-25%) - Disposal by sell out to authorized users who are having authorization with valid CTO and rule-9 permission to receive this waste.	
	19.	Calcium Sulfate (92%)	--	--	1992	By-product from scrubber	Calcium Sulfate (92%) - Disposal by sell out to authorized users who are	

Sr. No.	EC Conditions	Compliance Status
	having authorization with valid CTO and rule-9 permission to receive this waste.	
8.	The project/ activities are covered under category A of item 5(b) ' Pesticides industry and pesticide specific intermediates (excluding formulation)' and category B of item 5(f) 'Synthetic Organic Chemicals' 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
9.	The terms of reference (ToR) for the project was granted on 10th July, 2017 exempting public hearing as per Para 7(i) III. Stage (3) (i) (b) of the EIA Notification, 2006.	Noted
10.	The proposal for environmental clearance (EC) was placed before the EAC (Industry-2) in its meetings held on 26-28 February, 2018 and 24-26 April, 2018 in the Ministry. The project proponent and their consultant M/s Siddhi Green Excellence Pvt Ltd presented the EIA/EMP report as per the ToR. The committee found the EIA/EMP report satisfactory and in consonance with the ToR, and recommend the proposal for environmental clearance with certain conditions.	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 Agrochemicals, Intermediates and Polymers manufacturing unit from the present capacity of 4180TPA to 21650TPA (Agrochemicals from 3830 TPA to 20600 TPA and Organic Chemicals/ polymers from 350 TPA to 1050 TPA)** by M/s Gujarat Insecticides Limited at Plot No. 805/806, GIDC Estate, 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 per **Annexure.**	Noted

Sr. No.	EC Conditions	Compliance Status
12.	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted
TERMS AND CONDITIONS		
(i)	Total production of pesticides shall include manufacturing at least 25% of bio-pesticides.	• Unit's total production after expansion shall be 21650 TPA. • As per the given condition, unit shall manufacture 25% of bio-pesticides depending on market demand in addition of proposed total production quantity.
(ii)	Consent to Establish/ Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	• Consent to Establish for the project is obtained from the State Pollution Control Board on date 26th August 2019 as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974. CTO amendment no. AWH:108370 for Change in Product mix is valid upto 13.03.2022. **Copy of CTO is attached as Annexure-17.**
(iii)	As proposed by the project proponent. Zero Liquid Discharge shall be ensured for the entire unit and no waste/ treated water shall be discharged outside the premises. However, till commissioning of the proposed expansion, effluent of 750 cum/day shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, to take it to the final ETP followed by discharge into NCT pipeline conveying treated effluent into deep sea.	• Unit kept existing discharge same (i.e. 750 KLD to FETP, M/s. Narmada Clean Tech for final disposal in deep sea.) and for the additional effluent from generating from the proposed expansion, ZLD scheme has been followed. • Unit shall be a ZLD unit for proposed additional expansion for which SPCB has granted latest Consent to Establish (CTE) – Amendment having CTE no.: 90532 dated 08/06/2018. As per latest CTE issued by SPCB dual discharge policy is only applicable for proposed effluent generation and existing discharge will remain the same. Copy of CTE amendment is attached as **Annexure-3.**
(iv)	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.	Arrangements for storage, handling and disposal of hazardous wastes have been made in compliance to the conditions of Hazardous Waste Authorization as granted by GPCB. The company has taken membership of the common landfill disposal site of M/s. Bharuch Enviro Infrastructure Ltd. and regularly sending the hazardous waste for disposal. Copy of membership to be attached as **Annexure-20**.

<table>
<tr><th>Sr. No.</th><th>EC Conditions</th><th>Compliance Status</th></tr>
<tr><td>(v)</td><td>National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.</td><td>Complied.</td></tr>
<tr><td>(vi)</td><td>To control sources and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.</td><td>We have provided online monitoring system to control the fugitive emissions like Cl2, Br2 and Hydrocarbons.
Unit has stacks of adequate height for the gaseous emissions as per CPCB/SPCB guidelines.
<table>
<tr><th>Stack attached</th><th>Stack Height(meters)</th><th>Name of fuel</th><th>Control Measure provided</th></tr>
<tr><td>36250 – Boiler (10 TPH)</td><td>30</td><td>Coal</td><td>ESP + Water scrubber</td></tr>
<tr><td>60825 - Fuel Heater (Thermic)</td><td>15</td><td>HSD</td><td>Stack is provided</td></tr>
<tr><td>60826 - Fuel Heater (Thermic)</td><td>15</td><td>Natural Gas</td><td>Stack is provided</td></tr>
<tr><td>9153 - Fuel Heater (Thermic)</td><td>30</td><td>Natural Gas</td><td>Stack is provided</td></tr>
<tr><td>9155-Process Emission Vessel</td><td>20</td><td>--</td><td>Alkali Scrubber</td></tr>
<tr><td>36251-Gas Exits (Bromine Recovery)</td><td>20</td><td>--</td><td>Alkali Scrubber</td></tr>
<tr><td>Fuel Heater (Thermic)</td><td>30</td><td>Natural Gas, HSD</td><td>Stack is provided</td></tr>
<tr><td>DG Set</td><td>33</td><td>HSD</td><td>Stack is provided</td></tr>
<tr><td>Process Emission Vessels</td><td>20</td><td>--</td><td>Water+ Alkali Scrubber</td></tr>
<tr><td>Process Emission Vessels</td><td>20</td><td>--</td><td>Water+ Alkali Scrubber</td></tr>
</table>
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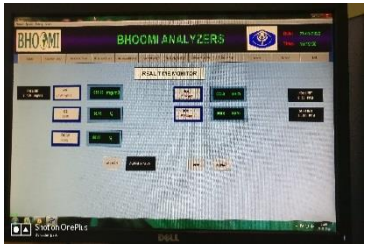
<table>
<tr><th>Sr. No.</th><th>EC Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>Process Emission Vessels</td><td>20</td><td>--</td><td>Water+ Alkali Scrubber</td></tr>
<tr><td>Process Emission Vessels</td><td>30</td><td>--</td><td>Water+ Alkali Scrubber</td></tr>
</table>
</td></tr>
<tr><td>(vii)</td><td>Solvent management shall be carried out as follows:
(a) Reactor shall be connected to chilled brine condenser system.
(b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
(c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.
(d) Solvents shall be stored in a separate space specified with all safety measures.
(e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
(f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
(g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.</td><td>Solvent management carried out as follow:
a) Reactor is connected with chilled brine condenser system for the efficient solvent recovery.
b) Mechanical seal is provided to prevent leakage for all solvent handling pumps and reactors
 
.
c) Solvents have more than 95% recovery. Please refer Annexure No – 10
d) Separate Solvent Storage Tank Farm is provided & its approval by PESO. License No. P/HQ/GJ/15/358 (P9961). As per Photograph – 1 & Annexure – 11
e) Double earthing (at 180 degree) is provided for all electrical equipment wherever solvent handling is done photograph attached as per Photograph – 2.
f) Entire plant is flame proof. The solvents storage tanks are provided with breather valve to prevent solvent losses. As per Photograph – 3</td></tr>
</table>

<table>
<tr><th>Sr. No.</th><th>EC Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>g) Solvents at our site are having boiling points in the range of 65 to 85 deg. C. Hence vent condenser is not required. However, we have provided the vents with flame arrestor and water seal.</td></tr>
<tr><td>(viii)</td><td>Total fresh water requirement shall not exceed 2152 cum/day to be met from GIDC water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.</td><td>Total fresh water requirement shall not exceed 2152 cum/day.
<table><tr><th>Month</th><th>Water Consumption (KL/M)</th><th>Water Consumption (KLD)</th></tr><tr><td>Dec-20</td><td>27479</td><td>886.42</td></tr><tr><td>Jan-21</td><td>31848</td><td>1027.35</td></tr><tr><td>Feb-21</td><td>23064</td><td>823.71</td></tr><tr><td>Mar-21</td><td>32322</td><td>1042.65</td></tr><tr><td>Apr-21</td><td>25600</td><td>853.33</td></tr><tr><td>May-21</td><td>30521</td><td>984.55</td></tr></table>
Complied</td></tr>
<tr><td>(ix)</td><td>Industrial/ trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and AFTD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP/RO to meet the prescribed standards.</td><td>Stream wise segregation for high COD/TDS and low COD/TDS is provided as per the CREP guidelines. And treatment for the same is carried out.
For treatment of high COD/TDS effluent streams, MEE and RO is provided.</td></tr>
<tr><td>(x)</td><td>Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.</td><td>To avoid the contamination of storm water with process effluent, separate storm water drain is provided.
Complied</td></tr>
</table>

Sr. No.	EC Conditions	Compliance Status
(xi)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. flame arresters shall be provided on tank farm and solvent transfer through pumps.	Flame arrester is provided.  **Complied**
(xii)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Process organic residue and spent carbon sent to cement companies (J K Lakshmi Cement & Ultratech Cement Ltd) for co-processing. Agreement for the same has been done. ETP sludge has been sent to TSDF site for which we have valid membership. Disposal details are attached as per **Annexure 15.** **Complied**
(xiii)	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules. 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	MSIHC Rule & Motor vehicle act followed strictly. **Complied**
(xiv)	Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by following along with the storm water. Direct exposure of workers to fly ash & dust should be avoided.	Fly ash has been stored separately as per CPCB guidelines. And sent to GPCB approved brick manufacturer. Agreement has been done for the same. Copy of agreement is attached as **Annexure 19**. **Complied**
(xv)	The company shall undertake waste minimization measures as below:- (a) Metering and control of quantities of active ingredients to minimize waste. (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system.	a) All the active ingredients are charged by measuring weight or volume to minimize waste. b) Reuse of by-products from the process is implemented. For example – Bromine recovered from the Potassium bromide is recycled as raw material. Other By-products like aluminum chloride solution, potassium chloride are sold to GPCB approved end users. c) Provided

Sr. No.	EC Conditions	Compliance Status
	(f) Use of high pressure hoses for requirement clearing to reduce wastewater generation.	d) Provided e) Provided. f) Closed transferring system provided for hazardous chemical and solvents.
(xvi)	The green belt of at least 5-10 m width shall be developed in nearly 33% 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.	As per the CPCB guidelines in consultation with the State Forest Department, Plantation is carried out at periphery of the project area and along road sides. **Complied**
(xvii)	At least 0.75% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with the time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	CER activity is carried out. **Annexure -4**
(viii)	For the DG sets, emissions 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.	For the DG set, stack height is provided according to the CPCB guidelines. Acoustic enclosure has been provided for the new DG set to control the noise pollution. **Complied**
(xix)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	Company has installed Fire Hydrant system and network for the protection of possible hazards during the manufacturing process and material handling.  **COMPLIED**

<table>
<tr><th>Sr. No.</th><th>EC Conditions</th><th>Compliance Status</th></tr>
<tr><td>(xx)</td><td>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as pert the Factories Act.</td><td>The Occupational Health Surveillance of the workers is carried out every six months by a registered medical practitioner and the records are maintained in prescribed form as per the Factories Act. Sample records areas per Annexure –5.</td></tr>
<tr><td>(xxi)</td><td>Continuous online (24x7) monitoring system for stack emissions and the effluent shall be installed for measurement of flow/discharge and the pollutants concentration, and the emission and effluent monitoring data to be transmitted to the CPCB and SPCB server as per the directions of CPCB in this regard.</td><td>Details of various online meters are given as below;
<table>
<tr><th>Sr. No.</th><th>Parameters</th><th>No. of Sensor/meter</th><th>Generated at</th><th>Remarks</th></tr>
<tr><td>1</td><td>HCl+Cl2</td><td>01</td><td>MPB process</td><td rowspan="2">Two stage scrubber is provided</td></tr>
<tr><td>2</td><td>HBr</td><td>01</td><td>MPB process</td></tr>
<tr><td>3.</td><td>TOC, TSS, COD, BOD, Temperature, Flow, pH</td><td>1</td><td>ETP plant</td><td>Transmitted to the CPCB servers</td></tr>
<tr><td>4.</td><td>SO2,PM, NOx</td><td>1</td><td>Boiler</td><td>ESP</td></tr>
</table>
Photograph of Detectors are given as below;


Boiler Sox & NOx reading


Detector Reading for Cl_2 and HCl</td></tr>
</table>

Sr. No.	EC Conditions	Compliance Status
		 TOC meter  Detector Reading for HBr
GENERAL CONDITIONS		
(i)	The project authorities shall adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority.	The Management of M/s. GUJARAT INSECTICIDES LTD. is totally committed to fulfilling its environmental responsibilities including compliance to the stipulations and conditions of GPCB and other government authorities. **COMPLIED**
(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 of clearance, a fresh reference shall be made to the Ministry to assess the adequacy of condition imposed and to add additional environmental protection measures required, if any.	The unit is committed and agree to this condition.
(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.	GIL has given work-order to M/s Kadam Environmental Consultants to carry out Ambient air monitoring at 3 Locations on Dated: 26.03.2021 (MoEF & CC approved Laboratory) 1) Near Boiler 2) Near Admin Block 3) At Canteen Terrace

<table>
<tr><th>Sr. No.</th><th>EC Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><th rowspan="2">Parameters</th><th rowspan="2">Specification/ SPCB Norms/BIS Standards</th><th colspan="3">AAQM Locations</th></tr>
<tr><th>Near Boiler</th><th>Near Admin Block</th><th>At Canteen</th></tr>
<tr><td>PM_{10}</td><td>100</td><td>83</td><td>89</td><td>73</td></tr>
<tr><td>$PM_{2.5}$</td><td>60</td><td>15</td><td>29</td><td>26</td></tr>
<tr><td>Sox</td><td>80</td><td>6.58</td><td>8.77</td><td>4.38</td></tr>
<tr><td>NOx</td><td>80</td><td>10.44</td><td>16.71</td><td>19.49</td></tr>
</table>
Analysis report of AAQM is attached as Annexure-6.
COMPLIED
</td></tr>
<tr><td>(iv)</td><td>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.</td><td>COMPLIED
Analysis report of AAQM is attached as Annexure-6.</td></tr>
<tr><td>(v)</td><td>The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustics 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).</td><td>GIL has given work-order to Kadam Environmental Consultants to carry out Noise Level monitoring at 11 Locations dated: 26.03.2021 (MoEF & CC approved laboratory). The reading of same is mentioned below. All the readings are within norms.
<table>
<tr><th rowspan="2">Locations</th><th colspan="4">Results in dB(A)</th></tr>
<tr><th colspan="2">Day (06:00 AM to 10:00 PM)</th><th colspan="2">Night (10:00 PM to 06:00 AM)</th></tr>
<tr><th></th><th>Result</th><th>Limit</th><th>Result</th><th>Limit</th></tr>
<tr><td>Plant A (GF)</td><td>59.3</td><td>75</td><td>51.3</td><td>70</td></tr>
<tr><td>Plant A (FF)</td><td>63.7</td><td>75</td><td>56.1</td><td>70</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>Sr. No.</th><th>EC Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>Plant B (GF)</td><td>58.3</td><td>75</td><td>50.2</td><td>70</td></tr>
<tr><td>Plant B (FF)</td><td>67.3</td><td>75</td><td>58.1</td><td>70</td></tr>
<tr><td>Plant C (GF)</td><td>50.4</td><td>75</td><td>49.3</td><td>70</td></tr>
<tr><td>Plant C (FF)</td><td>60.3</td><td>75</td><td>56.1</td><td>70</td></tr>
<tr><td>Plant H</td><td>58.5</td><td>75</td><td>55.1</td><td>70</td></tr>
<tr><td>Gate-1</td><td>48.3</td><td>75</td><td>44.1</td><td>70</td></tr>
<tr><td>Gate-2</td><td>51.8</td><td>75</td><td>45.1</td><td>70</td></tr>
<tr><td>Near ETP</td><td>53.4</td><td>75</td><td>44.1</td><td>70</td></tr>
<tr><td>Near Boiler</td><td>65.3</td><td>75</td><td>60.3</td><td>70</td></tr>
</table>
As per the noise results shown above, at all locations noise level conform to the standards prescribed under EPA Rules, 1989 viz.75 dB(A) (daytime) and 70 dB(A)(nighttime)

Analysis Report of Noise Level Monitoring is attached as Annexure-7
COMPLIED</td></tr>
<tr><td>(vi)</td><td>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.</td><td>Rain water harvesting implemented in company’s residential colony. Photograph of the rainwater harvesting system is attached as Photograph 7. A scheme for roof top rain water harvesting in the company premises has been prepared. It will be implemented subject to permission from GPCB.</td></tr>
<tr><td>(vii)</td><td>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.</td><td>Training is imparted to all employees on safety and health aspects of chemicals handling its standard SOP is attached which is followed and training will be imparted by competent person of safety dept. As per Annexure – 8
We have Integrated Management System (ISO:9001, ISO: 14001 & OHSAS: 18001)</td></tr>
</table>

Sr. No.	EC Conditions	Compliance Status
		  **COMPLIED**
(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.	We are in the process of installing RO & MEE for advanced treatment. **COMPLIED**
(ix)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding areas. CER activities shall be undertaken by involving local villages and administration.	CER/CSR activity report is attached in **Annexure-4**
(x)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	CER/CSR activity report is attached in **Annexure-4.**
(xi)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Environment Management Cell has been set up in compliance with the requirement of Charter. We have fully fledged laboratory for monitoring environment functions. **Objective of cell as:** • Review of ETP performance • Status and implementation of action plan • Abnormal operations and corrective action • Discussion on various ideas to achieve cleaner production techniques for up-gradation of environment

<table>
<tr><th>Sr. No.</th><th>EC Conditions</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>
• Review of structured training program.
Note: The cell meets periodically to review the performance of environment up gradation issues and implementation plans.
As per Annexure – 9
<table>
<tr><th>Sr. No.</th><th>Name of Employee</th><th>Designation</th></tr>
<tr><td>1</td><td>Mr. N R Shah</td><td>Site Head</td></tr>
<tr><td>2</td><td>Mr. R N Chhawsaria</td><td>Factory Manager</td></tr>
<tr><td>3</td><td>Mr. A K Kekunnaya</td><td>Sr. Manager</td></tr>
<tr><td>4</td><td>Ms. M L Jalu</td><td>Sr. Executive Env.</td></tr>
<tr><td>5</td><td>Ms. A M Patel</td><td>Sr. Executive Env.</td></tr>
<tr><td>6</td><td>Mr. D D Gadhesariya</td><td>Sr. Executive Env.</td></tr>
<tr><td>7</td><td>Mr. A D Joshi</td><td>Manager QA</td></tr>
<tr><td>8</td><td>Mr. K R Joshi</td><td>Manager QA</td></tr>
</table>
➢ We have five officers having qualification M. Sc. (Chemistry) and experience, in our QA team for effluent and air analysis.
COMPLIED
</td></tr>
<tr><td>(xii)</td><td>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.</td><td>Noted</td></tr>
<tr><td>(xiii)</td><td>A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZillaParishad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.</td><td>Company is located in notified area. Hence this condition is not applicable.</td></tr>
<tr><td>(xiv)</td><td>The project proposal 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</td><td>We are submitting six monthly EC report regularly.</td></tr>
</table>

Sr. No.	EC Conditions	Compliance Status
	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.	Our six monthly report for EC order no. IA-J-11011/3/2017-IA-II(I), Date:29thAugust 2018 is submitted on 14.12.2020 through Speed post. Copy of the speed post tracker is attached as **Annexure 18.** Soft copy of the same has been uploaded on Parivesh Portal. The same will be uploaded on Company website. **Complied.**
(xv)	The environmental statement for each financial year ending 31stMarch 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.	The Environmental Statement for each financial year ending on 31st March in Form-V has been submitted to the concerned SPCB as per prescribed under the Environment (Protection) Rules-1986. Copy is attached as per **Annexure -2** **Complied**
(xvi)	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.	Grant of Environment Clearance vide letter no. IA-J-11011/3/2017-IA-II(I)] dated 29-08-2018 was advertised in local newspapers- [1] The Gujarat Samachar in Guajarati on 19-09-2018. [2] The Times of India in English on 19-09-2018. Scanned copy of paper pages are also made available. **Complied**
(xvii)	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

Annexure – 1
Hazardous waste statement (Form 4)

O/C

GUJARAT INSECTICIDES LIMITED

Regd. Office & Works : P.Box No. 90, 805/806, GIDC Estate, Ankleshwar - 393 002. Gujarat (India)

GPCB xgn ID: 15141

To,
The Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector – 10-A,
Gandhinagar–382 043.

30.06.2020

Subject: Annual return of Hazardous Waste management in Form-4 for the Financial Year 2019-2020.

Dear Sir,

With reference to the above-mentioned subject we are hereby submitting the Annual Returns of Hazardous Waste management in Form-4 of for the Financial Year 2019-20.

Hope this is inline with your requirement. This is for your information & records.

Thanking You,

Yours faithfully,

FOR GUJARAT INSECTICIDES LIMITED, ANKLESHWAR

GUJARAT INSECTICIDES LTD. Ankleshwar

AUTHORISED SIGNATORY

Gujarat Pollution Control Board
Sector No. 10 A,
Gandhinagar - 382 010

CC: **Regional Officer,**
Gujarat Pollution Control Board,
Ankleshwar

Phone :+91 2646 220032, 222271, 223914, 250305, 251472
E-mail : info@gilgharda.com • WEB : www.gilgharda.com • CIN : U24299GJ1980PLC003929

Annexure – 2
Environment statement (Form-V)

GUJARAT INSECTICIDES LIMITED

Regd. Office & Works : P.Box No. 90, 805/806, GIDC Estate, Ankleshwar - 393 002. Gujarat (India)

GPCB XGN ID: 15141

Ref. No.: GIL/Form-V/01/2019-20

30.06.2020

To,
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector-10A,
Gandhinagar-382010

Sub: **Environment statement (Form-V) for the year 2019-20.**

This has reference to captioned subject; enclosed please find herewith Environment Statement (Form-V) for the year 2019-2020 in triplicate for our unit. Please acknowledge.

Thanking You,

FOR GUJARAT INSECTICIDES LIMITED,

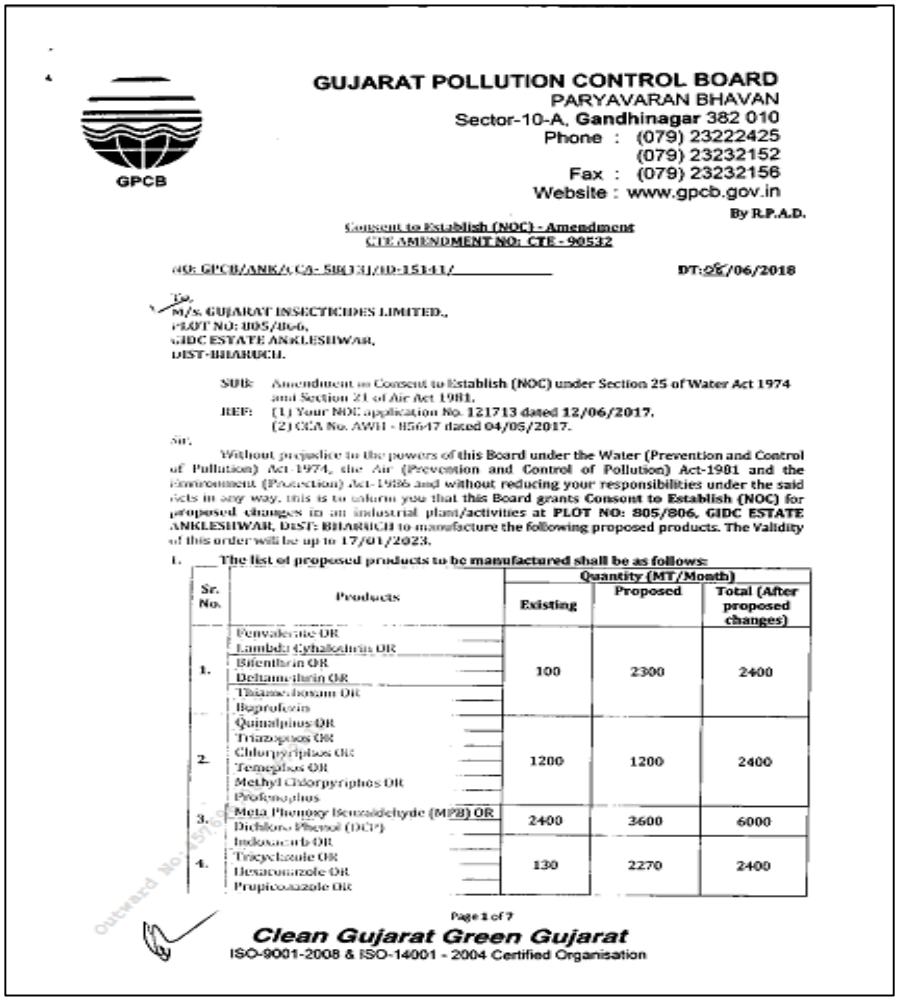
Authorized signatory

Gujarat Pollution Control Board
Sector No. 10 A,
Gandhinagar - 382 010

Encl.: As above

Phone :+91 2646 220032, 222271, 223914, 250305, 251472
E-mail : info@gilgharda.com • WEB : www.gilgharda.com • CIN : U24299GJ1980PLC003929

Annexure-3
Copy of CTE amendment



GPCB

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

By R.P.A.D.

Consent to Establish (NOC) - Amendment
CTE AMENDMENT NO: CTE - 90532

40: GPCB/ANK/A CA- 5803 1/ID-15141/ DT:06/06/2018

To,
M/s. GUJARAT INSECTICIDES LIMITED.,
PLOT NO: 805/806,
GIDC ESTATE ANKLESHWAR,
DIST-BHARUCH.

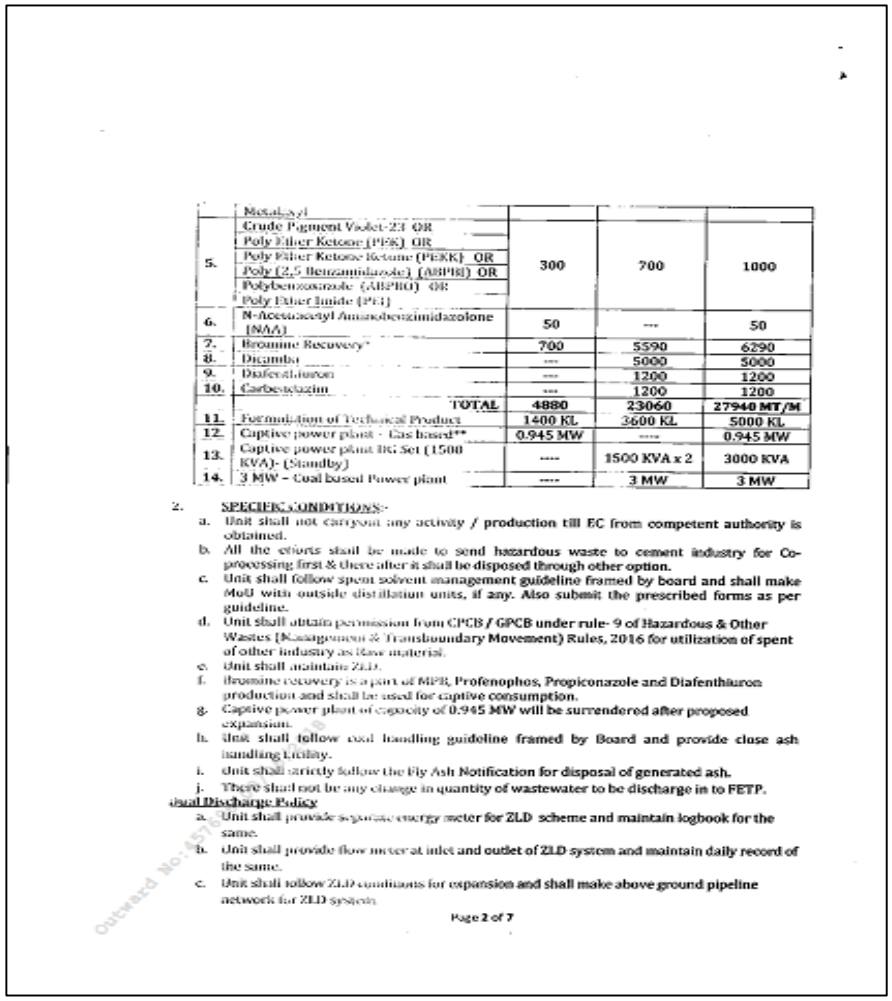
SUB: Amendment in Consent to Establish (NOC) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981.
REF: (1) Your NOC application No. 121713 dated 12/06/2017.
(2) CCA No. AWH - 85647 dated 04/05/2017.

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 proposed changes in an industrial plant/activities at **PLOT NO: 805/806, GIDC ESTATE ANKLESHWAR, DIST: BHARUCH** to manufacture the following proposed products. The Validity of this order will be up to **17/01/2023.**

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

Sr. No.	Products	Quantity (MT/Month)		
		Existing	Proposed	Total (After proposed changes)
1.	Fenvalerate OR Lambda Cyhalothrin OR Bifenthrin OR Deltamethrin OR Thiamethoxam OR Buprofezin	100	2300	2400
2.	Quinalphos OR Triazophos OR Chlorpyriphos OR Temephos OR Methyl Chlorpyriphos OR Profenophus	1200	1200	2400
3.	Meta Phenoxy Benzaldehyde (MPB) OR Dichloro Phenol (DCP)	2400	3600	6000
4.	Indoxacarb OR Tricyclazole OR Hexaconazole OR Propiconazole OR	130	2270	2400



5.	Metal Acyl Crude Pigment Violet-23 OR Poly Ether Ketone (PEK) OR Poly Ether Ketone Ketone (PEKK) OR Poly (2,5 Benzamidazole) (ABPBI) OR Polybenzoazole (ABPBO) OR Poly Ether Imide (PEI)	300	700	1000
6.	N-Acetoacetyl Aminobenzimidazolone (NAA)	50	---	50
7.	Bromine Recovery*	700	5590	6290
8.	Diamba	---	5000	5000
9.	Diafenthiuron	---	1200	1200
10.	Carbendazim	---	1200	1200
	TOTAL	4880	23060	27940 MT/M
11.	Formulation of Technical Product	1400 KL	3600 KL	5000 KL
12.	Captive power plant - Gas based**	0.945 MW	----	0.945 MW
13.	Captive power plant DG Set (1500 KVA)- (Standby)	----	1500 KVA x 2	3000 KVA
14.	3 MW - Coal based Power plant	----	3 MW	3 MW

2. **SPECIFIC CONDITIONS:-**
   a. Unit shall not carryout any activity / production till EC from competent authority is obtained.
   b. 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.
   c. 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.
   d. Unit shall obtain permission from CPCB / GPCB under rule- 9 of Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 for utilization of spent of other industry as fuel material.
   e. Unit shall maintain ZLD.
   f. Bromine recovery is a part of MPB, Profenophos, Propiconazole and Diafenthiuron production and shall be used for captive consumption.
   g. Captive power plant of capacity of 0.945 MW will be surrendered after proposed expansion.
   h. Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.
   i. Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.
   j. There shall not be any change in quantity of wastewater to be discharge in to FETP.

Zero Liquid Discharge Policy
   a. Unit shall provide separate energy meter for ZLD scheme and maintain logbook for the same.
   b. Unit shall provide flow meter at inlet and outlet of ZLD system and maintain daily record of the same.
   c. Unit shall follow ZLD conditions for expansion and shall make above ground pipeline network for ZLD system.

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

d. Unit shall convey effluent by GPS mounted vehicle to outside CMEE facility to maintain ZLD.
e. Fixed pipeline network shall be provided to comes treated/untreated waste water.
f. Unit shall maintain record of reuse / recovery of Industrial waste water.
g. Unit shall maintain record about stream wise industrial wastewater generation – treatment and disposal.
h. This CTE granted under policy for dual discharge will be reviewed after 6 month.

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

3.1 The condition No. 3.1 for Water Consumption under Water Act of the CCA order No: AWH-85647 issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431 dated 04/05/2017 is amended and shall now be read as under.
a) Domestic: 140 KL/Day (Existing 80 KLD + Proposed 30 KLD)
b) Industrial: 2834 KL/Day (Existing 891 KLD + Proposed 1943 KLD)
c) Gardening: 50 KL/Day (Existing 40 KLD + Proposed 10 KLD)
Total: 2994 KL/Day (Existing 1011 KLD + Proposed 1983 KLD)

3.2 The condition No. 3.1 & 3.2 for Wastewater Generation under Water Act of the CCA order No: AWH-85647 issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431 dated 04/05/2017 is amended and shall now be read as under.
a) Domestic: 95 KL/Day (Existing 70 KLD + Proposed 25 KLD)
b) Industrial: 1777 KL/Day (Existing 750 KLD + Proposed 1027 KLD)
Total: 1872 KL/Day (Existing 820 KLD + Proposed 1052 KLD)

3.3 Existing ETP capacity shall be upgraded and appended to 2000 KL/Day to accommodate total effluent after proposed expansion.

3.4 Existing treated effluent 820 KL/Day is presently disposed to M/s. Narmada Clean Tech (NCT), Ankleshwar and continue after expansion.

3.5 Proposed treated effluent will be reuse / recycle by using RO / MEE.

3.6 Domestic effluent shall be treated in proposed STP of capacity 150 KL/Day and treated waste water shall be used for green belt maintenance.

3.7 **1052 KL/Day** effluent from plant shall be treated in own ETP treated water from ETP shall be fed to RO plant for further treatment. 842 KL/Day of permeate from RO plant shall be reused in processing.

3.8 **210 KL/Day** of reject from RO plant shall be fed to MEE plant having capacity of 300 KL/Day. Distillate from MEE plant shall be sent to ETP for further treatment and solid mass shall be sent to TSDF.

3.9 **842 KL/Day** permeate will be recycle / reused in process. So actual requirement water will be 1114 KL/Day and total fresh water consumption will be 2152 KL/Day STP of 150 KL/Day capacity shall be established.

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

4.1 The condition No. 4.1 for Fuel Consumption under Air Act of the CCA order No: AWH-85647 issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431 dated 04/05/2017 is amended and shall now be read as under.

Sr. No.	Name of fuel	Quantity		
		Existing	Proposed	Total
1.	Natural Gas	650 NM³/Day	175 NM³/Day	825 NM³/Day
2.	HSD	45 Lit/Hr	865 Lit/Hr	910 Lit/Hr
3.	Coal	---	5000 kg/h	5000 kg/h

4.2 The condition No. 4.2 for Flue gas stacks under Air Act of the CCA order No: AWH-85647 issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431 dated 04/05/2017 is amended and shall now be read as under.

Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
EXISTING					
1.	Boiler (5 TPH)	30	---	PM SO_2 NO_x	150 mg/NM³ 100 PPM 50 PPM
2.	Boiler (5 TPH)	15	---		
3.	Thermo pack TP - 01 (Cap. 2 Lakh Kcal/hr)	15	---		
4.	Thermo pack TP - 02 (Cap. 2 Lakh Kcal/hr)	15	---		
5.	Heiza Hot Oil Unit (Cap. 2 Lakh Kcal/hr)	30	---		
PROPOSED					
6.	Hot Oil Unit (Cap. 2 Lakh Kcal/hr)	30	---	PM SO_2 NO_x	150 mg/NM³ 100 PPM 50 PPM
7.	Hot Oil Unit (Cap. 2 Lakh Kcal/hr)	30			
8.	Hot Oil Unit (Cap. 2 Lakh Kcal/hr)	30			
9.	Hot Oil Unit (Cap. 4 Lakh Kcal/hr)	30	---	PM SO_2 NO_x	150 mg/NM³ 100 PPM 50 PPM
10.	Hot Oil Unit (Cap. 4 Lakh Kcal/hr)	30			
11.	Coal Fired Boiler (25 TPH) (for 3 MW Power Plant)	33	Electrostatic Precipitation (ESP) + Water Scrubber	PM SO_2 NO_x	100 mg/NM³ 100 PPM 50 PPM
12.	Captive Power Plant D.G. Set (1500 KVA)- Stand By	33	---	PM SO_2 NO_x	150 mg/NM³ 100 PPM 50 PPM
13.	Captive Power Plant D.G. Set (1500 KVA)- Stand By	33	---	PM SO_2 NO_x	150 mg/NM³ 100 PPM 50 PPM

- Existing 5 TPH boilers (2 Nos.) shall be replaced by 10 TPH solid fuel based boiler for which CTE is granted. (CTE NO. 72169).
- Steam from proposed 25 TPH boilers shall be utilized for 3 MW Captive Power plant as well as for process.

4.3 The condition No. 4.3 for Process gas stacks under Air Act of the CCA order No: AWH-85647 issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431 dated 04/05/2017 is amended and shall now be read as under.

GPCB

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

Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
1.	Fenvalerate Plant (PCT Chloramine & Acid Chloride Preparation Vessel)	18	Caustic Scrubber + Ventury Scrubber	HCl Cl_2 SO_2	20 mg/NM³ 9 mg/NM³ 40 mg/NM³
2.	Quinalphos Plant	18	Caustic Scrubber	HCl Cl_2 SO_2	20 mg/NM³ 9 mg/NM³ 40 mg/NM³
3.	Meta Phenoxy Benzaldehyde Plant (MPB Plant)	20	Caustic Scrubber	Bromine HCl Cl_2 SO_2	2 mg/NM³ 20 mg/NM³ 9 mg/NM³ 40 mg/NM³
4.	Bromine Recovery	20	Caustic Scrubber	HBr Bromine	30 mg/NM³ 2 mg/NM³
5.	Meta Phenoxy Benzaldehyde Plant (MPB Plant)	20	Water + Caustic Scrubber	Bromine HCl Cl_2	2 mg/NM³ 20 mg/NM³ 9 mg/NM³
6.	Bromine Recovery	20	Caustic Scrubber	HBr Bromine	30 mg/NM³ 2 mg/NM³
7.	Dicamba Plant	20	Water + Caustic Scrubber	HCl	20 mg/NM³
8.	Procamphos	20	Water + Caustic Scrubber	HBr Bromine	30 mg/NM³ 2 mg/NM³
9.	Lambda Cyhalothrin	20	Water + Caustic Scrubber	SO_2 HCl	40 mg/NM³ 20 mg/NM³
10.	Hexaconazole	20	Water + Caustic Scrubber	SO_2 HCl	40 mg/NM³ 20 mg/NM³
11.	Mesalazyl	20	Water + Caustic Scrubber	SO_2 HCl	40 mg/NM³ 20 mg/NM³
12.	Diafenthiuron	20	Water + Caustic Scrubber	HBr NH_3	30 mg/NM³ 30 mg/NM³
13.	Carbendazim	20	Water + Caustic Scrubber	NH_3	30 mg/NM³
14.	Propiconazole	20	Water + Caustic Scrubber	HBr HCl	30 mg/NM³ 20 mg/NM³

15.	Poly Ether Ketone (PEK)	20	Water + Caustic Scrubber	SO_2 HCl	40 mg/NM³ 20 mg/NM³
16.	Poly Ether Ketone Ketone (PEKK)	20	Water + Caustic Scrubber	SO_2 HCl	40 mg/NM³ 20 mg/NM³
17.	Poly (2,5 Benzimidazole) ABPBI	20	Water + Caustic Scrubber	SO_2 HCl	40 mg/NM³ 20 mg/NM³
18.	Incinerator	30		Parameters as Mentioned below	

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

PARAMETER	EMISSION STANDARD	SAMPLING DURATION
Particulates	50 mg/Nm3	30 Minutes
HCl	50 mg/Nm3	30 Minutes
SO2	200 mg/Nm3	30 Minutes
CO	100 mg/Nm3	30 Minutes
	50 mg/Nm3	Standard refers to daily average value
Total Organic Carbon	20 mg/Nm3	30 Minutes
HF	4 mg/Nm3	30 Minutes
NOX (NO and NO2 expressed as NO2)	400 mg/Nm3	30 Minutes
Total dioxins and furans	0.1 ng TEQ/Nm3	6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence.
Cd + Tl + their compounds	0.05 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.
Hg and its compounds	0.05 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.
Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds	0.5 mg/Nm3	Sampling time anywhere between 30 minutes and 8 hours.
Note: All values of outlet parameters of Incinerator shall be corrected to 11% oxygen on a dry basis.		

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

GPCB

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

Sr. No.	Parameters	Permissible Limit (microgram /M³)	
		Annual	24 Hours Average
1.	Particulate Matter (PM_{10})	60	100
2.	Particulate Matter ($PM_{2.5}$)	40	60
3.	Oxides of Sulphur (SO_2)	50	80
4.	Oxides of Nitrogen (NO_2)	40	80

- **Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.**
- **24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.**

5.5 All measures (APCM) for the control of environmental pollution shall be provided before commencing production.

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

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

6.2 Unit shall obtain authorization under Hazardous & Other Waste (Management & Transboundary Movement) Rules-2016 for increase in Hazardous & other waste quantity / category.

7 All other Conditions of CCA order No: AWH-85647 issued vide letter no. GPCB/ ANK/ CCA/58(12)/ ID-15341/411431 dated 04/05/2017 shall remain unchanged.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

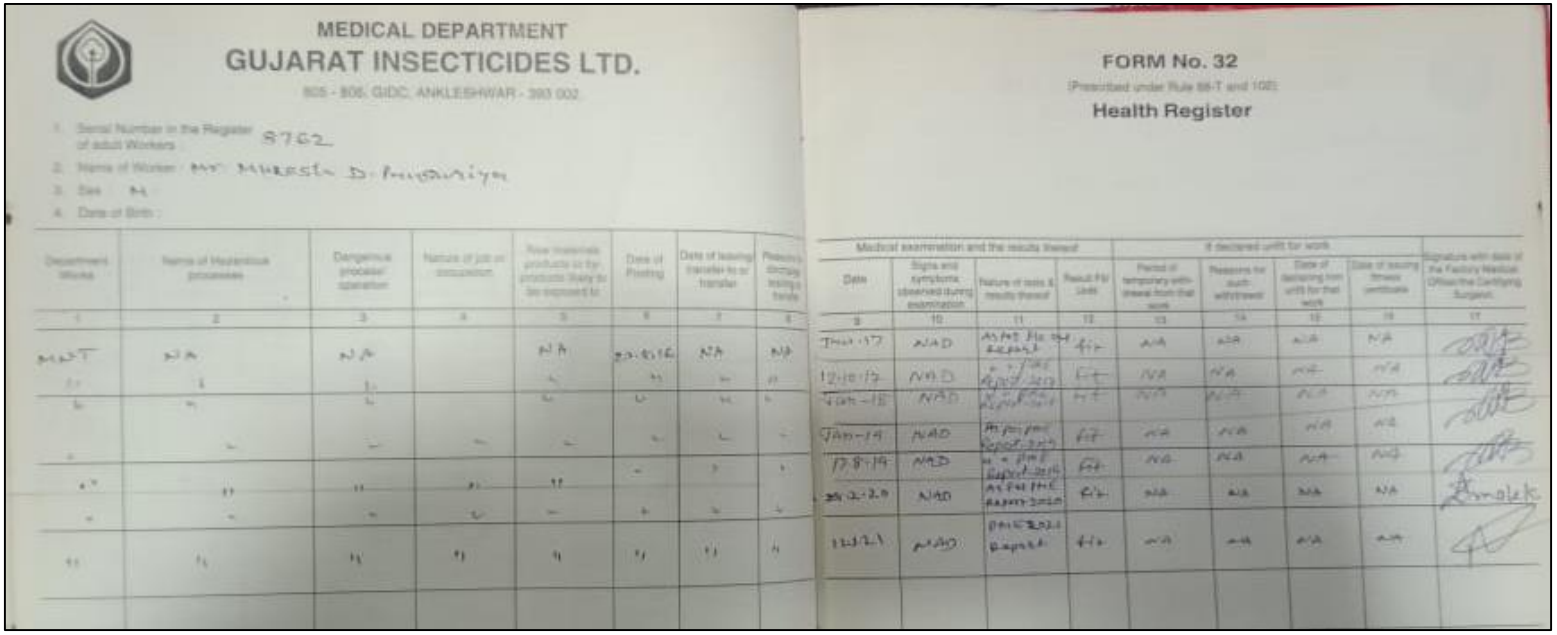
(G.H.TRIVEDI)
SR. ENVIRONMENT ENGINEER

Clean Gujarat Green Gujarat
ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

Annexure – 4
CSR & CER Activity

GUJARAT INSECTICIDES LIMITED CSR/CER EXPENSES FOR (December'20 to May'21)				
Sr. No	**CSR/CER Activities**	**SECTOR IN WHICH THE PROJECTS ARE COVERED**	**AMOUNT SPENT Rs. (in Lacs)**	**AMOUNT SPENT DIRECTLY /AGENCY**
(1)	**Setting up of Chemistry Laboratory at Chanakya Vidyalaya School, Ankleshwar**	Education	15.25	Direct
(2)	**Setting up of Science Laboratory & Library at Sanskar Gurjari Vidya Mandir School, Chaswad**	Education	18.56	Direct
	Total		**33.81 Lacs**	

Annexure – 5
FORM No.32 Health Register & Yearly Health Examination Status of Employee



MEDICAL DEPARTMENT
GUJARAT INSECTICIDES LTD.
805 - 806, GIDC, ANKLESHWAR - 393 002

1. Serial Number in the Register of adult Workers : 8762
2. Name of Worker : Mr. Mukesh D. Parmariya
3. Sex : M
4. Date of Birth :

Department/ Works	Name of Hazardous processes	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of Posting	Date of leaving/ transfer to or transfer	Reasons for/ leaving/ being
1	2	3	4	5	6	7	8
MAT	NA	NA		NA	22.8.16	NA	NA
〃	〃	〃		〃	〃	〃	〃
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FORM No. 32
(Prescribed under Rule 68-T and 108)
Health Register

Medical examination and the results thereof				If declared unfit for work				
Date	Signs and symptoms observed during examination	Nature of tests & results thereof	Result Fit/ Unfit	Period of temporary withdrawal from that work	Reasons for such withdrawal	Date of declaring him unfit for that work	Date of issuing fitness certificate	Signature with date of the Factory Medical Officer/the Certifying Surgeon
9	10	11	12	13	14	15	16	17
Jan-17	NAD	As per file record	fit	NA	NA	NA	NA	
12-10-17	NAD	As per file record	Fit	NA	NA	NA	NA	
Jan-18	NAD	As per file record	Fit	NA	NA	NA	NA	
Jan-19	NAD	As per file record	Fit	NA	NA	NA	NA	
17.8.19	NAD	As per file record	Fit	NA	NA	NA	NA	
25.2.20	NAD	As per file record	Fit	NA	NA	NA	NA	
12.2.21	NAD	As per file record	fit	NA	NA	NA	NA	

Annexure – 6
Analysis Report of Ambient Air Monitoring

KADAM ENVIRONMENTAL CONSULTANTS
An ISO 9001-2015 Certified Company (MoEF Approved)
871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.
Phone : (O) 0265 - 6131000, 6131001

ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – AMBIENT

REPORT NO.: MAR21/157/10 (ULR- TC709921000005432F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.		
2.	Sample ID: 2044828246 – 157MR21AQ01	3.	Client Representative: Mr. A.D. Joshi
4.	Sample Date: 26.03.2021	5.	Sampling Location: Near Boiler
6.	Sampling Time: 12:00 hr	7.	Sampling Duration: 24 Hrs
8.	Analysis commenced on: 30.03.2021	9.	Analysis Completed on: 30.03.2021
10.	Reporting Date: 13.04.2021	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Vimal	13.	Group : Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Ambient Air
16.	Description of Sample: Sampling Bottles: Sealed √ Filter Paper: Packed √ Bladder: Clamped √		
17.	**Environment Condition:** Temp: Normal Humidity: Medium Wind speed: Smooth Cloud cover: Clear sky		
	Rain: No Rain Wind Direction: Cross wind Wind blowing from: - Station category: Industrial		
18.	Sample Received Date: 30.03.2021		

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM_{10}	µg/m³	:	83	100	IS 5182 (Part 23) : 2006
2.	PM $_{2.5}$	µg/m³	:	15	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO_2)	µg/m³	:	6.58	80	IS 5182 (Part 2) :2001
4.	Oxides of Nitrogen (NO_x)	µg/m³	:	10.44	80	IS 5182 (Part 6) :2006

Remark :
Authorized By -
Name : Bhavisha Pandya **Designation : Sr.Chemist**

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

----------**END OF REPORT**----------

TEST REPORT FORMAT - AMBIENT		
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date:. 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

Page 1 of 1

KADAM ENVIRONMENTAL CONSULTANTS
An ISO 9001-2015 Certified Company (MoEF Approved)
871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.
Phone : (O) 0265 - 6131000, 6131001

ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – AMBIENT

REPORT NO.: MAR21/157/11 (ULR- TC709921000005433F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.		
2.	Sample ID: 2044828246 – 157MR21AQ02	3.	Client Representative: Mr. A.D. Joshi
4.	Sample Date: 26.03.2021	5.	Sampling Location: Near Admin
6.	Sampling Time: 12:15 hr	7.	Sampling Duration: 24 Hrs
8.	Analysis commenced on: 30.03.2021	9.	Analysis Completed on: 30.03.2021
10.	Reporting Date: 13.04.2021	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Vimal	13.	Group : Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Ambient Air
16.	Description of Sample: Sampling Bottles: Sealed √ Filter Paper: Packed √ Bladder: Clamped √		
17.	**Environment Condition:** Temp: Normal Humidity: Medium Wind speed: Smooth Cloud cover: Mainly Clear		
	Rain: No Rain Wind Direction: Cross wind Wind blowing from: - Station category: Industrial		
18.	Sample Received Date: 30.03.2021		

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM_{10}	µg/m³	:	89	100	IS 5182 (Part 23) : 2006
2.	PM $_{2.5}$	µg/m³	:	29	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO_2)	µg/m³	:	8.77	80	IS 5182 (Part 2) :2001
4.	Oxides of Nitrogen (NO_x)	µg/m³	:	16.71	80	IS 5182 (Part 6) :2006

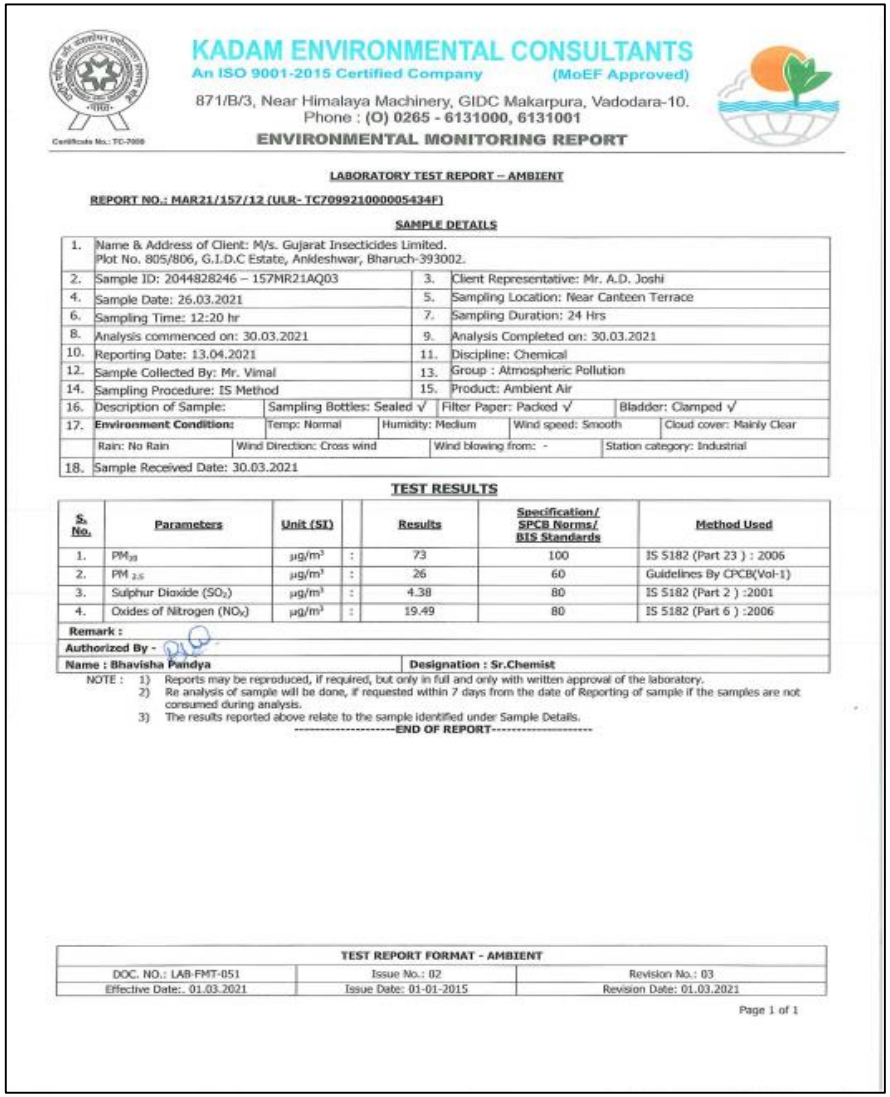
Remark :
Authorized By -
Name : Bhavisha Pandya **Designation : Sr.Chemist**

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

----------**END OF REPORT**----------

TEST REPORT FORMAT - AMBIENT		
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date:. 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

Page 1 of 1



KADAM ENVIRONMENTAL CONSULTANTS
An ISO 9001-2015 Certified Company (MoEF Approved)
871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.
Phone : (O) 0265 - 6131000, 6131001
Certificate No.: TC-7000

ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – AMBIENT

REPORT NO.: MAR21/157/12 (ULR- TC709921000005434F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.		
2.	Sample ID: 2044828246 – 157MR21AQ03	3.	Client Representative: Mr. A.D. Joshi
4.	Sample Date: 26.03.2021	5.	Sampling Location: Near Canteen Terrace
6.	Sampling Time: 12:20 hr	7.	Sampling Duration: 24 Hrs
8.	Analysis commenced on: 30.03.2021	9.	Analysis Completed on: 30.03.2021
10.	Reporting Date: 13.04.2021	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Vimal	13.	Group : Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Ambient Air
16.	Description of Sample: Sampling Bottles: Sealed √	Filter Paper: Packed √	Bladder: Clamped √
17.	**Environment Condition:** Temp: Normal	Humidity: Medium	Wind speed: Smooth / Cloud cover: Mainly Clear
	Rain: No Rain	Wind Direction: Cross wind	Wind blowing from: - / Station category: Industrial
18.	Sample Received Date: 30.03.2021		

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM_{10}	µg/m³	:	73	100	IS 5182 (Part 23) : 2006
2.	$PM_{2.5}$	µg/m³	:	26	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO_2)	µg/m³	:	4.38	80	IS 5182 (Part 2) :2001
4.	Oxides of Nitrogen (NO_x)	µg/m³	:	19.49	80	IS 5182 (Part 6) :2006

Remark :

Authorized By -

Name : Bhavisha Pandya — **Designation : Sr.Chemist**

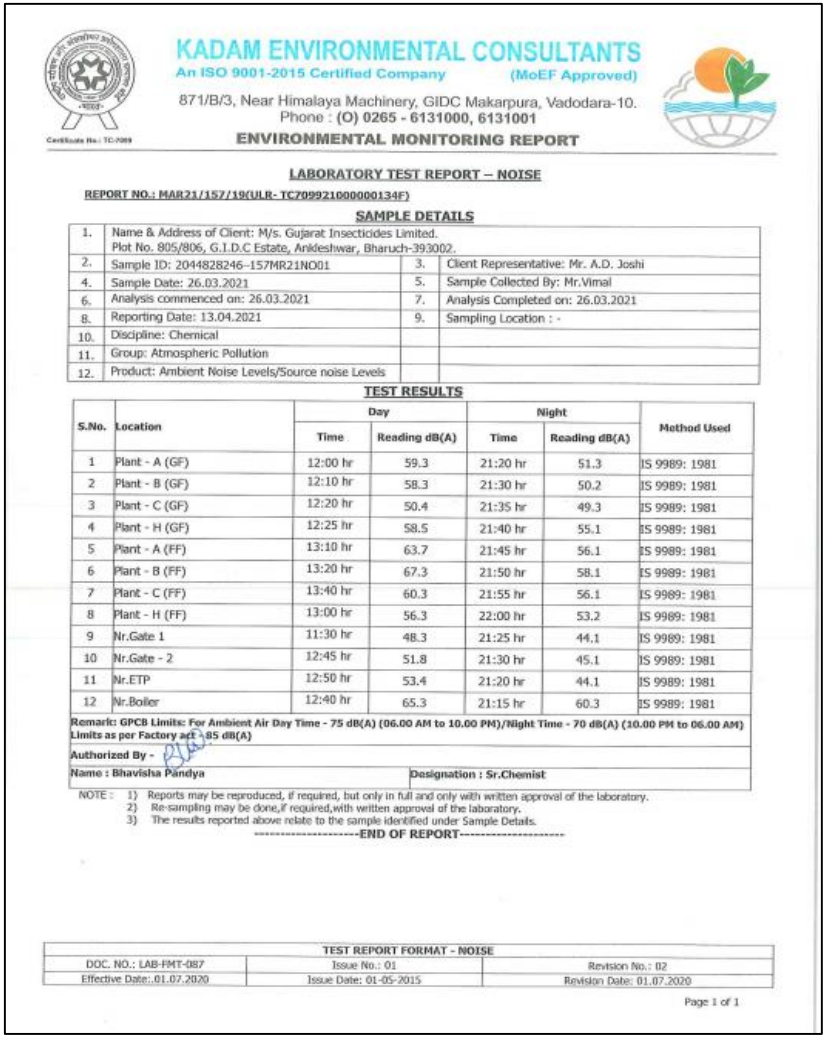
NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

----------END OF REPORT----------

TEST REPORT FORMAT - AMBIENT		
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date:. 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

Page 1 of 1

Annexure – 7
Analysis Report of Noise level Monitoring



KADAM ENVIRONMENTAL CONSULTANTS
An ISO 9001-2015 Certified Company (MoEF Approved)
871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.
Phone : (O) 0265 - 6131000, 6131001
ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – NOISE

REPORT NO.: MAR21/157/19(ULR- TC709921000000134F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.		
2.	Sample ID: 2044828246--157MR21NO01	3.	Client Representative: Mr. A.D. Joshi
4.	Sample Date: 26.03.2021	5.	Sample Collected By: Mr.Vimal
6.	Analysis commenced on: 26.03.2021	7.	Analysis Completed on: 26.03.2021
8.	Reporting Date: 13.04.2021	9.	Sampling Location : -
10.	Discipline: Chemical		
11.	Group: Atmospheric Pollution		
12.	Product: Ambient Noise Levels/Source noise Levels		

TEST RESULTS

S.No.	Location	Day		Night		Method Used
		Time	Reading dB(A)	Time	Reading dB(A)	
1	Plant - A (GF)	12:00 hr	59.3	21:20 hr	51.3	IS 9989: 1981
2	Plant - B (GF)	12:10 hr	58.3	21:30 hr	50.2	IS 9989: 1981
3	Plant - C (GF)	12:20 hr	50.4	21:35 hr	49.3	IS 9989: 1981
4	Plant - H (GF)	12:25 hr	58.5	21:40 hr	55.1	IS 9989: 1981
5	Plant - A (FF)	13:10 hr	63.7	21:45 hr	56.1	IS 9989: 1981
6	Plant - B (FF)	13:20 hr	67.3	21:50 hr	58.1	IS 9989: 1981
7	Plant - C (FF)	13:40 hr	60.3	21:55 hr	56.1	IS 9989: 1981
8	Plant - H (FF)	13:00 hr	56.3	22:00 hr	53.2	IS 9989: 1981
9	Nr.Gate 1	11:30 hr	48.3	21:25 hr	44.1	IS 9989: 1981
10	Nr.Gate - 2	12:45 hr	51.8	21:30 hr	45.1	IS 9989: 1981
11	Nr.ETP	12:50 hr	53.4	21:20 hr	44.1	IS 9989: 1981
12	Nr.Boiler	12:40 hr	65.3	21:15 hr	60.3	IS 9989: 1981

Remark: GPCB Limits: For Ambient Air Day Time - 75 dB(A) (06.00 AM to 10.00 PM)/Night Time - 70 dB(A) (10.00 PM to 06.00 AM) Limits as per Factory act - 85 dB(A)

Authorized By -

Name : Bhavisha Pandya **Designation : Sr.Chemist**

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re-sampling may be done,if required,with written approval of the laboratory.
3) The results reported above relate to the sample identified under Sample Details.

----------END OF REPORT----------

TEST REPORT FORMAT - NOISE		
DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 02
Effective Date:.01.07.2020	Issue Date: 01-05-2015	Revision Date: 01.07.2020

Page 1 of 1

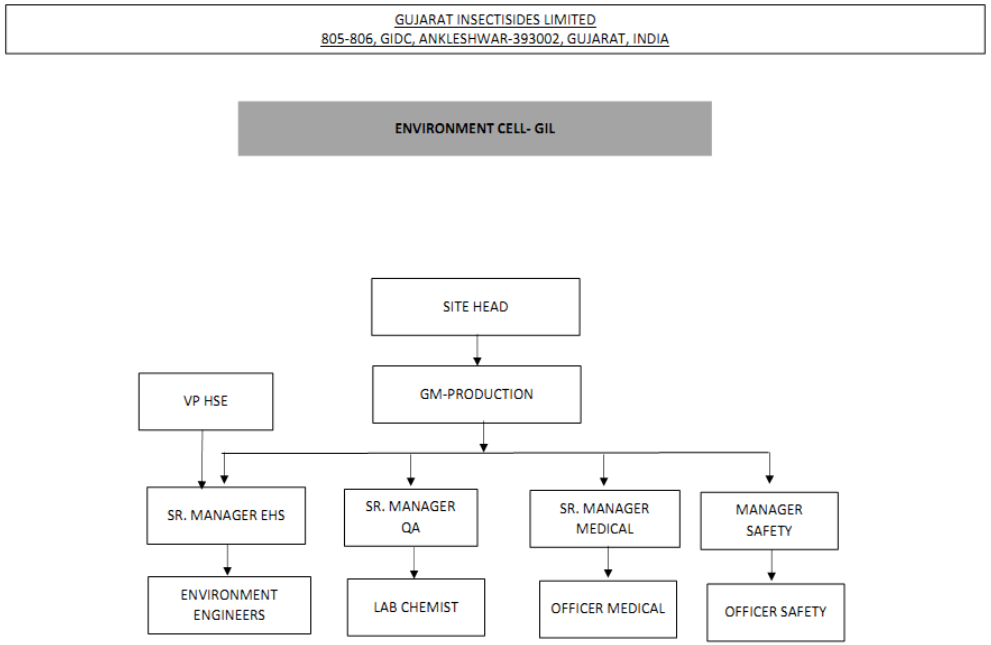
Annexure – 8
Work Instruction for safety and health aspects of chemical handling

STANDARD OPERATING PROCEDURE/ WORK INSTRUCTION		
Rev No.: 02	Effective Date : 01-04-2018	Doc No. : SFT/WI/02
Title : **Safety Training**		
Clause No.: ISO 9001 2000: 6.2.1,6.2.2 ISO 14001 2004: 4.4.2OHSAS 18001 2007: 4.4.2		

1. Purpose:
1.1 To educate the employees about safety norm, safety awareness.
2. Scope:
2.1 The training is imparted to all employees of factory.
3. Cross Reference:
3.1 SFT/SOP/27 Safety & safe environment.
4. Definition of Terms: None
5. Responsibility:
5.1 General Manager - Production
5.2 Manager / Executive - Safety

6. Description:
6.1 Induction training is given to all new company and contractor employees within a week after joining. This involves use of Personal protective Equipment, about the chemicals handled in the factory, Emergency management, Safety procedures, EMS system, Quality system & OHSAS management system etc.
6.2 Weekly two days are fix (Tuesday & Friday) for training of contract work man
6.3 As per module decided by training department, training is imparted to all employees regularly.
6.4 Records of training are maintained in (HRD/F/04) by training department.
6.5 Training Schedule
6.6 Contract supervisor training
6.7 Evaluation of safety training is carried out by objective type question paper for effective training.
7. Document:
7.1 HRD/F/04 Record of Training

Annexure – 9
EHS Cell



Annexure – 10
Details of recovery of Solvent

Solvent: EDC

Month	No. of batches	From & To	Charged (kg)	Recovered (kg)	Loss (kg)	% Recovery
Dec-20	154	977-1330	687456	655027	32429	95.30
Jan-21	156	1131-1286	696384	661982	34402	95.10
Feb- 21	134	1287-1420	598176	571105	27071	95.50
Mar-21	148	1421-1568	660672	629201	31471	95.20
Apr-21	142	1569-1584 1-126	633888	604447	29441	95.4
May-21	152	127-278	678528	645061	33467	95.1

Solvent: Xylene

Month	No. of batches	From & To	Charged	Recovered (kg)	Along with QP (T) (kg)	Loss (kg)	% Recovery
Dec-20	30	#151-180	143550	124342	19208	1544	98.76
Jan-21	51	#181-231	244035	211170	32865	4129	98.04
Feb- 21	53	#232-284	253605	219128	34477	5544	97.47
Mar-21	62	#285-346	296670	254761	41909	5686	97.44
Apr-21	61	#347-349 1-57	291885	250823	41062	5365	97.86
May-21	61	#58-118	291885	249950	41935	5268	98.79

Solvent: Toluene

Month	No. of batches	From & To	Charged (kg)	Recovered (kg)	Loss (kg)	% Recovery
Dec-20	59	393-451	164905	157953	6952	95.8
Jan-21	58	452-509	162110	154918	7192	95.6
Feb- 21	52	510-561	145340	140053	5287	96.4
Mar-21	62	562-623	173290	164731	8559	95.1
Apr-21	58	624-631 1-50	162110	155225	6885	95.8
May-21	58	51-108	162110	154580	7530	95.4

Annexure – 11
PESO license

भारत सरकार
Government of India
वाणिज्य और उद्योग मंत्रालय
Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो)
Petroleum & Explosives Safety Organisation (PESO)
आठवीं मंज़िल, यश कमल बिल्डिंग, सयाजी गंज
वडोदरा- 390020
8th Floor, Yash Kamal Building, Sayajigunj,
Vadodara - 390020

E-mail : dyccebaroda@explosives.gov.in
Phone/Fax No : 0265 - 2225159

संख्या /No : P/HQ/GJ/15/358 (P9961)

दिनांक /Dated : 16/12/2020

सेवा में /To,

M/s. Gujarat Insecticides Ltd.,
P.Box No. 90, 805/806,
G.I.D.C. Estate, Ankleshwar,
Ankleshwar,
Ankleswar,
Taluka: Ankleswar,
District: BHARUCH,
State: Gujarat
PIN: 393002

29 DEC 2020

विषय /Sub : Plot No, Plot No 805/806 GIDC Estate, Post box no 90, Ankleshwar, Taluka: Ankleswar, District: BHARUCH, State: Gujarat, PIN: 393002 में स्थित [illegible] A,B,C [illegible] P/HQ/GJ/15/358 (P9961) [illegible]
Existing Petroleum Class A,B,C Installation at Plot No, Plot No 805/806 GIDC Estate, Post box no 90, Ankleshwar, Taluka: Ankleswar, District: BHARUCH, State: Gujarat, PIN: 393002 - Licence No. P/HQ/GJ/15/358 (P9961) - Renewal regarding.

महोदय /Sir (s),

कृपया आपके पत्र क्रमांक OIN631507 दिनांक 26/10/2020 का अवलोकन करें ।
Please refer to your letter No.: OIN631507, dated 26/10/2020

अनुज्ञप्ति संख्या P/HQ/GJ/15/358 (P9961) दिनांक 25/05/2018 को दिनांक 31/12/2023 तक नवीनीकृत कर इस पत्र के साथ अग्रेषित की जा रही है ।
Licence No. P/HQ/GJ/15/358 (P9961) dated 25/05/2018 is forwarded herewith duly renewed upto 31/12/2023.

कृपया पेट्रोलियम नियम 2002 के अधीन [illegible] नियम 148 में दी गई प्रक्रिया का कड़ाई से पालन करें । [illegible]
Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence so as to reach this office on or before the date on which Licence expires.

कृपया पावती दें।
Please acknowledge the receipt

भवदीय /Yours faithfully,

(संजय कुमार)
(Sanjay Kumar))
विस्फोटक नियंत्रक
Controller of Explosives
कृते उप मुख्य विस्फोटक नियंत्रक
For Dy. Chief Controller of Explosives
वडोदरा/Vadodara

Note:-This is system generated document does not require signature.
(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : http://peso.gov.in देखें)
(For more information regarding status,fees and other details please visit our website http://peso.gov.in)

प्रपत्र XV
(प्रथम अनुसूची का अनुच्छेद 6 देखिए)
FORM XV
(see Article 6 of the First Schedule)

अधिष्ठापनों में पेट्रोलियम के आयात और भंडारकरण के लिए अनुज्ञप्ति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनुज्ञप्ति सं. (Licence No.) : P/HQ/GJ/15/358(P9961) फीस रुपए (Fee Rs.) 33150/- per year

M/s. Gujarat Insecticides Ltd., P.Box No. 90, 805/806, G.I.D.C. Estate, Ankleshwar, Ankleshwar, Anklesvar, Taluka: Ankleswar, District: BHARUCH, State: Gujarat, PIN: 393002 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम 512.50 KL आयात करने के लिए और उसका नीचे वर्णित और अनुमोदित नक्शा संख्या P/HQ/GJ/15/358 (P9961) तारीख 16/12/2020 जो कि इससे उपाबद्ध है, में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति की अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुज्ञप्ति अनुदत्त की जाती है ।
Licence is hereby granted to M/s. Gujarat Insecticides Ltd., P.Box No. 90, 805/806, G.I.D.C. Estate, Ankleshwar, Ankleshwar, Anklesvar, Taluka: Anklesvar, District: BHARUCH, State: Gujarat, PIN: 393002 valid only for the importation and storage of 512.50 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/HQ/GJ/15/358(P9961) dated 16/12/2020 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुज्ञप्ति 31st day of December 2023 तक प्रवृत्त रहेगी ।
The Licence shall remain in force till the 31st day of December 2023

पेट्रोलियम का विवरण /Description of Petroleum	अनुज्ञप्त मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	275.00 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	137.50 KL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	100.00 KL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C,otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	512.50 KL

May 17, 1982

— Sd —
Chief Controller of Explosives

1). Amendment dated - 07/10/2004
2). Amendment dated - 25/05/2018

अनुज्ञप्त परिसरों का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुज्ञप्त परिसर जिसकी विन्यास सीमाएं अन्य विशिष्टियां संलग्न अनुमोदित नक्शे में दिखाई गई हैं Plot No: Plot No 805/806 GIDC Estate, Post box no 90, Ankleshwar, Taluka: Ankleswar, District: BHARUCH, State: Gujarat, PIN: 393002 स्थान पर अवस्थित है तथा उसमें निम्नलिखित 10 aboveground Petroleum Class A, 4 aboveground Petroleum Class B and 4 aboveground Petroleum Class C storage tanks together with other connected facilities. सम्मिलित है ।
The licensed premises, the layout , boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: Plot No 805/806 GIDC Estate, Post box no 90, Ankleshwar, Taluka: Ankleswar, District: BHARUCH, State: Gujarat, PIN: 393002 and consists of 10 aboveground Petroleum Class A, 4 aboveground Petroleum Class B and 4 aboveground Petroleum Class C storage tanks together with other connected facilities. together with connected facilities.

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पेज सं. 2

अनुज्ञप्ति संख्या-(Licence No.) P/HQ/GJ/15/368 (P8961)

नवीनीकरण के पृष्ठांकन के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, 1934 के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञप्ति फ़ीस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी। This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.	नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry of license	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature and office stamp of the licencing authority
1).	22/12/2004	31/12/2007	Sd/- P.K. Mukhopadhyaya
2).	14/12/2007	31/12/2010	Sd/- R.K.MAINDOLA
3).	03/03/2011	31/12/2013	Sd/- Dr. M.I.Z.Ansari
4).	30/01/2014	31/12/2016	Sd/- D.C.PANDEY Controller of Explosives For Dy. Chief Controller of Explosives Vadodara
5).	21/11/2016	31/12/2019	Sd/- Anil Kumar Yadav Controller of Explosives For Dy. Chief Controller of Explosives Vadodara
6).	23/12/2019	31/12/2020	Sd/- Mohanlal Jana Dy. Controller of Explosives For Dy. Chief Controller of Explosives Vadodara
7).	18/12/2020	31/12/2023	Sanjay Kumar Controller of Explosives For Dy. Chief Controller of Explosives Vadodara

उप मुख्य विस्फोटक नियंत्रक, वडोदरा
Dy. Chief Controller of Explosives, Vadodara

यदि अनुज्ञप्ति परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुज्ञप्ति मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुज्ञप्ति रद्द की जा सकती है और अनुज्ञप्तिधारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चात्वर्ती अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

Note:-This is system generated document does not require signature.

Annexure-12: Details of flue gas stack and Process stack:

a) Details of flue gas stack

Sr. No.	Stack Id / Stack Attached to	Capacity / Remarks	Name of Fuel	Quantity of Fuel	Air Pollution Control Measure	Stack Height in meter (From G. L.)	Parameter	Permissible limit	Unit
1	60825 – Fuel Heater (Thermic)	Thermopack TP-01 (2 lac Kcal)	H.S.D	45 lit/Hr	NA	15	PM SO_2 NO_x	150 100 50	mg/NM^3 ppm ppm
2	60826 – Fuel Heater (Thermic)	Thermopack TP-02 (2 lac Kcal)	Natural gas	25 NM^3/Hr	NA	15	PM SO_2 NO_x	150 100 50	mg/NM^3 ppm ppm
3	9153 – Fuel Heater (Thermic)	Haiza Hot Oil Unit (2 lac Kcal)	Natural gas	25 NM3/Hr	NA	30	PM SO_2 NO_x	150 100 50	mg/NM^3 ppm ppm
4	36250 - Boiler	Boiler (10 TPH)	Coal	1500 kg/Hr or Briquettes : 1500 kg/hr	E.S.P	30	PM SO_2 NO_x	150 100 50	mg/Nm^3 ppm ppm
5	Fuel Heater (Thermic)	Hot Oil Unit (2 lakh kcal/h)	Natural Gas H.S.D.	75 Nm3/h or 70 L/h	--	30	PM SO2 NOx	150 100 50	mg/Nm^3 ppm ppm
6	DG Set	DG Set (1500 KVA)	H.S.D.	350 L/h	--	33	PM SO2 NOx	150 100 50	mg/Nm^3 ppm ppm

b) Details of Process Gas Stack:

Sr. No.	Stack Id / Stack Attached to	Air pollution control measures	Stack height in meter (From G.L.)	Parameter & Permissible limit
1	9155 - Process emission vessel	Alkali scrubber	20	SO_2 – 40 mg/Nm^3 HCl – 20 mg/Nm^3 Chlorine – 09 mg/Nm^3
2	36251 – Gas Exist	Alkali scrubber	20	HBr – 30 mg/Nm^3 Bromine – 2 mg/Nm^3
3	Process Emission Vessels	Water+ Alkali Scrubber	20	HBr – 30 mg/Nm^3 Bromine – 2 mg/Nm^3
4	Process Emission Vessel	Water+ Alkali Scrubber	20	HCl – 20 mg/Nm^3 SO_2 – 40 mg/Nm^3
5	Process Emission Vessel	Water+ Alkali Scrubber	20	HCl – 20 mg/Nm^3 SO_2 – 40 mg/Nm^3
6	Process Emission Vessel	Water+ Alkali Scrubber	20	HCl – 20 mg/Nm^3 HBr – 30 mg/Nm^3 NH_3 – 30 mg/Nm^3

Annexure - 13
Environmental Management System (EMS) Adequacy Certificate

ANNEXURE – 30

ENVIRONMENTAL MANAGEMENT SYSTEM ADEQUACY CERTIFICATE

M/s. Shree Swami Atmanand Saraswati Institute of Technology (Civil Engineering Department) is recognized by the GPCB, Gandhinagar under the environment audit scheme introduced by the Hon. Gujarat High Court vide its order dated 20-12-1996 and 13-03-1997 and modified vide order dated 16-09-1999, 22-04-2010 & 23-1-2015, as an environmental auditor for the purpose of the auditing, having carried out environmental audit of:

M/s. Gujarat Insecticides Limited (GIL-Ankleshwar)

Located at: Plot No: 805/806, GIDC Estate, Ankleshwar, Dist: Bharuch, Gujarat.

Manufacturing products & Byproducts as under:

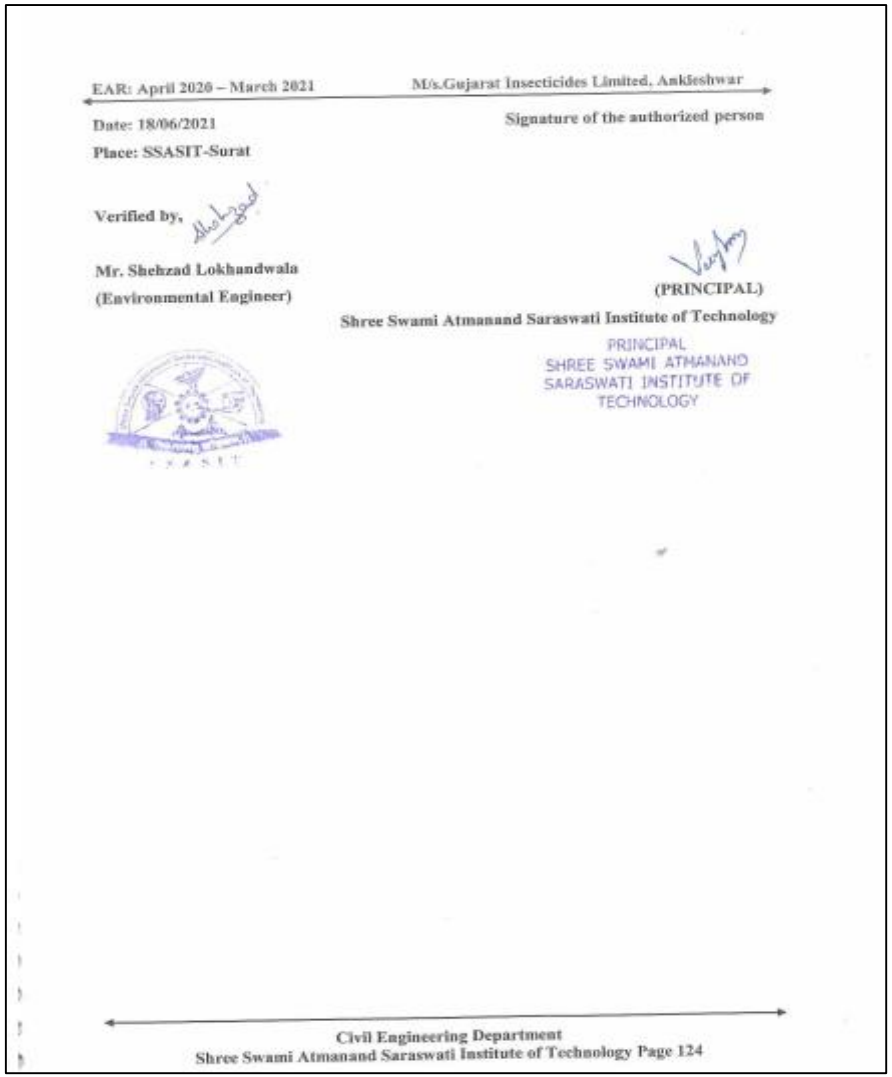
Sr. No.	Name of Product	Consent Quantity (MT/Annum)
1	Fenvalerate OR Lambda Cyhalothrin OR Bifenthrin OR Deltamethrin OR Thiamethoxam OR Buprofezin OR Permethrin	100
2	Quinalphos OR Triazophos OR Chlorpyriphos OR Temephos OR Methyl Chlorpyriphos OR Profenophos	2400
3	Meta Phenoxy Benzaldehyde (MPB) OR Dichloro Phenol (DCP) OR Meta Phenoxy Benzaldehyde Acetal OR Meta Phenoxy Benzaldehyde Alcohol	3600
4	Indoxacarb OR Tricyclazole OR Hexaconazole OR Propiconazole OR Metalaxyl OR Meta Phenoxy Benzaldehyde Acetal OR Meta Phenoxy Benzaldehyde Alcohol	600

5	Diafenthiuron OR Meta Phenoxy Benzaldehyde Acetal OR Meta Phenoxy Benzaldehyde Alcohol OR	600
	Amino Pyrazole	600
6	Carbendazim OR Meta Phenoxy Benzaldehyde Acetal OR Meta Phenoxy Benzaldehyde Alcohol	300
7	Crude Pigment Violet – 23 OR Poly Ether Ketone (PEK) OR Poly Ether Ketone Ketone (PEKK) OR ABPBI OR ABPBO OR Poly Ether Imide (PEI)	300
8	N-Aceto Acetyl Aminobenzimidazadone (NAA) OR Meta Phenoxy Benzaldehyde Acetal OR Meta Phenoxy Benzaldehyde Alcohol OR Meta Bromo Benzaldehyde	50
9	Bromine Recovery	700
10	Formulation of Technical Product	5000 KL
11	Captive Power Plant – Gas Based	0.945 MW
12	Captive Power Plant – DG Set (1500 KVA) – Stand by	1500

As per the directions of the Hon. High Court in environmental audit scheme and based on personal monitoring (Collection of samples, Analysis), We certify that the Environmental Management System provided by this industry for the products and capacity as stated above is adequate and efficacious to achieve the quality of effluents (Air + Waste water + Solid waste) as specified/ required consent / notification by GPCB, Gandhinagar for following quantity of effluent:

Sr. No.	Quality	Consent Quantity	Status
1	**Air emission (flue gas stacks as well as process stacks)**	As per CCA	**Adequate/Efficacious**
2	**Effluent**	904 KLD + 75 KLD	**Adequate/Efficacious**
3	**Haz/solid waste**	As per CCA	**Adequate/Efficacious**

This certificate is valid for audit period **(April'20- March'21)** only. However, it is subjected to automatic cancellation in case of any change in product profile/capacity, quality & quantity of effluents (Air + Wastewater + Solid waste) and efficiency of EMS equipment.



EAR: April 2020 – March 2021 M/s.Gujarat Insecticides Limited, Ankleshwar

Date: 18/06/2021 Signature of the authorized person

Place: SSASIT-Surat

Verified by,

Mr. Shehzad Lokhandwala
(Environmental Engineer)

(PRINCIPAL)
Shree Swami Atmanand Saraswati Institute of Technology

PRINCIPAL
SHREE SWAMI ATMANAND
SARASWATI INSTITUTE OF
TECHNOLOGY

Civil Engineering Department
Shree Swami Atmanand Saraswati Institute of Technology Page 124

Annexure 14:

All necessary regulatory procedures are strictly followed as per amended Hazardous Waste Management &Handling Rules-2016 and its Work Instruction is attached below:

1. **Purpose:** To establish Procedure for the Collection, Storage, Transportation of Hazardous and nonhazardous and its disposal Waste after adequate Treatment & to maintain its record as per statutory requirements
2. **Scope:** All activities of the company

3. **Responsibility:**

Factory Manager	To review the records
Manager (HSE.)	To Implement the Procedure & maintain its records

4. **DETAILS OF SOLID WASTE GENERATION & MANAGEMENT: -**

Sr. No.	Type of Waste	Sch.	Category (As Per Schedule) Rules 2016	Generation MT Per Annum	Name of GPCB approved END user
1.	Spent Solvent	I	20.2	12 MT	MITOLIA CHEMICALS
2.	Distillation Residues	I	20.3	420 MT	ULTRATECH CEMENT LTD
3.	Process Waste Sludge/ Residue containing acid, Toxic metals, organic compounds	I	26.1	252 MT	ULTRATECH CEMENT LTD
4.	Process wastes or residues	I	29.1	360 MT	SAURASHTRA ENVIRO PROJECTS PVT. LTD

Sr. No.	Type of Waste	Sch.	Category (As Per Schedule) Rules 2016	Generation MT Per Annum	Name of GPCB approved END user
5.	Sludge containing residual pesticides	I	29.2	2760 MT	BHARUCH ENVIRO INFRASTRUCTURE LTD
6.	Date-expired and off specification pesticides	I	29.3	60 MT	SAURASHTRA ENVIRO PROJECTS PVT. LTD
7.	Spent Catalysts	I	29.5	12 MT	RASHDEEP CHEMICALS
					M/s. SOLVEX TECHNOLOGY
8.	Empty barrels/ containers/liners contaminated with hazardous chemicals/wastes	I	33.1	344.68	HARSHEEL ENTERPRISE
9.	Oil and Grease skimming	I	35.4	12 MT	SAURASHTRA ENVIRO PROJECTS PVT. LTD
10.	Spent Carbon or filter medium	I	36.2	24 MT	ULTRATECH CEMENT LTD
					RECYCLING SOLUTIONS PVT. LTD.
11.	Used or Spent Oil	I	5.1	12 MT	SURAJ BARRELS SUPPLIER
12.	Wastes or residues containing oil	I	5.2	6 MT	SURAJ BARRELS SUPPLIER
13.	Ammonia	II	A10	420 MT	RASHDEEP CHEMICALS
14.	Halogen-Containing compounds which produce acidic vapours on contact with humid air or water e.g. Silicon tetrachloride, Aluminum chloride, Titanium tetrachloride	II	B10	864.00	CHLORIDES INDIA
					JUSS INDUSTRIES
					RASHDEEP CHEMICALS
15.	Halogen-Containing compounds which produce acidic vapours on contact with humid	II	B10	14400	RASHDEEP CHEMICALS
					SHREEKALA INTERMEDIATE PVT. LTD

Sr. No.	Type of Waste	Sch.	Category (As Per Schedule) Rules 2016	Generation MT Per Annum	Name of GPCB approved END user
	air or water e.g. Slicon tetrachloride, Aluminium chloride, titanium tetrachloride				SYNERGY MULTICHEM PVT LTD
					PENTAGON CHEMICALS
16.	Inorganic acids	II	B15	4320	KHAITAN CHEMICALS & FERTILIZER
17.	Calcium Chloride (35%)	II	B10	0	RASHDEEP CHEMICALS
					JUSS INDUSTRIES
18.	Sodium bisulfate (20-25%)	II	B23	0	RASHDEEP CHEMICALS
19.	Calcium Sulfate (92%)	--	--	0	DIGVIJAY CEMENT

Canteen Waste:

- Bio Degradable waste is generated by Canteen in process of food preparation and serving food. All such waste is collected from canteen on day to day basis in container and transported to anaerobic digester of Bharuch enviro infra structure limited, Ankleshwar. Transport is arranged by Disposal site.
- Exercise of Hazard Identification, Risk Analysis (HIRA-activities) for the present products/systems is Carried out (MR/SOP/05)
- Exercise of aspect Identification, evaluation of Impact on Environment the present products/systems is Carried out (MR /SOP/03)

Documentation:

Form-03	Monthly statement of solid waste
Form-04	Yearly statement of solid waste

Annexure: 15
Record of Hazardous waste management in Form - 4

DECEMBER - 2020 TO MAY - 2021
SOLID WASTE DISPOSAL DETAILS

Month	Distillation residue with saw dust (MT)	Process waste Sludge/Residue containing acid, toxic metals, organic compounds	Process waste OR Residue	Sludge Containing Residue Pesticides	Spent Catalyst	Empty barrels/ containers/ liners/ contaminated with hazardous chemicals/ wastes	Used or Spent Oil
Category	**20.3**	**26.1**	**29.1**	**29.2**	**29.5**	**33.1**	**5.1**
Dec-20	38.225	-	38.275	276.145	-	18.52	-
Jan-21	55.33	-	40.405	535.755	-	10.92	-
Feb-21	53.585	-	17.315	670.645	-	9.39	-
Mar-21	50.350	9.19	32.25	347.375	15.218	18.955	7.585
Apr-21	35.31	14.93	17.78	334.585	-	15.01	-
May-21	29.63	14.675	39.115	317.225	-	11.80	-
Total	**262.43**	**38.795**	**185.14**	**2481.73**	**15.218**	**84.595**	**7.585**

DETAILS OF SOLID/HAZARDOUS WASTE DISPOSAL TO GPCB APPROVED END USERS & TREATMENT AT SITE (DECEMBER -20 TO MAY – 2021)

Month	Halogen containing compounds which produce acidic vapours on contact with humid air OR water e.g. slicon tetrachloride, aluminium chloride, titanium chloride	Halogen containing compounds which produce acidic vapours on contact with humid air OR water e.g. slicon tetrachloride, aluminium chloride, titanium chloride	Inorganic acids
Category	**B10**	**B10**	**B15**
-	**$AlCl_3$ Solution**	**KCl Powder**	**-**
Dec-20	1582.625	161	258.835
Jan-21	1627.587	131	36.76
Feb-21	1471.31	101	-
Mar-21	1858.015	137.05	-
Apr-21	1769.38	105.09	-
May-21	1931.10	126.215	-
Total	**10240.017**	**761.355**	**295.595**

Form No. D2

Monthly Report from Industry — **Form No D2**

Gujarat Pollution Control Board — **April , 2021**

1. Name & address of Industry : Gujarat Insecticides Limited, , Ankleshwar - 393002 DIST : Ankleshwar, TAL : Ankleshwar, SIDC : Ankleshwar — **PCB ID : 15141**

2. Phone No. : 02646 222271

3. Date of commencement of Manufacturing process : 10/06/1982

4. CTEs No. & Date : CEE-90532,17/01/2023

5. CCA No . & Date of Expiry : AWH-108370, 13/03/2022

6. Water Cess (with Interest) paid up to which Period : 2017-2018

7. Laboratory charges pending if any : 0

8. Water consumed during the month (by all sources)in KL : Meter Reading=489360,Kilo Litre=25600

Water Cess Cooling Boiler/Dom/BIO Degrable/Non BIO Degrable : 10168 / 713 / 13499 / 1220

9. Electricity consumed in PRODUCTION : 1553685 **ETP/CETP :** 92161 **APCM :** 23391

9A. Stack attached to : Boiler,D.G. Sets,*** Not Applicable,Fuel Heater(Thermic)

10. Fuel consumed during the month : Coal,H.S.D,Natural Gas

11. Products : crude pigment violet-23/pek/pekk/abpbi/abpbo/pei,meta phenoxy benzaldehyde (mpb)/dichloro phenol (dcp),Meta Phenoxy Benzaldehyde Acetal,Meta Phenoxy Benzaldehyde Acetal (Group 3),Meta Phenoxy Benzaldehyde Acetal (Group 5),Meta Phenoxy Benzaldehyde Acetal (Group 6),Meta Phenoxy Benzaldehyde Acetal (Group 8),Meta Phenoxy Benzaldehyde Alcohol (Group 4),quinalphos/triazophos/chlorpyriphos/temephos/methyl chlorpyriphos/propenophos

12. Work of Control Measures In Progress : Nothing in Progress

13. Upgradation / Addition of PCM is Required : Nothing Suggested

14. HAZ Waste Disposal(in Metric Tonne): Land Filling Waste to TSDF=349.595,INC. Waste for Incineration=17.780,Co-Incineration Waste to other Industry=50.240,Recyclable to Regd Recyclers=1874.470,Trucks despatched=121

N | C Date : 29/05/2021 1 / 8 Company Seal Authorised Signatory

Yours Faithfully

Annexure 16:
Details of Budget allocation sheet for EMP.

		June 2020 to November 2020	December 2020 to May 2021
Sr. No.	**Particulars**	**Recurring Cost Per Annum [Rs.]**	**Recurring Cost Per Annum [Rs.]**
1	Air Pollution Control	3734460	4311613
2	Water Pollution Control		
	a) Raw material cost	9110691	10124877
	b) Disposal cost (effluent)	10360683	11031701
	c) Power cost	5907457	5839055
	d) Service men days	1148642	1278060
	e) Consultancy charge	212500	399264
3	Noise Pollution Control	---	---
4	Environment Monitoring & Management	250825	95172
5	Solid/Hazardous Waste Handling and Management	8782538	14957429
6	Green Belt	349400	360000
	TOTAL	**39857196**	**48397171**

Capital Cost Expenditure:

1. Period (June 2020 to November 2020):

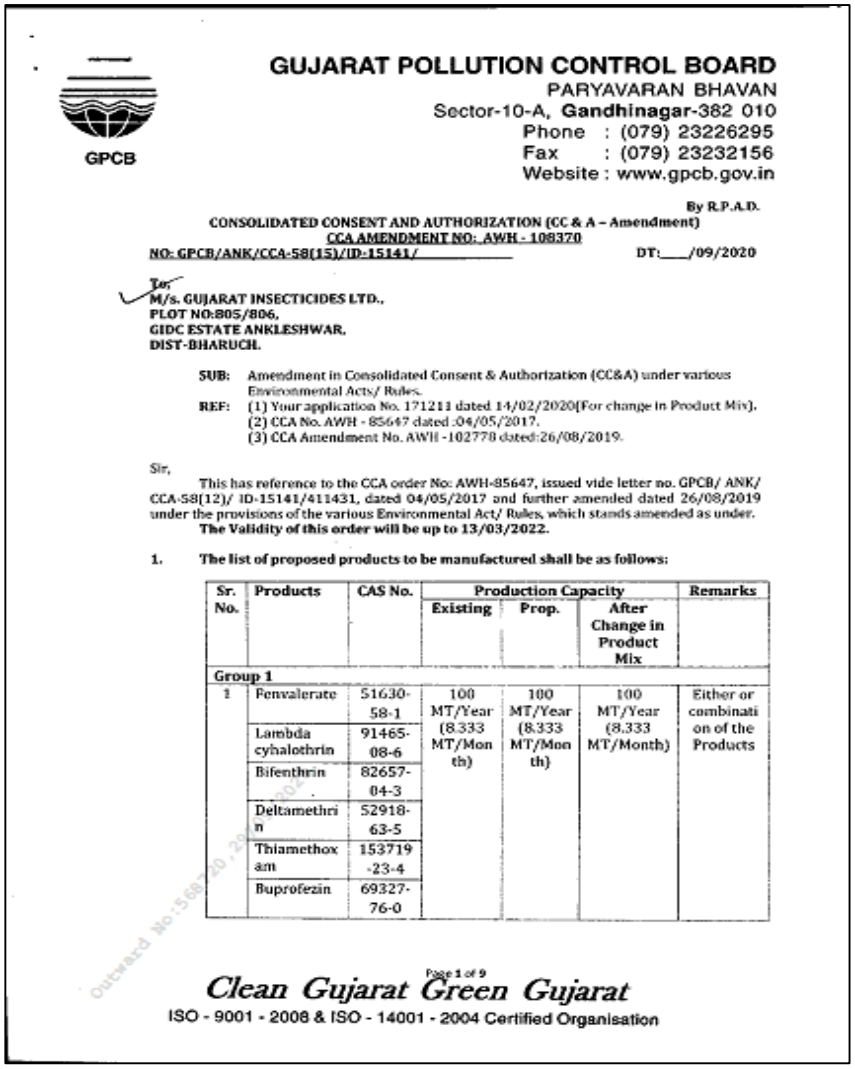
Sr. No	Particulars	Sub Particulars	Capital Cost (Rs. Lac.)
1	Upgradation Of ETP	Installation of UV based online water monitoring system (TOC)	13.50
		Strengthening work of Collection tank	5.21
2	10 KL/hr MEE Plant & RO Plant	Civil Material, pipe & pipe fittings, Electrification	53.45
		Intermediate Tank farm for MEE & RO	9.43
	Total		**81.59 Lacs**

1. Period (December 2020 to May 2021):

Sr. No	Particulars	Sub Particulars	Capital Cost (Rs. Lac.)
1	Upgradation of ETP	Instrumentation and Maintenance work	57.45
	Total		**57.45 Lacs**

Annexure 17:

Amendment in CTO for Change in Product Mix having CCA Amendment No. AWH-108370 obtained from GPCB on 29th September 2020.



GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, **Gandhinagar**-382 010
Phone : (079) 23226295
Fax : (079) 23232156
Website : www.gpcb.gov.in

By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A – Amendment)
CCA AMENDMENT NO: AWH - 108370
NO: GPCB/ANK/CCA-58(15)/ID-15141/ **DT:___/09/2020**

To,
M/s. GUJARAT INSECTICIDES LTD.,
PLOT NO:805/806,
GIDC ESTATE ANKLESHWAR,
DIST-BHARUCH.

SUB: Amendment in Consolidated Consent & Authorization (CC&A) under various Environmental Acts/ Rules.
REF: (1) Your application No. 171211 dated 14/02/2020(For change in Product Mix).
(2) CCA No. AWH - 85647 dated :04/05/2017.
(3) CCA Amendment No. AWH -102778 dated:26/08/2019.

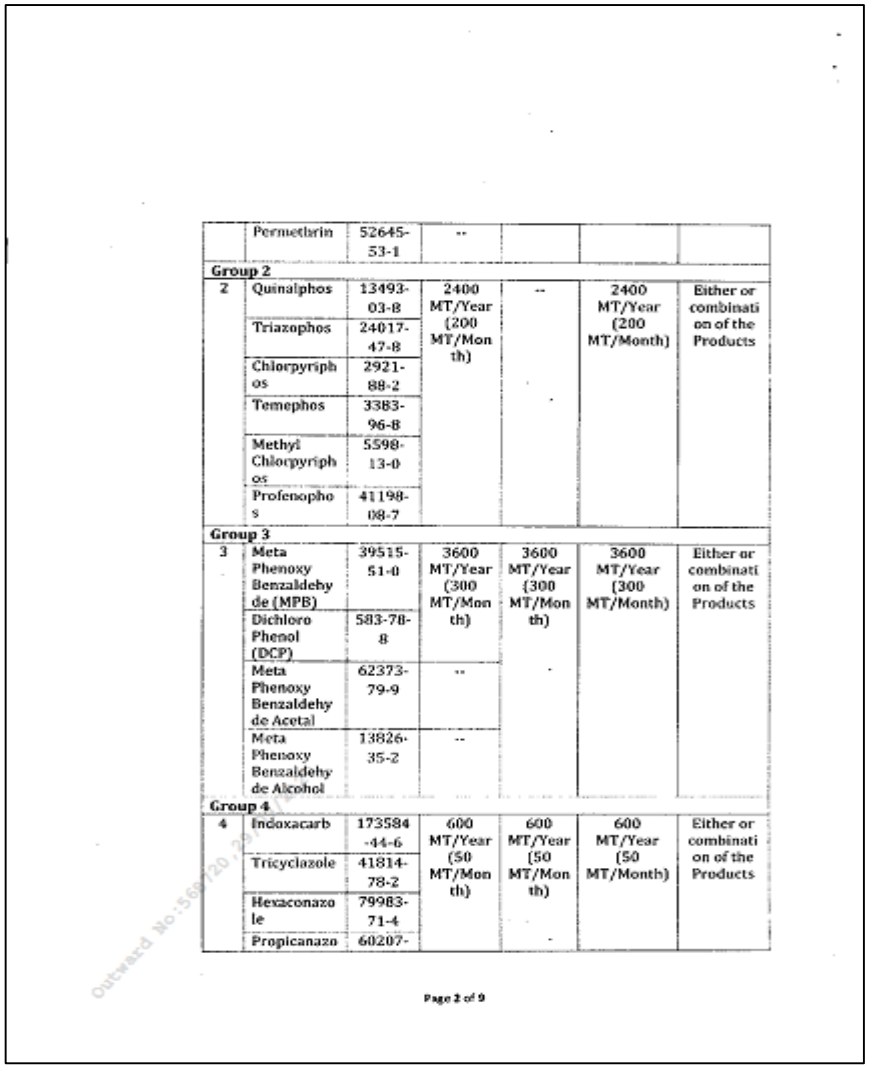
Sir,

This has reference to the CCA order No: AWH-85647, issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431, dated 04/05/2017 and further amended dated 26/08/2019 under the provisions of the various Environmental Act/ Rules, which stands amended as under.
The Validity of this order will be up to 13/03/2022.

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

Sr. No.	Products	CAS No.	Production Capacity			Remarks
			Existing	Prop.	After Change in Product Mix	
Group 1						
1	Fenvalerate	51630-58-1	100 MT/Year (8.333 MT/Month)	100 MT/Year (8.333 MT/Month)	100 MT/Year (8.333 MT/Month)	Either or combination of the Products
	Lambda cyhalothrin	91465-08-6				
	Bifenthrin	82657-04-3				
	Deltamethrin	52918-63-5				
	Thiamethoxam	153719-23-4				
	Buprofezin	69327-76-0				

Clean Gujarat Green Gujarat
ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation



	Permethrin	52645-53-1	--			
Group 2						
2	Quinalphos	13493-03-8	2400 MT/Year (200 MT/Month)	--	2400 MT/Year (200 MT/Month)	Either or combination of the Products
	Triazophos	24017-47-8				
	Chlorpyriphos	2921-88-2				
	Temephos	3383-96-8				
	Methyl Chlorpyriphos	5598-13-0				
	Profenophos	41198-08-7				
Group 3						
3	Meta Phenoxy Benzaldehyde (MPB)	39515-51-0	3600 MT/Year (300 MT/Month)	3600 MT/Year (300 MT/Month)	3600 MT/Year (300 MT/Month)	Either or combination of the Products
	Dichloro Phenol (DCP)	583-78-8				
	Meta Phenoxy Benzaldehyde Acetal	62373-79-9	--			
	Meta Phenoxy Benzaldehyde Alcohol	13826-35-2	--			
Group 4						
4	Indoxacarb	173584-44-6	600 MT/Year (50 MT/Month)	600 MT/Year (50 MT/Month)	600 MT/Year (50 MT/Month)	Either or combination of the Products
	Tricyclazole	41814-78-2				
	Hexaconazole	79983-71-4				
	Propicanazo	60207-				

GPCB

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	le	90-1				
	Metalaxyl	57837-19-1				
	Meta Phenoxy Benzaldehyde Acetal	62373-79-9	--			
	Meta Phenoxy Benzaldehyde Alcohol	13826-35-2	--			
Group 5						
5	Diafenthiuron	80060-09-9	1200 MT/Year (100 MT/M)	600 MT/Year (50 MT/M)	600 MT/Year (50 MT/M)	Total production shall not exceed 1200 MT/Year (600 Diafenthiuron, MPB Acetal, MPB Alcohol & 600 MTA Amino Pyrazole)
	Meta Phenoxy Benzaldehyde Acetal	62373-79-9	--			
	Meta Phenoxy Benzaldehyde Alcohol	13826-35-2	--			
	Amino Pyrazole	120068-79-3	--	600 MT/Year (50 MT/M)	600 MT/Year (50 MT/M)	
Group 6						
6	Carbendazim	10605-21-7	300 MT/Year (25 MT/Month)	300 MT/Year (25 MT/M)	300 MT/Year (25 MT/M)	Either or combination of the Products
	Meta Phenoxy Benzaldehyde Acetal	62373-79-9	--			
	Meta Phenoxy Benzaldehyde Alcohol	13826-35-2	--			

Group 7						
7	Crude Pigment Violet – 23	215247-95-3	300 MT/Year (25 MT/Month)	-	300 MT/Year (25 MT/Month)	Either or combination of the Products
	Poly Ether Ketone (PEK)	27380-27-4				
	Poly Ether Ketone Ketone (PEKK)	74790-25-5				
	Poly (2, 5 Benzamidazole)(ABPBI)	89718-41-2				
	Polybenzoxazole (ABPBO)	89718-41-2				
	Poly Ether Imide (PEI)	61128-46-9				
Group 8						
8	N – Acetoacetyl Aminobenzimidazolone (NAA)	26576-46-5	50 MT/Year (4.166 MT/M)	50 MT/Year (4.166 MT/Month)	50 MT/Year (4.166 MT/Month)	Either or combination of the Products
	Meta Phenoxy Benzaldehyde Acetal	62373-79-9	--			
	Meta Phenoxy Benzaldehyde Alcohol	13826-35-2	--			
	Meta Bromo Benzaldehyde	3132-99-8	--			
Group 9						
9	Bromine Recovery	7726-95-6	700 MT/Year (58.333 MT/M)	-	700 MT/Year (58.333 MT/Month)	--
		Total	9250 MT/Yr	-	9250 MT/Yr	--

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			(770.833 MT/Month)		(770.833 MT/Month)	
10	Formulation of Technical Product	-	5000 KL	-	5000 KL	-
11	Captive Power Plant – Gas Based	-	0.945 MW	-	0.945 MW	-
12	Captive Power Plant – DG Set (1500 KVA)- Stand by	-	1500	-	1500	-

2. **SPECIFIC CONDITIONS:-**

a. Total production shall not exceed **770.833 MT/Month** 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. Unit shall not carryout any activity / production without prior permission that attracts EIA Notification dated 14/09/2006 amended from time to time.
e. All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & there after it shall be disposed through other option.
f. Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.
g. There shall he no change in fuel consumption, flue gas emission and process gas emission.
h. There shall be no change in Hazardous waste quantity / category.
i. Unit shall obtain permission from CPCB / GPCB under rule- 9 of Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 for utilization of spent of other industry as Raw material.
j. In the case of submission of the false or misleading data, this CCA amendment will be forfeited immediately.
k. Unit shall use treated domestic sewage for gardening purpose and shall not use fresh water for gardening purpose.
l. Unit shall explore all possibility to send incinerable hazardous waste to co-processing facility.

[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.

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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) (For solid fuel based utilities)

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.

GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, **Gandhinagar**-382 010
Phone : (079) 23226295
Fax : (079) 23232156
Website : www.gpcb.gov.in

[B] Additional conditions under the Water Act:

a) Unit shall only use treated effluent for preparation of lime and other slurry in ETP. No fresh water shall be utilized in ETP.
b) In the case, if the Industry is not a member of CETP and domestic waste water generation is more than 10 KLPD, industry shall install STP of adequate capacity and treated sewage shall be reused / recycled to the maximum extent.
c) In case of Large and Medium Red Category industry, the unit shall install system for continuous monitoring of effluent quality / quantity as per CPCB guidelines for relevant parameters (like pH, Flow, Temperature, TOC/COD, 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. 3.1 for Water Consumption under Water Act of the CCA order No: AWH-85647, issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431, dated 04/05/2017 and further amended dated 26/08/2019 is amended and shall now be read as under.

Water (Qty: KL/day)	Water consumption		
	Existing	Proposed	Total
Domestic	90	--	90
Gardening	40	--	40

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Industrial			
Process	189	-3	186
Boiler	240	--	240
Cooling	255	--	255
Washing	411	--	411
Total	**1225**	**-3**	**1222**

3.2 The condition No. 3.2 for Wastewater Generation under Water Act of the CCA order No: AWH-85647, issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431, dated 04/05/2017 and further amended dated 26/08/2019 is amended and shall now be read as under.

Waste Water (Qty: KL/day)	Waste Water Generation		
	Existing	Proposed	Total
Domestic	75	--	75
Industrial			
Process	198	-1	197
Boiler	216	--	216
Cooling	80	--	80
Washing	411	--	411
Total	**980**	**-1**	**979**

3.3 Mode of Disposal:

Existing:

a. Industrial wastewater from Process (198 KL/Day), Boiler (216 KL/Day), Washing (411 KL/Day) and Cooling (28 KL/Day out of 80 KL/day) – Total 853 KL/Day shall be treated in ETP within premises and treated waste water (750 KL/Day) shall be discharged into NCT pipeline and remaining treated waste water (103 KL/Day) is sent to in-house MEE followed by RO.
b. Treated waste water (103 KL/Day) along with RO Reject (29 KL/Day) shall be treated in in-house MEE. MEE condensate (119 KL/Day) along with Waste Water from cooling (52 KL/Day) – Total 171 KL/Day shall be treated in RO. RO Permeated (142 KL/Day) shall be reused in cooling tower.
c. Domestic waste water (75 KL/day) shall be treated in STP (Cap. 110 KL/day) & treated water shall be utilized for green belt maintenance.

Proposed:

a. Industrial wastewater from Process (197 KL/Day), Boiler (216 KL/Day), Washing (411 KL/Day) and Cooling (28 KL/Day out of 80 KL/day) – Total 852 KL/Day shall be treated in ETP within premises and treated waste water (750 KL/Day) shall be discharged into NCT pipeline and remaining treated waste water (102 KL/Day) shall be sent to in-house MEE followed by RO.
b. Treated waste water (102 KL/Day) along with RO Reject (29 KL/Day) shall be treated in in-house MEE. MEE condensate (118 KL/Day) along with Waste Water from cooling (52 KL/Day) – Total 170 KL/Day shall be treated in RO. RO Permeated (141 KL/Day) shall be reused in cooling tower.

GPCB

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c. Domestic waste water (75 KL/day) shall be treated in STP (Cap. 110 KL/day) & treated water shall be utilized for green belt maintenance.

4 All other conditions of CCA order No: **AWH-85647, issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431, dated 04/05/2017 and further amended dated 26/08/2019** will remain same.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(M.P.Solanki)
DY. ENVIRONMENT ENGINEER

Clean Gujarat Green Gujarat

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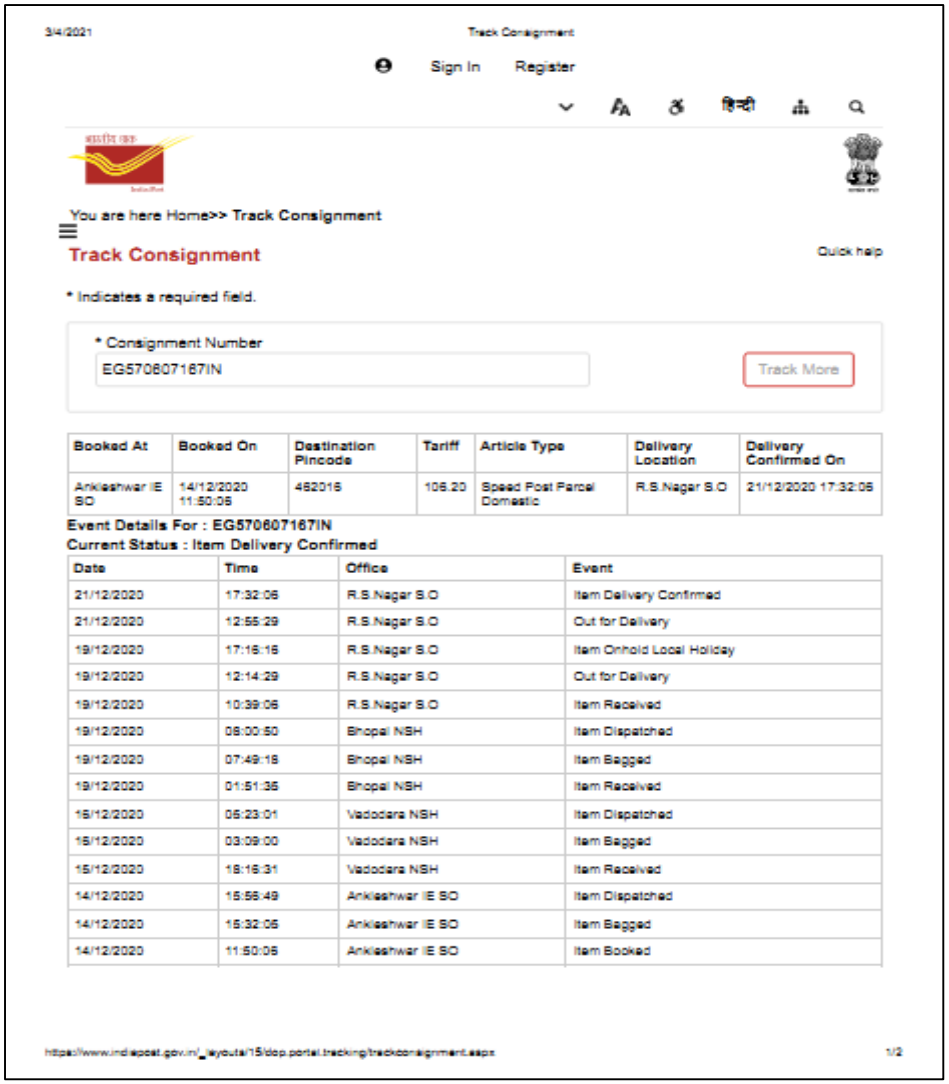
Annexure 18
Copy of Speed post Tracker



3/4/2021 Track Consignment

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Track Consignment

Quick help

* Indicates a required field.

* Consignment Number

EG570607167IN

Track More

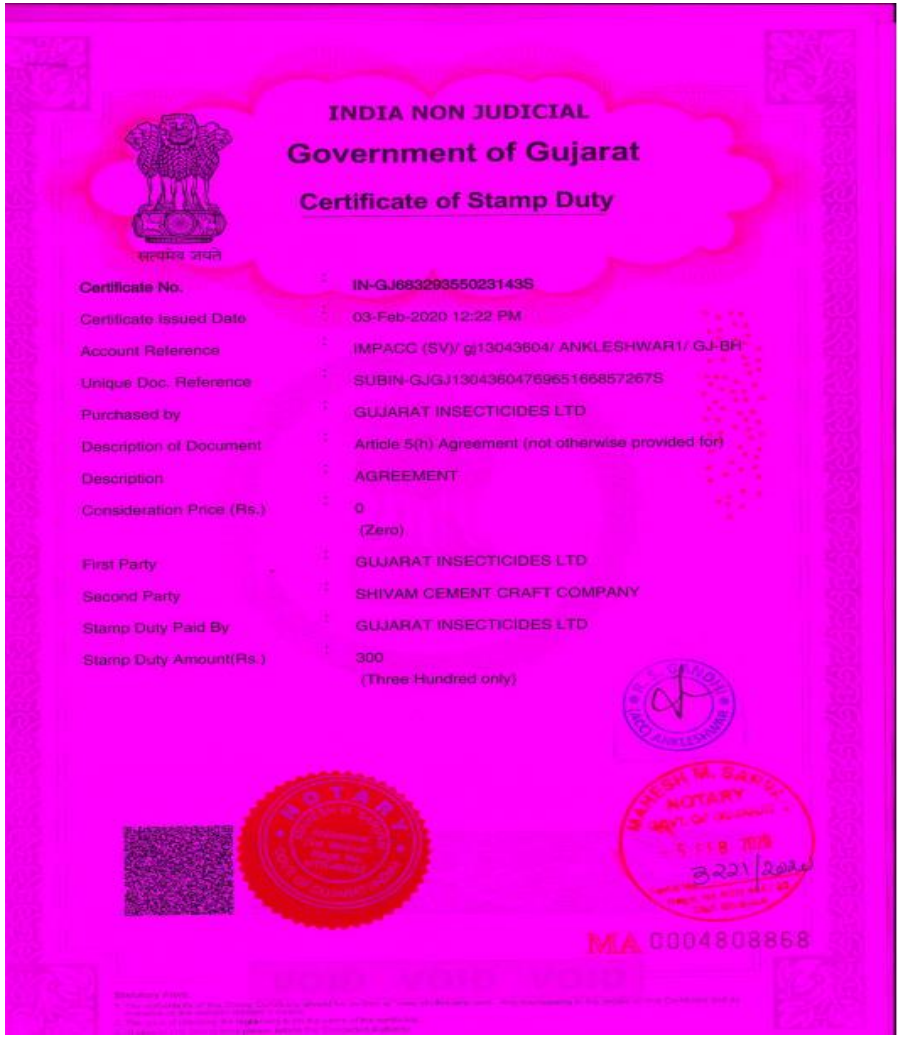
Booked At	Booked On	Destination Pincode	Tariff	Article Type	Delivery Location	Delivery Confirmed On
Ankleshwar IE SO	14/12/2020 11:50:06	462016	106.20	Speed Post Parcel Domestic	R.S.Nagar S.O	21/12/2020 17:32:06

Event Details For : EG570607167IN
Current Status : Item Delivery Confirmed

Date	Time	Office	Event
21/12/2020	17:32:06	R.S.Nagar S.O	Item Delivery Confirmed
21/12/2020	12:55:29	R.S.Nagar S.O	Out for Delivery
19/12/2020	17:16:16	R.S.Nagar S.O	Item Onhold Local Holiday
19/12/2020	12:14:29	R.S.Nagar S.O	Out for Delivery
19/12/2020	10:39:06	R.S.Nagar S.O	Item Received
19/12/2020	08:00:50	Bhopal NSH	Item Dispatched
19/12/2020	07:49:18	Bhopal NSH	Item Bagged
19/12/2020	01:51:36	Bhopal NSH	Item Received
15/12/2020	05:23:01	Vadodara NSH	Item Dispatched
15/12/2020	03:09:00	Vadodara NSH	Item Bagged
15/12/2020	18:16:31	Vadodara NSH	Item Received
14/12/2020	15:56:49	Ankleshwar IE SO	Item Dispatched
14/12/2020	15:32:06	Ankleshwar IE SO	Item Bagged
14/12/2020	11:50:06	Ankleshwar IE SO	Item Booked

https://www.indiapost.gov.in/_layouts/15/dop.portal.tracking/trackconsignment.aspx 1/2

Annexure 19
MOU with Shivam Cement Craft Company (Ash Brick Manufacturer) for Fly Ash



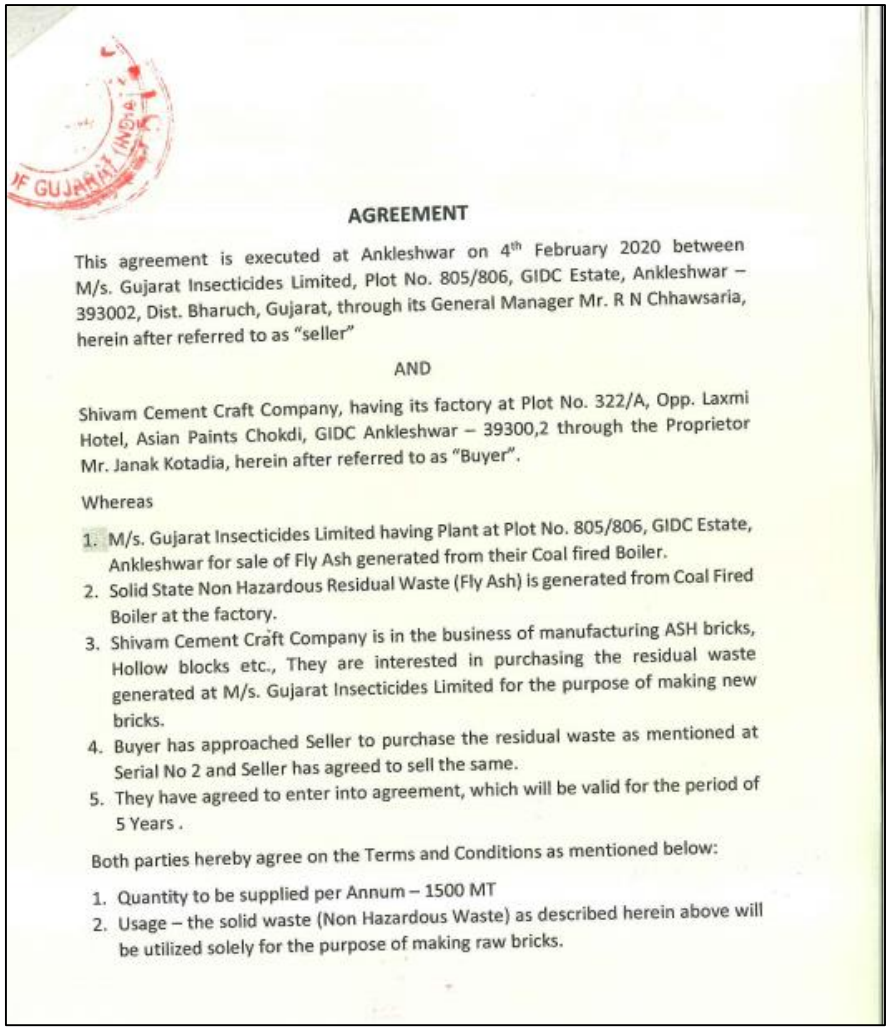
INDIA NON JUDICIAL

Government of Gujarat

Certificate of Stamp Duty

Certificate No.	IN-GJ68329355023143S
Certificate Issued Date	03-Feb-2020 12:22 PM
Account Reference	IMPACC (SV)/ gj13043604/ ANKLESHWAR1/ GJ-BH
Unique Doc. Reference	SUBIN-GJGJ13043604769651668572675
Purchased by	GUJARAT INSECTICIDES LTD
Description of Document	Article 5(h) Agreement (not otherwise provided for)
Description	AGREEMENT
Consideration Price (Rs.)	0 (Zero)
First Party	GUJARAT INSECTICIDES LTD
Second Party	SHIVAM CEMENT CRAFT COMPANY
Stamp Duty Paid By	GUJARAT INSECTICIDES LTD
Stamp Duty Amount(Rs.)	300 (Three Hundred only)

MA 0004808868



AGREEMENT

This agreement is executed at Ankleshwar on 4th February 2020 between M/s. Gujarat Insecticides Limited, Plot No. 805/806, GIDC Estate, Ankleshwar – 393002, Dist. Bharuch, Gujarat, through its General Manager Mr. R N Chhawsaria, herein after referred to as "seller"

AND

Shivam Cement Craft Company, having its factory at Plot No. 322/A, Opp. Laxmi Hotel, Asian Paints Chokdi, GIDC Ankleshwar – 39300,2 through the Proprietor Mr. Janak Kotadia, herein after referred to as "Buyer".

Whereas

1. M/s. Gujarat Insecticides Limited having Plant at Plot No. 805/806, GIDC Estate, Ankleshwar for sale of Fly Ash generated from their Coal fired Boiler.
2. Solid State Non Hazardous Residual Waste (Fly Ash) is generated from Coal Fired Boiler at the factory.
3. Shivam Cement Craft Company is in the business of manufacturing ASH bricks, Hollow blocks etc., They are interested in purchasing the residual waste generated at M/s. Gujarat Insecticides Limited for the purpose of making new bricks.
4. Buyer has approached Seller to purchase the residual waste as mentioned at Serial No 2 and Seller has agreed to sell the same.
5. They have agreed to enter into agreement, which will be valid for the period of 5 Years .

Both parties hereby agree on the Terms and Conditions as mentioned below:

1. Quantity to be supplied per Annum – 1500 MT
2. Usage – the solid waste (Non Hazardous Waste) as described herein above will be utilized solely for the purpose of making raw bricks.

As a token of agreement, both parties have put their Signatures & Seal hereunder.

Place: Ankleshwar,

Date: 04/02/2020.

On behalf of

Party No.1	Party No.2
M/s. Gujarat Insecticides Limited	Shivam Cement Craft Company
	for SHIVAM CEMENT CRAFT CO
R N Chhawsaria	Mr. Janak Kotadia
(Factory Manager)	Proprietor

Photograph – 1

Tank farm area as per PESO (Petroleum & Explosive Safety Organization)

Photograph – 2

Static Double Earthing System

Photograph – 3

Flame proof (ON/OFF) switch & Breather valve

Flame proof switch

Breather valve

Photograph- 04

Greenbelt View

Greenbelt View

Photograph – 5

Hazardous Waste Godown

Photograph – 6

Sign board

Photograph – 7

Rainwater Harvesting

Roof water collection system

Injection system to Dry borewell