



**SIX MONTHLY EC
CONSOLIDATED COMPLIANCE REPORT**
F. NO: IA-J-11011/3/2017-IA-II(I)
(Jun - 2022 to Nov- 2022)
For



M/s. GUJARAT INSECTICIDES LIMITED
(Manufacturers 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
Integrated Regional Office
A-407 & A-409 "ARANYA BHAWAN",
Near CH-3 Circle, Sector 10 A, Gandhinagar-382010- Gujarat



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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: 01.06 .2022 to 30.11. 2022

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:29 th 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. Jayantilal Suvagiya (Factory Manager) Ph : 02646-250305, Mobile – 9979856878
	b]. Address of Executive Project Engineer / Manager (with Pin code / Fax Number)	:	Mr. Jayantilal Suvagiya (Factory Manager) Ph : 02646-250305, Mobile – 9979856878
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 .



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	b]. Of the Environmental Management Plans	:	Company having adequate environment protection facilities and experienced staff to control and prevent environment. Please refer Part-B
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A. Salient Features of project:

Components	:	Proposed Scenario
EC No.	:	IA-J-11011/3/2017-IA-II(I) Date:29 th 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



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B Environment Management Plan:

Sr. No.	Activity	Status																												
A	Formation of EHS cell Constitutes EHS in charge, ETP supervisors and operators, Lab chemist and assistants	EHS staff is recruited by company for EHS cell. Site Head, Factory Manager GM QA and R & D, Sr. Manager, HSE Environment Engineer, Officers, Lab Chemist, Technician, Plant Helper																												
B	For Air Environment Management <ul style="list-style-type: none">To monitor the ambient air quality parameters and flue gas emissions within premises and also in the nearby area regularly and to compare with the regulating standards so that any necessary corrective actions can be taken.Work place monitoring to be carried out periodically to check fugitive emissions, if any.To develop and maintain greenbelt, in and around the factory, for reducing the effect of air pollutants due to their deposition.To follow proper loading and unloading practices to minimize dusting.To maintain proper record for the fuel consumption, start-up time and duration of boiler operation towards energy conservation	<ul style="list-style-type: none">Monitoring is done through NABL and MoEF&CC approved Laboratory (M/s. Kadam Enviro) appointed by Company. All the AAQM parameters are monitored on quarterly basis & 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 - 4Closed 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 Consumption (Liter)</th><th>Coal (MT)</th></tr><tr><td>June-22</td><td>21687</td><td>17652</td><td>1010.83</td></tr><tr><td>July-22</td><td>18980.1</td><td>11183</td><td>980.14</td></tr><tr><td>Aug-22</td><td>41356</td><td>11761</td><td>466.95</td></tr><tr><td>Sept-22</td><td>24874</td><td>10722</td><td>395.26</td></tr><tr><td>Oct-22</td><td>12496</td><td>2381</td><td>337.73</td></tr><tr><td>Nov-22</td><td>6648</td><td>5031</td><td>593.47</td></tr></table>	Month	Natural Gas Consumption (Nm ³)	HSD Consumption (Liter)	Coal (MT)	June-22	21687	17652	1010.83	July-22	18980.1	11183	980.14	Aug-22	41356	11761	466.95	Sept-22	24874	10722	395.26	Oct-22	12496	2381	337.73	Nov-22	6648	5031	593.47
Month	Natural Gas Consumption (Nm ³)	HSD Consumption (Liter)	Coal (MT)																											
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Nov-22	6648	5031	593.47																											
C	For Water Environment Management																													



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	<ul style="list-style-type: none"> To investigate possibilities of water reuse and recycling for reducing water consumption and wastewater generation Records of water consumption, effluent generation, effluent discharge, water characteristics, treated and untreated effluent characteristics to be maintained. To monitor the adequacy and efficiency of ETP so that the effluent is given suitable treatment and the treated effluent meets specified norms of available 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. 	<ul style="list-style-type: none"> Reuse and recycling options implemented and continued. e.g., MEE condensate is reused in process and STP water is reused in Gardening & Ro Permit is used in Cooling Tower. Water consumption & Effluent discharge data are given as below: <table border="1"> <thead> <tr> <th>Month</th><th>Water Consumption (KL)</th><th>Effluent Generation (KL)</th></tr> </thead> <tbody> <tr> <td>June-22</td><td>19746</td><td>8703</td></tr> <tr> <td>July-22</td><td>18622</td><td>13938</td></tr> <tr> <td>Aug-22</td><td>10264</td><td>8962</td></tr> <tr> <td>Sept-22</td><td>6967</td><td>5661</td></tr> <tr> <td>Oct-22</td><td>6579</td><td>3186</td></tr> <tr> <td>Nov-22</td><td>9960</td><td>4361</td></tr> </tbody> </table> Records of the quarterly analyzed treated effluent characteristics are maintained. Analysis report of treated effluent carried out through NABL, MoEF&CC approved Laboratory (M/s. Kadam Enviro) on date 30.06.2022 and 26.09.2022 is attached as Annexure 19. Online CEMS for effluent discharge is installed and is connected to GPCB / CPCB server. ETP is operating efficiently and adequacy 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. 	Month	Water Consumption (KL)	Effluent Generation (KL)	June-22	19746	8703	July-22	18622	13938	Aug-22	10264	8962	Sept-22	6967	5661	Oct-22	6579	3186	Nov-22	9960	4361
Month	Water Consumption (KL)	Effluent Generation (KL)																					
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Sept-22	6967	5661																					
Oct-22	6579	3186																					
Nov-22	9960	4361																					
D	<p>For Hazardous / Non-hazardous waste management</p> <ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Proper storage and handling is done as per compliance conditions of Authorization granted by SPCB. Proper Sign Boards are provided in whole premises - Photograph No.- 5 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 																					



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	<ul style="list-style-type: none"> The transportation of hazardous waste to the TSDF Site to be as per the guidelines and accompanied with Form-9. Monthly records of generation, storage and disposal of hazardous waste should be maintained in a record register as per the format of Form-3 as per amended Hazardous Waste Rules – 2003 & annual returns of disposal to be submitted to SPCB in prescribed Form – 4 and Form – 13. 	<ul style="list-style-type: none"> 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
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7	Break Up of the Project Area	:	Project is located in Non-Forest area.
	a]. Submergence area : forest & Non-forest		Unit is located in G.I.D.C Ankleshwar.
	b]. Others		Plot No. 805-806, G.I.D.C Ankleshwar.
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.73.85 Crores till Nov'22
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	:	---



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	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).	:	September 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 12.07.22 & 07.09.2022
	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 .



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Sr. No.	EC Conditions	Compliance Status																																
3.	The details of products are as under:-	<p>Unit has applied for the CC&A amendment having application no. 194808 dated 09.06.2021. It has been granted by GPCB on date 22.11.2021 having CC&A amendment no. AWH – 115888 valid up to 13.03.2022.</p> <p>Renewal application of the same has been made and Provisional CCA granted by GPCB on date 22.07.22 having Consent No: AWH-120305 & Valid up to 13/03/2027.</p> <p>Copy of CC&A amendment & Provisional CCA is attached as Annexure No. 17</p> <p>Following is the Product list.</p> <table><tr><th rowspan="2">S r . N o .</th><th rowspan="2">Product s</th><th rowspan="2">CAS No.</th><th colspan="5">Production Capacity (MT/Year)</th><th rowspan="2">Remark s</th></tr><tr><th>CCA Amend . Order No. AWH – 108370</th><th>EC dated 29th Aug. 2018</th><th>CTE No. 90532</th><th>Pro posed</th><th>To tal</th></tr><tr><td colspan="9">Group 1</td></tr><tr><td>1</td><td>Fenvalerate</td><td>51630-58-1</td><td>100</td><td>2400</td><td>2400</td><td>--</td><td>100</td><td>Either or combination of</td></tr></table>	S r . N o .	Product s	CAS No.	Production Capacity (MT/Year)					Remark s	CCA Amend . Order No. AWH – 108370	EC dated 29 th Aug. 2018	CTE No. 90532	Pro posed	To tal	Group 1									1	Fenvalerate	51630-58-1	100	2400	2400	--	100	Either or combination of
S r . N o .	Product s	CAS No.				Production Capacity (MT/Year)						Remark s																						
			CCA Amend . Order No. AWH – 108370	EC dated 29 th Aug. 2018	CTE No. 90532	Pro posed	To tal																											
Group 1																																		
1	Fenvalerate	51630-58-1	100	2400	2400	--	100	Either or combination of																										



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Sr. No.	EC Conditions						Compliance Status							
	Sr. No	Product	Existing		Proposed		Lambdacyhalothrin	91465-08-6						the Products
			TPM	TPA	TPM	TPA								
	1.	Fenvalerate/Lambda Cyhalothrin/Bifenthrin/Deltamethrin/Thiamethoxam/Buprofezin	8.33	100	191.67	2300	Bifenthrin	82657-04-3						No change
							Deltamethrin	52918-63-5						
							Thiamethoxam	153719-23-4						
	2.	Quinalphos/Triazophos/Chlorpyrifos/Temephos/Methyl Chlorpyrifos/Profenophos	100	1200	100	1200	Buprofezin	69327-76-0						
							Permethrin	52645-53-1	--	--				
							Group 2							
	3.	Meta Phenoxy Benzaldehyde (MPB) / Dichloro Phenol (DCP)	200	2400	300	3600	2 Quinalphos	13493-03-8	2400	2400	2400	--	2400	<ul style="list-style-type: none"> • Either or combination of the Products • * Discontinued manufacturing Triazophos
							Triazophos *	24017-47-8						
	4.	Indoxacarb/Tricyclazole/Hexaconazole/Propiconazole/Metalaxyl	10.83	130	189.17	2270	Chlorpyrifos	2921-88-2						
	5.	Dicamba	--	--	416.66	5000	Temephos	3383-96-8						



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Sr. No.	EC Conditions						Compliance Status									
	6.	Diafenthiuron	--	--	100	1200		Methyl Chlorpyr iphos	559 8-13-0							
	7.	Carbendazim	--	--	100	1200		Profenop hos	411 98-08-7							
	8.	Crude Pigment Violet-23 / Poly Ether Ketone (PEK) / Poly (2,5 Benzamidazol e) (ABPBI) / Poly Ether Ketone Ketone (PEKK) / Polybenzoxazo le (ABPBO) / Poly Ether Imide (PEI)	25e	300	58.3 3	700		Group 3								
		9.	N-Aceto acetylAminobe nzimidazolone (NAA)	4.16	50	--	--	3	Meta Phenoxy Benzald ehyde (MPB) *	395 15-51-0	3600	6000	6000	240 0	60 00 *	•Either or combina tion of the Products •* As per obtained in said EC and CTE and applied in this CC&A Amend ment, Total producti on of mention ed products shall not exceed 6000 MT/Year (MPB & DCP) •# As per obtained in CC&A Amend ment (Change
			Dichloro Phenol (DCP) *	583 -78-8		--	--	--								
			Meta Phenoxy Benzald ehyde Acetal#	623 73-79-9		--	--	--								
	Meta Phenoxy Benzald ehyde Alcohol#	138 26-35-2		--	--	--										
	Total			4180		17470										



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Sr. No.	EC Conditions	Compliance Status									
										in Product mix), total production of mentioned products shall not exceed 3600 MT/Year (MPB Acetal & MPB Alcohol)	
		Group 4									
		4	Indoxacarb*	173584-44-6	600	2400	2400	1800	2400*	•Either or combination of the Products •* As per obtained in said EC and CTE and applied in this CC&A Amendm ent, Total production of mentioned products shall not exceed 2400 MT/Year	
		Tricyclazole *	41814-78-2								
		Hexaconazole*	79983-71-4								
		Propiconazole *	60207-90-1								
		Metalaxy l *	57837-19-1								
		Meta Phenoxy Benzald	62373-79-9								
			--	--	--						



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Sr. No.	EC Conditions	Compliance Status								
			ehyde Acetal#							(Indoxacarb, Tricyclazole, Hexaconazole, Propicanazole & Metalaxy I).
		Meta Phenoxy Benzald ehyde Alcohol#	138 26-35-2	--		--	--	•# As per obtained in CC&A Amendment (Change in Product mix), total production of mentioned products shall not exceed 600 MT/Year (MPB Acetal & MPB Alcohol)		
		Group 5								
		5	Diafenth iuron	800 60-09-9	600	1200	1200	--	600	•No change Total production shall not exceed
		Meta Phenoxy Benzald	623 73-79-9	--		--				



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Sr. No.	EC Conditions	Compliance Status										
			ehyde Acetal						600	600	1200 MT/Y •600 MT/Y •Diafenth iuron, MPB Acetal, MPB Alcohol & 600 MT/yea r Amino Pyrazole.	
			Meta Phenoxy Benzald ehyde Alcohol	138 26-35-2		--	--					
			Amino Pyrazole	120 068-79-3		--	--					
			Group 6									
		6	Carbend azim *	106 05-21-7	300	1200	1200	900	1200 *	Either or combinat ion of the Products * As per obtained in said EC and CTE and applied in this CC&A Amend ment, Total producti on of mention ed product shall not exceed 1200 MT/Year (Carben dazim).		
		Meta Phenoxy Benzald ehyde Acetal#	623 73-79-9	--		--	--					
		Meta Phenoxy Benzald ehyde Alcohol#	138 26-35-2	--		--	--					



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Sr. No.	EC Conditions	Compliance Status									
										# As per obtained in CC&A Amendment (Change in Product mix), total production of mentioned products shall not exceed 300 MT/Year (MPB Acetal & MPB Alcohol)	
		Group 7									
		7	Crude Pigment Violet – 23	215 247 -95-3	300	1000	1000	300	600	• Either or combination of the Products • Total 600 MT/Year Applied in this CC&A Amendment	
			Poly Ether Ketone (PEK)	273 80-27-4							
			Poly Ether Ketone (PEKK)	747 90-25-5							
	Poly (2, 5 Benzimidazole) (ABPBI)	897 18-41-2									



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Sr. No.	EC Conditions	Compliance Status								
			Polybenzoxazole (ABPBO)	89718-41-2						
			Poly Ether Imide (PEI)	61128-46-9						
		Group 8								
		8	N – Acetoacetyl Aminobenzimidazole (NAA)	26576-46-5	50	50	50	--	50	Either or combination of the Products No change
			Meta Phenoxy Benzaldehyde Acetal	62373-79-9		--	--			
			Meta Phenoxy Benzaldehyde Alcohol	13826-35-2		--	--			
			Meta Bromo Benzaldehyde	3132-99-8		--	--			
		Group 9								
		9	Dicamba	1918-00-9	--	5000	5000	3000	3000	Applied in this CC&A Amendment
		Group 10								
		10	Bromine Recovery	7726-95-6	700	--	6290	5590	6290	Applied in this CC&A



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Sr. No.	EC Conditions	Compliance Status								
									Amend ment	
		Total		9250 MT/Ye ar	2165 0 MT/Y ear	279 40 MT/ Year	139 90 MT /Ye ar	23 24 0 M T/ Ye ar	Applied in this CC&A Amend ment	
		1 1	Formulat ion of Technica l Product	--	5000 KL	--	5000 KL	--	50 00 KL	No change
		1 2	Captive Power Plant – Gas Based#	--	0.945 MW	--	--	--	# Surren dering of existin g Captive power plant (Gas based – 0.945 MW) as mentio ned in CTE – 90532 dated 08.06.2 018	
		1 3	Captive Power Plant – DG Set (1500 KVA)- Stand by	--	1500 KVA X 1	1500 KVA X 2	1500 KVA X 2	150 0 KVA X 1	15 00 KV A X 2	Applied in this CC&A Amendm ent
		1 4	Captive Power Plant –	--	--	3 MW	3 MW	--	--	--



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Sr. No.	EC Conditions	Compliance Status									
			Coal Based								
		15	DG Set (1250 KVA) – Stand By *	--	--	1250 KVA	--	1250 KVA	1250 KV A	* Regulation of D.G. Sets of capacity 1250 KVA (Stand-by) & 700 KVA (Stand-by) as mentioned in Environment Clearance (EC) No. IA-J-11011/3/2017-IA-II(I) dated 29/08/2018.	
		16	DG Set (700 KVA) – Stand By *	--	--	700 KVA	--	700 KVA	700 KV A		
Following are the details of production data for the period of June'22 to Nov'22.											
		Sr. No.	Name of Product							Production (MT)	
		1	Fenvalerate or							0	
			Lambda Cyhalothrin or							0	
			Bifenthrin or							0	
			Deltamethrin or							0	



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Sr. No.	EC Conditions	Compliance Status			
				Thiamethoxam or	0
				Buprofezin or	0
				Permethrin	0
			2	Quinalphos or	231.975
				Triazophos or	0
				Chlorpyrifos or	0
				Temephos or	0
				Methyl Chlorpyrifos or	0
				Profenophos	173.500
			3	Meta Phenoxy Benzaldehyde (MPB) or	336.865
				Dichloro Phenol (DCP) or	0
				Meta Phenoxy Benzaldehyde Acetal or	52.800
				Meta Phenoxy Benzaldehyde Alcohol	0
			4	Indoxacarb or	0
				Tricyclazole or	0
				Haxaconazole or	2.508
				Propicanazole or	0
				Metalaxyl or	0
				Meta Phenoxy Benzaldehyde Acetal or	17.600
				Meta Phenoxy Benzaldehyde Alcohol	27.005
			5	Diafenthiuron or	0
				Meta Phenoxy Benzaldehyde Acetal or	0
				Meta Phenoxy Benzaldehyde Alcohol	0
				Amino Pyrazole	0.555



Six Monthly EC Compliance Report

Sr. No.	EC Conditions	Compliance Status			
			6	Carbendazim or Meta Phenoxy Benzaldehyde Acetal or Meta Phenoxy Benzaldehyde Alcohol	0 0 0
			7	Crude Pigment Violet-23 or PEK or PEKK or ABPBI or ABPBO or Poly Ether Imide (PEI)	76.747 0 0 0 0 0
			8	N-Acetoacetyl Aminobenzimidazadone (NAA) or Meta Phenoxy Benzaldehyde Acetal or Meta Phenoxy Benzaldehyde Alcohol or Meta Bromo Benzaldehyde	0 0 0 0
			9	Dicamba	0
4.	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.	GIL undertakes to develop greenbelt in 25054.38 m² from total plot area of 73,084 m² in the factory premises (34%). Photograph of Existing greenbelt is attached as Photograph 4. COMPLIED			



Six Monthly EC Compliance Report

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.	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	<p>Unit has applied for the CC&A amendment having application no. 194808 dated 09.06.2021. It has been granted by GPCB on date 22.11.2021 having CC&A amendment no. AWH – 115888 valid up to 13.03.2022. Renewal application of the same has been made and uploaded on portal on 22.02.2022. and Provisional CCA granted by GPCB on date 22.07.22 having Consent No: AWH-120305 & Valid up to 13/03/2027.</p> <p>As per the CTO Obtained, following are the details of the water consumption and wastewater generation.</p> <p>Water Consumption: 2570 KLD</p> <ul style="list-style-type: none"> - (Domestic 110 KLD + Gardening 50 KLD + Industrial 2410 KLD) <p>Wastewater Generation: 1427 KLD</p> <ul style="list-style-type: none"> - (Domestic 95 KLD + Industrial 1332 KLD) <p>Mode of disposal of effluent:</p> <ol style="list-style-type: none"> a. Existing Industrial wastewater from process (95 KLD), Boiler (216 KLD), Washing (411 KLD) and cooling (28 KLD out of 80 KLD) – Total 750 KLD is treated in ETP within premises and treated wastewater (750 KLD) is being discharged to NCT Pipeline. b. Existing Remaining Industrial wastewater from process (102 KLD) along with additional 303 KLD – Total 405 KLD will be treated in ETP followed by MEE & RO. c. Effluent from Cooling tower blow down (105 KLD) & Boiler (72 KLD) will be treated in RO.



Six Monthly EC Compliance Report

Sr. No.	EC Conditions	Compliance Status																					
		<p>d. Treated wastewater from ETP (405 KLD) along with RO Reject (52 KLD) – Total 457 KLD will be treated in in-house MEE. MEE condensate (388 KLD) will be treated in RO. RO permeate (513 KLD) will be reused in cooling tower.</p> <p>e. Domestic wastewater (95 KLD) will be treated in STP (Cap. 110 KLD) & treated water will be utilized for green belt maintenance.</p> <p>2). Existing Power requirement is 2300 KVA. Additionally, we have provided 1500 KVA D G Set for standby power.</p> <p>b. Currently 10 TPH boiler is in operation. Design & detailing for installation of 25 TPH is being done.</p> <p>3). Unit has provided One 2 Lakh kcal/h capacity fuel heater for the proposed partial expansion.</p> <p>4.Boiler stack of 30mtrs is provided with OCEMS and is under operations.</p> <ul style="list-style-type: none">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>June-22</td><td>19746</td><td>8703</td></tr><tr><td>July-22</td><td>18622</td><td>13938</td></tr><tr><td>Aug-22</td><td>10264</td><td>8962</td></tr><tr><td>Sept-22</td><td>6967</td><td>5661</td></tr><tr><td>Oct-22</td><td>6579</td><td>3186</td></tr><tr><td>Nov-22</td><td>9960</td><td>4361</td></tr></table>	Month	Water Consumption (KL)	Effluent Generation (KL)	June-22	19746	8703	July-22	18622	13938	Aug-22	10264	8962	Sept-22	6967	5661	Oct-22	6579	3186	Nov-22	9960	4361
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7.	<p>The solid/ hazardous waste generation and its management are as under:</p> <table><tr><th>Sr. No</th><th>Type</th><th>Sc h.</th><th>Categor y (As Per</th><th>Total generation after</th><th>Source of generatio n</th><th>Mode disposal</th><th>of</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Sr. No	Type	Sc h.	Categor y (As Per	Total generation after	Source of generatio n	Mode disposal	of									<p>Hazardous waste statement in Form - 4 is submitted regularly. Copy is attached as Annexure 1.</p> <p>Six monthly dispatch records for the period of June'2022 to November'2022 mentioned in Annexure 15.</p>					
Sr. No	Type	Sc h.	Categor y (As Per	Total generation after	Source of generatio n	Mode disposal	of																



Six Monthly EC Compliance Report

Sr. No.	EC Conditions							Compliance Status
				Schedule) Rules, 2016	expansion (MTPA)			
1.	Spent Solvent	I	20.2	36	From Process	Sent to CHWIF for Incineration		
2.	Distillation Residues	I	20.3	6348		Sent to CHWIF for incineration OR Selling to M/s. Ultra tech Cement Ltd. and M/s. Ambuja Cement Ltd. for Co-processing		
3.	Process Waste Sludge/ Residue containing acid, Toxic metals, organic compounds	I	26.1	816				
4.	Process wastes or residues	I	29.1	720	From detoxification of effluent	Sent to CHWIF for Incineration		
5.	Sludge containing residual pesticides	I	29.2	9000	From ETP	Sent to common TSDF site		
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		



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Sr. No.	EC Conditions							Compliance Status
	9.	Oil and Grease skimming	I	35.4	48	From ETP	Disposal to common TSD 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 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	II	B10	3300	By-product	KCl Powder- Disposal by sell out to authorized	



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Sr. No.	EC Conditions							Compliance Status
		which produce acidic vapours on contact with humid air or water e.g. silicon tetrachloride, aluminium chloride, titanium tetrachloride				from process	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. silicon tetrachloride, aluminium chloride, titanium tetrachloride	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 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	



Six Monthly EC Compliance Report

Sr. No.	EC Conditions							Compliance Status
							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 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 10 th July, 2017 exempting public hearing as per Para 7(i) III. Stage (3) (i) (b) of the EIA Notification, 2006.							Noted



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Sr. No.	EC Conditions	Compliance Status
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
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
<u>TERMS AND CONDITIONS</u>		
(i)	Total production of pesticides shall include manufacturing at least 25% of bio-pesticides.	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Consent to Establish for the project is obtained from the State Pollution Control Board on date 26th August 2019 as required under the Air



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Sr. No.	EC Conditions	Compliance Status
	Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	(Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974. CTO amendment no. AWH: 115888 is valid up to 13.03.2022. Application for the Renewal of the CC&A has been made on 22.02.2022. Provisional CCA granted by GPCB on dated 22.07.22 with Consent No. AWH-120305 which valid up to 13/03/2027. Copy of CTO & Provisional CCA 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.	<ul style="list-style-type: none"> • 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.	<p>Arrangements for storage, handling and disposal of hazardous wastes made in compliance to the conditions of Hazardous Waste Authorization as granted by GPCB.</p> <p>The company has taken membership of the common TSDF site of M/s. BEIL Infrastructure Ltd. and regularly sending the hazardous waste for disposal through XGN, system generated Manifest system.</p>
(v)	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21 st July, 2010 and amended from time to time shall be followed.	Complied.
(vi)	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.	<p>We have provided online monitoring system to control the fugitive emissions like Cl₂, Br₂ and Hydrocarbons.</p> <p>Unit has stacks of adequate height for the gaseous emissions as per CPCB/SPCB guidelines.</p> <p>Details of process stacks and flue gas stack are attached as Annexure 12.</p>



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Sr. No.	EC Conditions	Compliance Status																																																		
		<p>Analysis of stack monitoring carried out through NABL and MoEF&CC approved Laboratory (M/s. Kadam Enviro) on date 30.06.2022 & 26.09.2022. Report of the same is attached as Annexure 20.</p> <p>Results of the monitoring on 30.06.2022 is as below.</p> <p>Results of Process stack:</p> <table><tr><th>Parameter</th><th>Unit</th><th>36251 (Gas Exits) Plant E</th><th>Process Emission Vessel (Plant H)</th><th>PFT plant</th></tr><tr><td>SO₂</td><td>mg/nm3</td><td>-</td><td>15.09</td><td>-</td></tr><tr><td>Cl₂</td><td>mg/nm3</td><td>-</td><td>0.022</td><td>-</td></tr><tr><td>HBr</td><td>mg/nm3</td><td>ND</td><td>-</td><td>ND</td></tr><tr><td>Bromine</td><td>mg/nm3</td><td>-</td><td>-</td><td>ND</td></tr><tr><td>HCl</td><td>mg/nm3</td><td>-</td><td>2.10</td><td>-</td></tr></table> <p>Results of Flue gas stack:(26.09.22)</p> <table><tr><th>Parameter</th><th>Unit</th><th>Boiler – 36250</th><th>TFH – 9153</th><th>TFH – 60826</th></tr><tr><td>PM</td><td>mg/nm3</td><td>83</td><td>15</td><td>18</td></tr><tr><td>SO₂</td><td>ppm</td><td>74.62</td><td>N.D</td><td>N.D</td></tr><tr><td>NOx</td><td>ppm</td><td>22.10</td><td>2.88</td><td>3.09</td></tr></table>	Parameter	Unit	36251 (Gas Exits) Plant E	Process Emission Vessel (Plant H)	PFT plant	SO ₂	mg/nm3	-	15.09	-	Cl ₂	mg/nm3	-	0.022	-	HBr	mg/nm3	ND	-	ND	Bromine	mg/nm3	-	-	ND	HCl	mg/nm3	-	2.10	-	Parameter	Unit	Boiler – 36250	TFH – 9153	TFH – 60826	PM	mg/nm3	83	15	18	SO ₂	ppm	74.62	N.D	N.D	NOx	ppm	22.10	2.88	3.09
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(vii)	<p>Solvent management shall be carried out as follows:</p> <p>(a) Reactor shall be connected to chilled brine condenser system.</p> <p>(b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.</p> <p>(c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.</p> <p>(d) Solvents shall be stored in a separate space specified with all safety measures.</p> <p>(e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.</p> <p>(f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.</p>	<p>Solvent management carried out as follow:</p> <p>a) Reactor is connected with chilled brine condenser system for the efficient solvent recovery.</p> <p>b) Mechanical seal is provided to prevent leakage for all solvent handling pumps and reactors</p>																																																		




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Sr. No.	EC Conditions	Compliance Status									
	(g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	<div data-bbox="1240 264 1856 611" data-label="Image"> </div> <p>c) Solvents have more than 95% recovery. Please refer Annexure No – 10</p> <p>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</p> <p>e) Double earthing (at 180 degree) is provided for all electrical equipment wherever solvent handling is done photograph attached as per Photograph – 2.</p> <p>f) Entire plant is flame proof. The solvents storage tanks are provided with breather valve to prevent solvent losses. As per Photograph – 3</p> <p>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.</p>									
(viii)	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.	<p>Total fresh water requirement shall not exceed 2152 cum/day.</p> <table border="1" data-bbox="1285 1174 1888 1361"> <thead> <tr> <th>Month</th><th>Water Consumption (KL/M)</th><th>Water Consumption (KLD)</th></tr> </thead> <tbody> <tr> <td>June – 22</td><td>19746</td><td>658.200</td></tr> <tr> <td>July – 22</td><td>18622</td><td>600.709</td></tr> </tbody> </table>	Month	Water Consumption (KL/M)	Water Consumption (KLD)	June – 22	19746	658.200	July – 22	18622	600.709
Month	Water Consumption (KL/M)	Water Consumption (KLD)									
June – 22	19746	658.200									
July – 22	18622	600.709									



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Sr. No.	EC Conditions	Compliance Status			
		Aug – 22	10264	331.096	
		Sept – 22	6967	232.233	
		Oct – 22	6579	212.225	
		Nov – 22	9960	332.000	
		Complied			
(ix)	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.	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.			
(x)	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	To avoid the contamination of storm water with process effluent, separate storm water drain is provided. As per Photograph no 4 Complied			
(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, M/s. Shree Cement) 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 16 . Complied			
(xiii)	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC)	MSIHC Rule & Motor vehicle act followed strictly.			




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Sr. No.	EC Conditions	Compliance Status
	Rules. 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	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 done for the same. Copy of agreement is attached as Annexure 18. 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. (f) Use of high pressure hoses for requirement clearing to reduce wastewater generation.	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 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 roadsides. 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 carried out. Annexure -4





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Sr. No.	EC Conditions	Compliance Status
(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 provided according to the CPCB guidelines. Stack monitoring of DG set carried out through NABL and MoEF & CC approved Laboratory. Acoustic enclosure provided for the 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
(xx)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	A registered medical practitioner carries out the Occupational Health Surveillance of the workers every six months and the records are maintained in prescribed form as per the Factories Act. Sample records areas per Annexure -5.





Six Monthly EC Compliance Report

Sr. No.	EC Conditions	Compliance Status																								
(xxi)	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.	<div>Details of various online meters are given as below;</div> <table><tr><th>Sr. No.</th><th>Parameters</th><th>No. of Sensor</th><th>Location</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> <div>Photograph of Detectors are given as below;</div> <div><div><p>Boiler Sox & NOx reading</p></div><div><p>Detector Reading for Cl2 and HCl</p></div></div>	Sr. No.	Parameters	No. of Sensor	Location	Remarks	1	HCl+Cl2	01	MPB process	Two stage scrubber is provided	2	HBr	01	MPB process	3.	TOC, TSS, COD, BOD, Temperature, Flow, pH	1	ETP plant	Transmitted to the CPCB servers	4.	SO2,PM, NOx	1	Boiler	ESP
Sr. No.	Parameters	No. of Sensor	Location	Remarks																						
1	HCl+Cl2	01	MPB process	Two stage scrubber is provided																						
2	HBr	01	MPB process																							
3.	TOC, TSS, COD, BOD, Temperature, Flow, pH	1	ETP plant	Transmitted to the CPCB servers																						
4.	SO2,PM, NOx	1	Boiler	ESP																						



Six Monthly EC Compliance Report

Sr. No.	EC Conditions	Compliance Status	
		 <p style="text-align: center;">TOC meter</p>	 <p style="text-align: center;">Detector Reading for HBr</p>
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 Limited 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: 30.06.2022 & 26.09.2022 (MoEF & CC approved Laboratory). Results of the monitoring carried out on 26.09.2022 is as below: <ol style="list-style-type: none"> 1) Near Boiler 2) Near Admin Block 	



Six Monthly EC Compliance Report

Sr. No.	EC Conditions	Compliance Status																												
		<div>3) At Canteen Terrace</div> <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>PM₁₀</td><td>100</td><td>57</td><td>42</td><td>47</td></tr><tr><td>PM_{2.5}</td><td>60</td><td>19</td><td>14</td><td>11</td></tr><tr><td>Sox</td><td>80</td><td>9.21</td><td>7.89</td><td>6.14</td></tr><tr><td>NOx</td><td>80</td><td>14.76</td><td>11.83</td><td>12.95</td></tr></table> <div>Analysis report of AAQM for both monitoring is attached as Annexure-6.</div> <div>COMPLIED</div>	Parameters	Specification/ SPCB Norms/BIS Standards	AAQM Locations			Near Boiler	Near Admin Block	At Canteen	PM ₁₀	100	57	42	47	PM _{2.5}	60	19	14	11	Sox	80	9.21	7.89	6.14	NOx	80	14.76	11.83	12.95
Parameters	Specification/ SPCB Norms/BIS Standards	AAQM Locations																												
		Near Boiler	Near Admin Block	At Canteen																										
PM ₁₀	100	57	42	47																										
PM _{2.5}	60	19	14	11																										
Sox	80	9.21	7.89	6.14																										
NOx	80	14.76	11.83	12.95																										
(iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	<div>COMPLIED</div> <div>Analysis report of AAQM is attached as Annexure-6.</div>																												
(v)	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).	<div>GIL has given work-order to Kadam Environmental Consultants to carry out Noise Level monitoring at 11 Locations dated: 30.06.2022 & 23.09.2022 (MoEF & CC approved laboratory). Results of Monitoring carried on 23.09.2022 is as below. All the readings are within norms.</div> <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><td></td><th>Result</th><th>Limit</th><th>Result</th><th>Limit</th></tr><tr><td>Plant A (GF)</td><td>49.3</td><td>75</td><td>47.5</td><td>70</td></tr><tr><td>Plant A (FF)</td><td>49.3</td><td>75</td><td>41.8</td><td>70</td></tr></table>	Locations	Results in dB(A)				Day (06:00 AM to 10:00 PM)		Night (10:00 PM to 06:00 AM)			Result	Limit	Result	Limit	Plant A (GF)	49.3	75	47.5	70	Plant A (FF)	49.3	75	41.8	70				
Locations	Results in dB(A)																													
	Day (06:00 AM to 10:00 PM)		Night (10:00 PM to 06:00 AM)																											
	Result	Limit	Result	Limit																										
Plant A (GF)	49.3	75	47.5	70																										
Plant A (FF)	49.3	75	41.8	70																										





Six Monthly EC Compliance Report

Sr. No.	EC Conditions	Compliance Status				
		Plant B (GF)	51.3	75	50.1	70
		Plant B (FF)	52.3	75	50.4	70
		Plant C (GF)	48.7	75	46.2	70
		Plant C (FF)	51.2	75	49.6	70
		Plant H	51.3	75	50.2	70
		Nr. Admin Office	48.7	75	48.2	70
		Near ETP	47.8	75	54.7	70
		Near Boiler	62.7	75	60.3	70
		<p>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)</p> <p>Analysis Report of Noise Level Monitoring is attached as Annexure-7</p> <p>COMPLIED</p>				
(vi)	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	<p>Rain water harvesting implemented in company's residential colony. Photograph of the rainwater harvesting system is attached as Photograph 6. A scheme for roof top rain water harvesting in the company premises has been prepared. It will be implemented subject to permission from GPCB.</p>				
(vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	<p>Training is imparted to all employees on safety, health aspects of chemicals handling its standard SOP is attached which is followed, and competent person of safety dept. will impart training. As per Annexure – 8</p> <p>We have Integrated Management System (ISO:9001, ISO: 14001 & ISO 45001)</p>				



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Sr. No.	EC Conditions	Compliance Status
		<div style="display: flex; justify-content: space-around;">   </div> <p>COMPLIED</p>
(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.	<p>For the advance treatment of effluent, we have commissioned MEE & RO. Condensate of the same used in process plant to reduce the fresh water consumption. .</p> <p>COMPLIED</p>
(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.	<p>Environment Management Cell has set up in compliance with the requirement of Charter. We have fully fledged laboratory for monitoring environment functions.</p> <p>Objective of cell as:</p> <ul style="list-style-type: none"> • Review of ETP performance • Status and implementation of action plan • Abnormal operations and corrective action



Six Monthly EC Compliance Report

Sr. No.	EC Conditions	Compliance Status
		<ul style="list-style-type: none"> • Discussion on various ideas to achieve cleaner production techniques for up-gradation of environment • Review of structured training program. <p>Note: The cell meets periodically to review the performance of environment up gradation issues and implementation plans.</p> <p>As per Annexure – 9 COMPLIED</p>
(xii)	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.	Noted
(xiii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Company is located in notified area. Hence, this condition is not applicable.
(xiv)	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 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.	<p>We are submitting six monthly EC report regularly.</p> <p>Our six monthly report for EC order no. IA-J-11011/3/2017-IA-II(I), Date:29thAugust 2018 is submitted on timely & Soft copy of the same has uploaded on Parivesh Portal.</p> <p>Complied.</p>
(xv)	The environmental statement for each financial year ending 31 st March in Form-v as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental	<p>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.</p> <p>Copy is attached as per Annexure - 2</p>



Six Monthly EC Compliance Report

Sr. No.	EC Conditions	Compliance Status
	clearance conditions and shall also be sent to the respective Regional Offices of MoEF & CC by e-mail.	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 Gujarati on 19-09-2018. [2] The Times of India in English on 19-09-2018. Scanned copy of paper pages are 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



Six Monthly EC Compliance Report

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

Date: 29.06.2022

To,
The Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector No.10-A,
Gandhinagar - 382 010.

Subject: Records of Hazardous Waste Management in Form-4 for the Financial Year
2021 - 2022.


Respected Sir,

With reference to the above-mentioned subject, we are hereby submitting the annual returns of
Hazardous waste management in Form No - 4 of the financial year 2021-22.

Hope this is in line with your requirements.

Thanking you,
Yours faithfully,

For M/s. Gujarat Insecticides Ltd.,


Authorized Signatory.

Phone : 02646 - 662200 / 259 / 260 / 223 / 221 / 222.
E-mail : info@gilgharda.com • WEB : www.gilgharda.com • CIN : U24299GJ1980PLC003929



Six Monthly EC Compliance Report

Annexure – 2 Environment statement (Form-V)

o/c

GUJARAT INSECTICIDES LIMITED

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



Date: 29.06.2022

To,
The Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector No.10-A,
Gandhinagar - 382 010.

30/06/2022
Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010


Subject: Environmental Statement (Form-V) for the year 2021-22.

Respected Sir,

This has reference to the above-mentioned subject; enclosed please find herewith Environmental Statement (Form-V) for the year 2021-22 of our unit. Please acknowledge.

Thanking you,

For,
M/s. Gujarat Insecticides Limited,



Authorized Signatory.


Phone : 02646 - 662200 / 259 / 260 / 223 / 221 / 222.
E-mail : info@gilgharda.com WEB : www.gilgharda.com CIN : U24299GJ1980PLC003929



Six Monthly EC Compliance Report

Annexure-3

Copy of CTE amendment & Provisional CCA

	Provisional Consent Order (CCA)	Gujarat Pollution Control Board Paryavaran Bhavan, Sector-10/ Gandhinagar - 382005 Tele : 2322271
Consent No. AWH-120305 Valid upto: 13/03/2027		
Application : CIO:CCA-Renewal, No. 212810 Dt. 12/04/2022, Granted On: 22/07/2022		PCB Id:1514
<p>Besides streamlining and simplifying of regulatory regime, Gujarat Pollution Control Board has taken initiative in from of introduction Consolidated Consent and Authorization (CC&A) which provides for a one shot application and clearance of the consents under Water Act, Air Act and Authorization under Hazardous Wastes Rules for a period of 5 years.</p> <p>Board issues consolidated consent and Authorization to an industrial unit for operation of plant/carrying out industrial activity specify following conditions.</p> <p>Consolidated Consent and Authorisation</p> <p>In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 3(c)& 5(5) of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules'2008 framed under the E(P)Act-1986.</p> <p>And whereas Board has received consolidated Application No.(CIO:CCA-Renewal) 212810 and Dated 12/04/2022 for the consolidated consent and authorization(CC&A) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.</p> <p>CONSENT AND AUTHORISATION : (under the provisions / rules of the aforesaid environmental acts)</p> <p>To, M/s. Gujarat Insecticides Limited. 805/806, City : Ankleshwar, Dist : Ankleshwar, Tal : Ankleshwar, SIDC : Ankleshwar Phone : 02646 222271</p>		
<p>1. Consent Order No: AWH-120305 Valid Upto: 13/03/2027</p> <p>2. All Conditions under the AIR ACT-1981 WATER ACT-1974 HAZARDOUS ACT-2008 shall be Applicable to you as mentioned in the detailed Consent Order ***</p> <p>Consented CTEP: F.E.T.P (BEIL) Consented TSDF: B.E.I.L., Ankleshwar [14983]</p> <p>3. GENERAL CONDITIONS :-</p> <p>a) This order is provisional order and detailed order is considered as final.</p> <p>b) All the conditions & provisions under the Water Act 1974, the Air Act 1981 and the Environment (Protection) Act - 1986 and the rules made there under shall be complied with *.</p> <p>c) All the conditions & provisions under the Hazardous Waste (Management, Handling and Trans boundary Movement) Rules 2008 as amended shall be complied with *.</p> <p>d) The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.</p> <p>e) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(A) during day time and 70dB(A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.</p> <p>f) In case of change of ownership/management the name and address of the new owners/ partners/ directors/ proprietor or equipment or working conditions as mentioned in the consents form / order should immediately be intimated to the Board.</p> <p>g) Industry shall have to display data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emissions and solid hazardous wastes generated within the factory premises.</p> <p>h) The CCA shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.</p> <p>i) Any unauthorized change in personnel, equipment or working conditions as mentioned in the CCA order by CCA holder shall constitute a breach of this CCA.</p> <p>j) Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is atleast 1000 trees per acre of land and a green belt of 5 meters width is developed.</p> <p>k) The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.</p>		
<div style="border: 1px solid black; padding: 5px;"><p>*** Note : ACT-Specific, Industry-specific, Area-specific Conditions alongwith Product, Waste water effluent details shall be precisely mentioned in the DETAILED Consent Order.</p><p>*** Note :This is only provisional communication. The final Consent/Authorization in hard copy with duly signed by competent authority shall the final and valid Consent/Authorization.</p></div>		
For and on behalf of Gujarat Pollution Control Board		
D. M. Thaker		
(Member Secretary)		
<div style="display: flex; justify-content: space-between;">Printed On : 22/07/2022Computer generated Order thru XGN, does NOT require Physical SignatureN I</div>		



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

By R.P.A.D.

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

NO: GPCB/ANKA/CA-SUB/31/HD-15341/

DT: 28/06/2018

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

SUB: Amendment to 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] CGA No. AW11-10647 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.	Permethrin OR			
	Lambda Cyhalothrin OR			
	Bifenthrin OR			
	Deltamethrin OR	100	2300	2400
	Thiamethoxam OR			
2.	Buprofezin			
	Quinalphos OR			
	Triazophos OR			
	Chlorpyrifos OR	1200	1200	2400
	Tenephos OR			
3.	Methyl Chlorpyrifos OR			
	Profenophos			
	Meta Phenox Benzaldehyde (MPB) OR	2400	3600	6000
4.	Dichloro Phenol (DCP)			
	Indoxacarb OR			
	Trioxazole OR	130	2270	2400
	Hexaconazole OR			
	Propiconazole OR			

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

5.	Metalaxyl			
	Grude Pigment Violet-23 OR			
	Poly Ether Ketone (PEEK) OR			
	Poly Ether Ketone Ketone (PEKK) OR			
	Poly (2,5 Benzimidazole) (ABPBI) OR			
	Polybenzoxazole (ABPBO) OR			
	Poly Ether Imide (PEI)	300	700	1000
6.	N-Acetylacetone / Aminebenzimidazolone	50	---	50
	[N/A]			
7.	Bromine Recovery*	700	5590	6290
8.	Digmba	---	5000	5000
9.	Diafenthuron	---	1200	1200
10.	Carbendazim	---	1200	1200
	TOTAL	4880	23060	27940 MT/M
11.	Formulation of Technical Products	1400 KL	3600 KL	5000 KL
12.	Captive power plant - Gas based**	0.945 MW	---	0.945 MW
13.	Captive power plant BG Set (1500 KVA) - (Standby)	---	1500 KVA x 2	3000 KVA
14.	3 MW - Coal based Power plant	---	3 MW	3 MW

2. SPECIFIC CONDITIONS:-

- Unit shall not carryout any activity / production till EC from competent authority is obtained.
- All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & thereafter it shall be disposed through other option.
- Unit shall follow spent solvent management guideline framed by board and shall make deal with outside distillation units, if any. Also submit the prescribed forms as per guideline.
- Unit shall obtain permission from GPCB / GPCB under rule- 9 of Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 for utilization of spent of other industry as raw material.
- Unit shall maintain ZLD.
- Bromine recovery is a part of MPB, Profenophos, Propiconazole and Diafenthuron production and shall be used for captive consumption.
- Captive power plant of capacity of 0.945 MW will be surrendered after proposed expansion.
- Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.
- Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.
- There shall not be any change in quantity of wastewater to be discharge in to FETP.

Water Discharge Policy

- Unit shall provide separate energy meter for ZLD scheme and maintain logbook for the same.
- Unit shall provide flow meter at inlet and outlet of ZLD system and maintain daily record of the same.
- Unit shall follow ZLD conditions for expansion and shall make above ground pipeline network for ZLD system.

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GUJARAT POLLUTION CONTROL BOARD

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

- d. Unit shall convey effluent by GPS mounted vehicle to outside CTEE facility to maintain ZLD.
- e. Fixed piping network shall be provided to collect 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. 3.3 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: 110 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 TSDP.

3.9 842 KL/Day permeate will be recycle / reused in process. So actual requirement water will be 1171 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 NM ³ /Day	175 NM ³ /Day	825 NM ³ /Day
2.	HSD	45 Lit/Hr	865 Lit/Hr	910 Lit/Hr
3.	Coal	---	5000 kg/h	5000 kg/h

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

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/NM ³ 100 PPM 50 PPM
2.	Boiler (5 TPH)	15	---		
3.	Thermopack TP - 01 (Cap. 2 Lakh Kcal/hr)	15	---		
4.	Thermopack TP - 02 (Cap. 2 Lakh Kcal/hr)	15	---		
5.	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/NM ³ 100 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/NM ³ 100 PPM 50 PPM
10.	Hot Oil Unit (Cap. 4 Lakh Kcal/hr)	30	---		
11.	Cool Fired Boiler (25 TPH) (for 3 MW Power Plant)	33	Electrostatic Precipitation (ESP) + Water Scrubber	PM SO ₂ NO _x	100 mg/NM ³ 100 PPM 50 PPM
12.	Captive Power Plant D.G. Set (1500 KVA) - Stand By	33	---	PM SO ₂ NO _x	150 mg/NM ³ 100 PPM 50 PPM
13.	Captive Power Plant D.G. Set (1500 KVA) - Stand By	33	---	PM SO ₂ NO _x	150 mg/NM ³ 100 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:

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Six Monthly EC Compliance Report



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

Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
1.	Penicillan Plant (PCI Chlorination & Acid Chloride Preparation Vessel)	18	Caustic Scrubber + Ventury Scrubber	HCl Cl ₂ SO ₂	20 mg/NM ³ 9 mg/NM ³ 40 mg/NM ³
2.	Quinalphos Plant	18	Caustic Scrubber	HCl Cl ₂ SO ₂	20 mg/NM ³ 9 mg/NM ³ 40 mg/NM ³
3.	Meta Phenox Benzaldehyde Plant (MFB Plant)	20	Caustic Scrubber	Bromine HCl Cl ₂ SO ₂	2 mg/NM ³ 20 mg/NM ³ 9 mg/NM ³ 40 mg/NM ³
4.	Bromine Recovery	20	Caustic Scrubber	HBr Bromine	30 mg/NM ³ 2 mg/NM ³
5.	Meta Phenox Benzaldehyde Plant (MFB Plant)	20	Water + Caustic Scrubber	Bromine HCl Cl ₂	2 mg/NM ³ 20 mg/NM ³ 9 mg/NM ³
6.	Bromine Recovery	20	Caustic Scrubber	HBr Bromine	30 mg/NM ³ 2 mg/NM ³
7.	Dicamba Plant	20	Water + Caustic Scrubber	HCl	20 mg/NM ³
8.	Procinphos	20	Water + Caustic Scrubber	HBr Bromine	30 mg/NM ³ 2 mg/NM ³
9.	Lambda Cyhalothrin	20	Water + Caustic Scrubber	SO ₂ HCl	40 mg/NM ³ 20 mg/NM ³
10.	Besacumazole	20	Water + Caustic Scrubber	SO ₂ HCl	40 mg/NM ³ 20 mg/NM ³
11.	Metolaxyl	20	Water + Caustic Scrubber	SO ₂ HCl	40 mg/NM ³ 20 mg/NM ³
12.	Diazinuron	20	Water + Caustic Scrubber	HBr NH ₃	30 mg/NM ³ 30 mg/NM ³
13.	Carboendazim	20	Water + Caustic Scrubber	NH ₃	30 mg/NM ³
14.	Propanthazole	20	Water + Caustic Scrubber	HBr HCl	30 mg/NM ³ 20 mg/NM ³

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15.	Poly Ether Ketone (PEK)	20	Water + Caustic Scrubber	SO ₂ HCl	40 mg/NM ³ 20 mg/NM ³
16.	Poly Ether Ketone Ketone (PEKK)	20	Water + Caustic Scrubber	SO ₂ HCl	40 mg/NM ³ 20 mg/NM ³
17.	Poly (2,5-Benzimidazole) ABEH	20	Water + Caustic Scrubber	SO ₂ HCl	40 mg/NM ³ 20 mg/NM ³
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/Nm ³	30 Minutes
HCl	50 mg/Nm ³	30 Minutes
SO ₂	200 mg/Nm ³	30 Minutes
CO	100 mg/Nm ³	30 Minutes
Total Organic Carbon	20 mg/Nm ³	30 Minutes
HBr	4 mg/Nm ³	30 Minutes
AUX (NO and NO ₂ expressed as NO ₂)	100 mg/Nm ³	30 Minutes
Total dioxins and furans	0.1 ng TEQ/Nm ³	6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence.
Cd + Th + their compounds	0.05 mg/Nm ³	Sampling time anywhere between 30 minutes and 8 hours.
Hg and its compounds	0.05 mg/Nm ³	Sampling time anywhere between 30 minutes and 8 hours.
Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds	0.5 mg/Nm ³	Sampling time anywhere between 30 minutes and 8 hours.

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

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

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Six Monthly EC Compliance Report



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

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

- 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 90% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.
- 5 All measures (APCM) for the control of environmental pollution shall be provided before commencing production.
- 5 CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016
- 5.1 Unit shall comply with provisions of Hazardous & Other Wastes (Management & Transboundary Movement) Rules-2016.
- 5.2 Unit shall obtain authorization under Hazardous & Other Waste (Management & Transboundary Movement) Rules-2016 for increase in Hazardous & other waste quantity / category.
- 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

Outward No: 457696.08/06/2018

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Six Monthly EC Compliance Report

Annexure – 4 CSR & CER Activity


GUJARAT INSECTICIDES LIMITED				
Corporate Social Responsibility (CSR) Expense incurred in June – 22 to Nov – 22				
Sr. No.	CSR Activities	Item from the list of activities in Schedule VII to the Act.	Amount spent between June-22 to Nov-22	Mode of Implementation
1	Supply of Medical Equipment to to Sardar Patel Hospital, Ankleshwar	Health	18,53,196	Direct Supply
	Optical Biometer and A-Scan / Biometer System (Ophthalmology dept.)			
	Ultrasound bone densitometer and Trauma Recon System (Orthopaedic dept.)			
2	Supply of Vacuum Delivery System (Gynaecology department) to Rogi Kalyan Samiti, Netrang Village	Health	1,38,320	Direct Supply
3	Supply of 8 Nos desktop computer and 15 Ceiling Fans to Mahatma Jyotirao Fule Marathi School, GIDC Ankleshwar	Education	3,23,496	Direct Supply
4	Supply of 5 Desktop Computers, 7 Sewing Machine, 1 fall stitching machine to Ramkrishna Vivekanand Charitable Trust, GIDC Ankleshwar	Education	2,63,240	Direct Supply
5	Supply of 6 Nos White boards to Shantiniketan Utter Buniyadi Ashram Shala, Kodvav Village	Education	14,160	Direct Supply
6	Construction of Hostel Hall and 8 Toilet & bathroom blocks for girls at Shantiniketan Utter Buniyadi Ashram Shala, Kodvav Village	Education	28,36,378	Direct Work
7	Construction of 10 Toilet blocks for boys hostel at Shantiniketan Utter Buniyadi Ashram Shala, Kodvav Village	Education	9,80,565	Direct Work
	Total	64,09,355/-		



Six Monthly EC Compliance Report

Annexure – 5

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



FORM NO. : 32
(Prescribe under Rule 68 T and 102)

HEALTH REGISTER

1. Sr. No. in the Register of adults Worker : 9042
૧. પ્રોફ કારીગરના રજી. અનુ. નં. :

2. Name of Worker : MR. SUDAM L. PATIL
૨. કારીગર નું નામ :

3. Sex / જાતિ : M 4. Date of Birth/જન્મ તારીખ : 1/06/1975

Department/ Works વિભાગ / કાર્ય	Name of Hazardous process જોખમી કાર્યનું નામ	Dangerous process operation જોખમી કારક પ્રક્રિયા	Nature of job or occupa- tion કાર્યનો પ્રકાર	Raw materials products or by product likely to be exposed to જે કામો પ્રદર્શ અથવા આડ પેદાશનું કામ કર્યું હો તે	Date of posting નિમણૂક તારીખ	Date of leaving transfer-to or transfer કામ છોડવા અથવા બદલી તારીખ	Reasons for discharge leaving or transfer નોકરી છોડવા અથવા બદલી માટેનું કારણ
1	2	3	4	5	6	7	8
Plant-4	As per Annex	Annex	Officer	Annex	20/7/20	NA	NA
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"

ફોર્મ નં ૩૨
(નિયમ ૬૮ ટી અને ૧૦૨ હેઠળ રાખેલ)
આરોગ્ય રજીસ્ટર


Medical examination and the results there of રોગીનું તપાસ અને પરિણામ				If declared unfit for work કામ માટે અયોગ્ય કાર્ય હોય તો				Signature of with date of the Factory Medical Officer the Certifying Surgeon મેડીકલ ઓફીસર રજીસ્ટર તા ૧૫ સ્ટાફની સહી
Date તારીખ	Signs and symp- toms observed during examination તપાસ દરમિયાન જણવાયા આવતા લક્ષણો	Nature of tests & results there of તપાસની પ્રકાર અને પરિણામ	Results Fit/unfit યોગ્ય/ અયોગ્ય	Period of temp- orary withdrawal from that work મોકૂફ કર્યાની મુદત	Reason for such withdrawal મોકૂફ કર્યાનું કારણ	Date of declaring him unfit for certificate મોકૂફ કર્યાની તારીખ	Date of issuing fitness certificate યોગ્ય પ્રમાણપત્ર આપ્યાની તારીખ	
9	10	11	12	13	14	15	16	
29/1/21	NAD	As per PMS Report-2021	Fit	NA	NA	NA	NA	
10/7/21	NAD	As per PMS Report-2021	Fit	NA	NA	NA	NA	
2-3-22	NAD	As per PMS Report-2022	Fit	NA	NA	NA	NA	
8-7-22	NAD	As per PMS Report-22	Fit	NA	NA	NA	NA	




Six Monthly EC Compliance Report

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



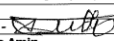
LABORATORY TEST REPORT – AMBIENT
REPORT NO.: OCT22/162/05 (ULR- TC709922000018717F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 – 162OC22AQ01	5. Sampling Location: Near Boiler
4. Sample Date: 23.09.2022	7. Sampling Duration: 24 Hrs
6. Sampling Time: 11:30 hr	9. Analysis Completed on: 26.09.2022
8. Analysis commenced on: 26.09.2022	11. Discipline: Chemical
10. Reporting Date: 11.10.2022	13. Group : Atmospheric Pollution
12. Sample Collected By: Mr. Vimal	15. Product: Ambient Air
14. Sampling Procedure: IS Method	
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: Down wind Wind blowing from: - Station category: Industrial	
18. Sample Received Date: 26.09.2022	

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	PM ₁₀	µg/m ³	57	100	IS 5182 (Part 23) : 2006
2.	PM _{2.5}	µg/m ³	19	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	9.21	80	IS 5182 (Part 2) : 2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	14.76	80	IS 5182 (Part 6) : 2006

Remark :
Authorized By : 
Name : Sapana Amin **Designation :** Lab Incharge


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

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Ambient Air Monitoring on 26.09.2022 – Near Boiler



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



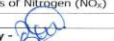
LABORATORY TEST REPORT – AMBIENT
REPORT NO.: JUN22/170/07 (ULR- TC709922000013234F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 – 170JN22AQ01	5. Sampling Location: Near Boiler
4. Sample Date: 29.06.2022	7. Sampling Duration: 24 Hrs
6. Sampling Time: 12:00 hr	9. Analysis Completed on: 30.06.2022
8. Analysis commenced on: 30.06.2022	11. Discipline: Chemical
10. Reporting Date: 15.07.2022	13. Group : Atmospheric Pollution
12. Sample Collected By: Mr. Vimal	15. Product: Ambient Air
14. Sampling Procedure: IS Method	
16. Description of Sample: Sampling Bottles: Sealed ✓ Filter Paper: Packed ✓ Bladder: Clamped ✓	
17. Environment Condition: Temp: Normal Humidity: Low Wind speed: Smooth Cloud cover: Clear sky	
Rain: No Rain Wind Direction: Down wind Wind blowing from: - Station category: Industrial	
18. Sample Received Date: 30.06.2022	

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	PM ₁₀	µg/m ³	49	100	IS 5182 (Part 23) : 2006
2.	PM _{2.5}	µg/m ³	13	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	8.77	80	IS 5182 (Part 2) : 2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	15.87	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

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Ambient Air Monitoring on 30.06.2022 – Near Boiler



Six Monthly EC Compliance Report



KADAM ENVIRONMENTAL CONSULTANTS
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 871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.
 Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

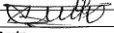
LABORATORY TEST REPORT – AMBIENT
REPORT NO.: OCT22/162/06 (ULR- TC709922000018718F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.		3. Client Representative: Mr. A.D. Joshi	
2. Sample ID: 2252758246 – 162OC22AQ02	4. Sample Date: 23.09.2022	5. Sampling Location: Near Admin	6. Sampling Time: 11:45 hr
7. Sampling Duration: 24 Hrs	8. Analysis commenced on: 26.09.2022	9. Analysis Completed on: 26.09.2022	10. Reporting Date: 11.10.2022
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: Down wind Wind blowing from: - Station category: Industrial	
18. Sample Received Date: 26.09.2022			

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg/m ³	42	100	IS 5182 (Part 23) : 2006
2.	PM _{2.5}	µg/m ³	14	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	7.89	80	IS 5182 (Part 2) :2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	11.83	80	IS 5182 (Part 6) :2006

Remark :
 Authorized By - 
 Name : Sapana Amin Designation : Lab Incharge

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

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Ambient Air Monitoring on 26.09.2022 – Near Admin



KADAM ENVIRONMENTAL CONSULTANTS
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 871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.
 Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT


LABORATORY TEST REPORT – AMBIENT
REPORT NO.: JUN22/170/08 (ULR- TC709922000013235F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.		3. Client Representative: Mr. A.D. Joshi	
2. Sample ID: 2252758246 – 170JN22AQ02	4. Sample Date: 29.06.2022	5. Sampling Location: Near Admin	6. Sampling Time: 12:15 hr
7. Sampling Duration: 24 Hrs	8. Analysis commenced on: 30.06.2022	9. Analysis Completed on: 30.06.2022	10. Reporting Date: 15.07.2022
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: Low Wind speed: Smooth Cloud cover: Clear sky		Rain: No Rain Wind Direction: Up wind Wind blowing from: - Station category: Industrial	
18. Sample Received Date: 30.06.2022			

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg/m ³	65	100	IS 5182 (Part 23) : 2006
2.	PM _{2.5}	µg/m ³	17	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.58	80	IS 5182 (Part 2) :2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	12.53	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


Ambient Air Monitoring on 30.06.2022 – Near Admin



Six Monthly EC Compliance Report



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

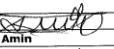
REPORT NO.: OCT22/162/07 (ULR- TC709922000018719F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.		3. Client Representative: Mr. A.D. Joshi	
2. Sample ID: 2252758246 – 162OC22AQ03	4. Sample Date: 23.09.2022	5. Sampling Location: Near Canteen Terrace	6. Sampling Time: 12:20 hr
7. Sampling Duration: 24 Hrs	8. Analysis commenced on: 26.09.2022	9. Analysis Completed on: 26.09.2022	10. Reporting Date: 11.10.2022
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	
18. Sample Received Date: 26.09.2022		Rain: No Rain Wind Direction: Down wind Wind blowing from: - Station category: Industrial	

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg/m ³	47 ✓	100	IS 5182 (Part 23) : 2006
2.	PM _{2.5}	µg/m ³	11 ✓	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.14 ✓	80	IS 5182 (Part 2) :2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	12.95 ✓	80	IS 5182 (Part 6) :2006

Remark :
Authorized By : 
Name : Sapana Amin Designation : Lab Incharge

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-----


DOC. NO.: LAB-FMT-051
Effective Date: 01.03.2021

Issue No.: 02
Issue Date: 01-01-2015


Revision No.: 03
Revision Date: 01.03.2021

Page 1 of 1

Ambient Air Monitoring on 26.09.2022 – Near Canteen



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.: JUN22/170/09 (ULR- TC709922000013236F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.		3. Client Representative: Mr. A.D. Joshi	
2. Sample ID: 2252758246 – 170JN22AQ03	4. Sample Date: 29.06.2022	5. Sampling Location: Near Canteen Terrace	6. Sampling Time: 12:30 hr
7. Sampling Duration: 24 Hrs	8. Analysis commenced on: 30.06.2022	9. Analysis Completed on: 30.06.2022	10. Reporting Date: 15.07.2022
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: Low Wind speed: Smooth Cloud cover: Clear sky	
18. Sample Received Date: 30.06.2022		Rain: No Rain Wind Direction: Up wind Wind blowing from: - Station category: Industrial	

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg/m ³	51	100	IS 5182 (Part 23) : 2006
2.	PM _{2.5}	µg/m ³	15	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	5.84	80	IS 5182 (Part 2) :2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	13.11	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-----

DOC. NO.: LAB-FMT-051
Effective Date: 01.03.2021

Issue No.: 02
Issue Date: 01-01-2015

Revision No.: 03
Revision Date: 01.03.2021

Page 1 of 1


Ambient Air Monitoring on 30.06.2022 – Near Canteen




Six Monthly EC Compliance Report

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.: OCT22/162/09 (ULR- TC709922000018720F)

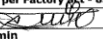
SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246-162OC22NO01	5. Sample Collected By: Mr.Vimal
4. Sample Date: 23.09.2022	7. Analysis Completed on: 23.09.2022
6. Analysis commenced on: 23.09.2022	9. Sampling Location : -
8. Reporting Date: 11.10.2022	13. Sample Received Date: 23.09.2022
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)	11:30 hr	49.3	23:00 hr	47.5	IS 9989: 1981
2	Plant - B (GF)	11:45 hr	51.3	23:15 hr	50.1	IS 9989: 1981
3	Plant - C (GF)	12:00 hr	48.7	23:30 hr	46.2	IS 9989: 1981
4	Plant - A (FF)	12:15 hr	49.3	23:45 hr	41.8	IS 9989: 1981
5	Plant - B (FF)	12:30 hr	52.3	24:00 hr	50.4	IS 9989: 1981
6	Plant - C (FF)	12:45 hr	51.2	00:15 hr	49.6	IS 9989: 1981
7	Nr. Admin Office	13:00 hr	48.7	00:30 hr	48.2	IS 9989: 1981
8	Nr. Gate 1	13:15 hr	49.8	00:45 hr	47.1	IS 9989: 1981
9	Plant - H	13:30 hr	51.3	01:00 hr	50.2	IS 9989: 1981
10	Nr. ETP	13:45 hr	47.8	01:15 hr	54.7	IS 9989: 1981
11	Nr. Boiler	14:00 hr	62.7	01:30 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 -  Designation : Lab Incharge

Name : Sapana Amin

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-----


DOC. NO.: LAB-FHT-087
 Effective Date: 01.03.2021

TEST REPORT FORMAT - NOISE
 Issue No.: 01
 Issue Date: 01-05-2015


Revision No.: 03
 Revision Date: 01.03.2021

Page 1 of 1

Noise Monitoring on 23.09.2022



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.: JUN22/170/12(ULR- TC709922000013238F)

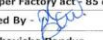
SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 - 170JN22NO01	5. Sample Collected By: Mr.Vimal
4. Sample Date: 28.06.2022	7. Analysis Completed on: 28.06.2022
6. Analysis commenced on: 28.06.2022	9. Sampling Location : -
8. Reporting Date: 15.07.2022	13. Sample Received Date: 28.06.2022
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)	11:25 hr	56.3	-	-	IS 9989: 1981
2	Plant - B (GF)	11:20 hr	55.4	-	-	IS 9989: 1981
3	Plant - C (GF)	11:20 hr	51.2	-	-	IS 9989: 1981
4	Plant - A (FF)	11:22 hr	53.4	-	-	IS 9989: 1981
5	Plant - B (FF)	11:35 hr	48.2	-	-	IS 9989: 1981
6	Plant - C (FF)	13:32 hr	46.8	-	-	IS 9989: 1981
7	Nr. Gate - 1	13:37 hr	52.3	-	-	IS 9989: 1981
8	Nr. Gate 2	13:40 hr	54.2	-	-	IS 9989: 1981
9	Plant - H (GF)	14:40 hr	56.3	-	-	IS 9989: 1981
10	Nr.ETP Office	12:42 hr	59.2	-	-	IS 9989: 1981
11	Nr.Boiler	13:40 hr	64.7	-	-	IS 9989: 1981
12	Plant - H (FF)	13:40 hr	57.2	-	-	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 -  Designation : Sr.Chemist

Name : Bhavisha Pandya

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-----

DOC. NO.: LAB-FHT-087
 Effective Date: 01.03.2021

TEST REPORT FORMAT - NOISE
 Issue No.: 01
 Issue Date: 01-05-2015

Revision No.: 03
 Revision Date: 01.03.2021

Page 1 of 1

Noise Monitoring on 28.06.2022



Six Monthly EC Compliance Report

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

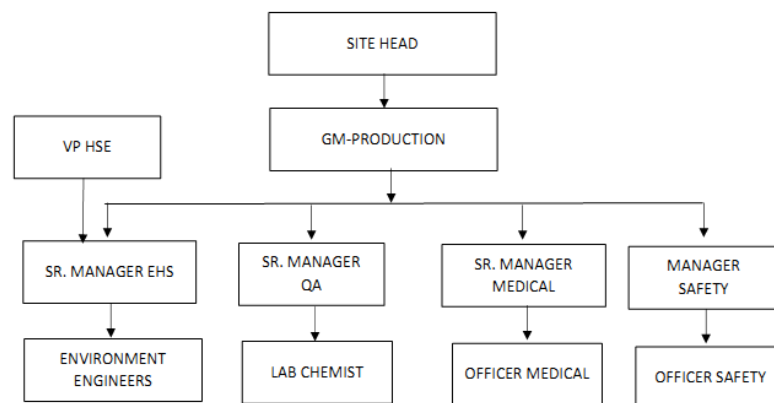


Six Monthly EC Compliance Report

Annexure – 9 EHS Cell

GUJARAT INSECTISIDES LIMITED
805-806, GIDC, ANKLESHWAR-393002, GUJARAT, INDIA

ENVIRONMENT CELL- GIL



Six Monthly EC Compliance Report

Annexure – 10

Details of recovery of Major Solvent

Solvent: EDC

Month	No. of batches	From & To	Charged (kg)	Recovered (kg)	Loss (kg)	% Recovery
Jun-22	45	#33-77	228501	223658	4843	97.88
July-22	48	#78-125	243734	238891	4843	98.01
Aug-22	-	-	-	-	-	-
Sept-22	-	-	-	-	-	-
Oct-22	-	-	-	-	-	-
Nov-22	-	-	-	-	-	-

Solvent: Xylene (Product: Quinalphos)

Month	No. of batches	From & To	Charged	With Product	Recovery	Loss	Recovery %+
			Kg	Kg			
Jun-22	45	#33-77	215325	29238	183883	2204	98.98
July-22	48	#78-125	229680	30537	195614	3529	98.46
Aug-22	-	-	-	-	-	-	-
Sept-22	-	-	-	-	-	-	-
Oct-22	-	-	-	-	-	-	-
Nov-22	-	-	-	-	-	-	-



Six Monthly EC Compliance Report

Annexure – 11 PESO license Valid up to 31.12.2023

भारत सरकार
Government of India
व्यवसाय और उद्योग मंत्रालय
Ministry of Commerce & Industry
पेट्रोलियम और विस्फोटक सुरक्षा संगठन (पेश)
Petroleum & Explosives Safety Organisation (PESO)
आठवीं मंजूर, यश कानल बिल्डिंग, सायजगुम,
वाडोदरा - 390020

E-mail : dyccbarodad@explosives.gov.in
Phone/Fax No : 0265 - 2225155

संख्या /No. PIHQ/GJ/15/358 (P9961)

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

विषय /Sub:
Plot No. Plot No 805/806 GIDC Estate, Post box no 90, Ankleshwar, Taluka: Ankleshwar, District: BHARUCH, State: Gujarat, PIN: 393002 में टैंकर डिपो
पेट्रोलियम क्लास A,B,C इन्फ्रस्ट्रक्चर में अंग्रेजी में PIHQ/GJ/15/358 (P9961) के विवरण के संबंध में।
Existing Petroleum Class A,B,C Infrastructure at Plot No. Plot No 805/806 GIDC Estate, Post box no 90, Ankleshwar, Taluka: Ankleshwar, District: BHARUCH,
State: Gujarat, PIN: 393002 - Licence No. PIHQ/GJ/15/358 (P9961) - Renewal regarding.

प्रार्थना /For:
(to)
कृपया आपको पर कृपया OIN631507 दिनांक 26/10/2020 का अवगत करें।
Please refer to your letter No.: OIN631507, dated 26/10/2020

अनुमति संख्या PIHQ/GJ/15/358 (P9961) दिनांक 25/05/2018 को विस्तार 31/12/2023 तक मंजूरित कर इस पर के काम अंतिम की जा रही है।
Licence No. PIHQ/GJ/15/358 (P9961) dated 25/05/2018 is forwarded herewith duly renewed upto 31/12/2023.

कृपया पेट्रोलियम विभाग 2002 के अर्धीन काम कर विभाग 148 के भी नई प्रक्रिया का कागज़ से मान्य करें। अनुमति के अंतिमकरण हेतु संपूर्ण दस्तावेज़ों को अनुमति के समाप्त
तक प्राप्त होनी चाहिए और वे कम से कम 30 दिन पूर्व अंतिमकरण को भेजिए।
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 जवाब दें।
Please acknowledge the receipt.

आभार /Yours faithfully,
(सचिव, सुरक्षा)
(Sanjay Kumar)
सचिव, सुरक्षा
Controller of Explosives
एन ए एक्स इन्फ्रस्ट्रक्चर
द्वारा वाडोदरा

29 DEC 2020

Date: 16/12/2020

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(अधिक जानकारी और अपडेट की प्रकृति, कृपया हमें अन्य विवरण के लिए हमारे वेबसाइट : <http://peso.gov.in>)
(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

फॉर्म XV
(पेट्रोलियम क्लास A,B,C के लिए)
FORM XV
(see Article 6 of the First Schedule)

अधिकारों में पेट्रोलियम के आयात और भंडारण के लिए अनुमति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनुमति सं. (Licence No.): PIHQ/GJ/15/358(P9961)

फीस (Fee) (Rs.) 33150/- per year

M/s. Gujarat Insecticides Ltd., P.Box No. 90, 805/806, G.I.D.C. Estate, Ankleshwar, Ankleshwar, Taluka: Ankleshwar, District: BHARUCH, State: Gujarat, PIN: 393002 को भंडारण करने वाले पेट्रोलियम 512.50 KL आयात करने के लिए और अधिक, ऐसे पेट्रोलियम को भंडारण करने वाले PIHQ/GJ/15/358 (P9961), दिनांक 16/12/2020 को कि इससे आगे है, जो विभाग को खास पर भंडारण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों का उनके अंतर्गत काम कर विभाग को भेजिए।
Licence is hereby granted to M/s. Gujarat Insecticides Ltd., P.Box No. 90, 805/806, G.I.D.C. Estate, Ankleshwar, Ankleshwar, Taluka: Ankleshwar, 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 PIHQ/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 अनुमति 31st day of December 2023 तक प्रवृत्त होगी।
The Licence shall remain in force till the 31st day of December 2023.

पेट्रोलियम का विवरण /Description of Petroleum	अनुमति प्राप्त (किग्रा/मिटर) में /Quantity licensed in KL
कई से अनुमति पेट्रोलियम /Petroleum Class A in bulk	275.00 KL
कई से अनुमति पेट्रोलियम से शिवा /Petroleum Class A, otherwise than in bulk	NIL
कई से अनुमति पेट्रोलियम /Petroleum Class B in bulk	137.50 KL
कई से अनुमति पेट्रोलियम से शिवा /Petroleum Class B, otherwise than in bulk	NIL
कई से अनुमति पेट्रोलियम /Petroleum Class C in bulk	100.00 KL
कई से अनुमति पेट्रोलियम से शिवा /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	512.50 KL

May 17, 1982

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

अनुमति प्राप्त की विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुमति प्राप्त करने वाली संस्था का नाम अनुमति प्राप्त करने वाली की विवरण यह है Plot No. Plot No 805/806 GIDC Estate, Post box no 90, Ankleshwar, Taluka: Ankleshwar, District: BHARUCH, State: Gujarat, PIN: 393002 तथा पर अनुमति है तथा अन्य विवरण 10 aboveground Petroleum Class A, 4 aboveground Petroleum Class B and 4 aboveground Petroleum Class C storage tanks together with other connected facilities. संदर्भित 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: Ankleshwar, 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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signature.



Six Monthly EC Compliance Report

पृष्ठ सं. 2

अनुमति संख्या: (Licence No.) P9HQ/GJ/15/358 (P9961)

मशीनरीकरण के पुनःकरण के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, 1934 के उपखण्डों या उनके अंतर्गत बनाए गए नियमों या इन अनुमति की शर्तों का उल्लंघन न होने की दशा में यह अनुमति किस में बिना किसी छूट के इस वर्ष तक नवीकृत की जा सकती है। This licence shall be renewable without any concession in law 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.	मौजूदा नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry of license	अनुमति प्रमाणित करने वाले अधिकारी और स्टाम्प Signature and office stamp of the licensing 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 Vadodra
5).	21/11/2016	31/12/2019	Sd/- Anil Kumar Yadav Controller of Explosives For Dy. Chief Controller of Explosives Vadodra
6).	23/12/2019	31/12/2020	Sd/- Mohanlal Jana Dy. Controller of Explosives For Dy. Chief Controller of Explosives Vadodra
7).	16/12/2020	31/12/2023	Sanjay Kumar Controller of Explosives For Dy. Chief Controller of Explosives Vadodra

राम कुमार विरोचन मिश्रा, वडोदरा
Dy. Chief Controller of Explosives, Vadodra

यदि अनुमति धारक इसमें उल्लंघन और शर्तों के अनुसार नहीं पाए जाते हैं और किन नियमों और शर्तों के अंतर्गत यह अनुमति मंजूर की गई है उसमें से किसी का उल्लंघन होने की दशा में यह अनुमति रद्द की जा सकती है और अनुमतिधारी पर्यम अपराध के लिए सजाया जाएगा, जो एक मजबूत सबूत हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पचासवर्षी अपराध के लिए सजाया जाएगा से जो तीन मजबूत सबूत हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, उपर्युक्त होना।
This licence is liable to be cancelled if the licensee 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 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.



Six Monthly EC Compliance Report

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

a) Details of flue gas stack

Sr. No.	Stack ID	Stack Height in meter	APCM	Parameter	Permissible Limit
1	Boiler (10 TPH)	30	ESP + Water Scrubber	PM SO ₂ NO _x	150 mg/nm ³ 100 ppm 50 ppm
2	Thermo pack (TP – 01) (Cap: 2 Lac Kcal/hr)	15	-		
3	Thermo pack (TP – 02) (Cap: 2 Lac Kcal/hr)	15	-		
4	Haiza Hot Oil - 9153 Unit (Cap: 2 Lac Kcal/hr)	30	-		
5	Hot Oil Unit (Cap: 2 Lac Kcal/hr)	30	-		
6	DG set – 1500 KVA – Stand By	33	-		
7	Hot Oil Unit – 2 (Cap: 2 Lac Kcal/hr)	30	-		
8	Hot Oil Unit – 3 (Cap: 2 Lac Kcal/hr)	30	-		
9	DG set – 1500 KVA – Stand By	33	-		



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b) Details of Process Gas Stack:

Sr. No.	Stack ID	Stack Height in meter	APCM	Pollutants	Permissible Limit
1	MPB Plant	20	Water + Alkali Scrubber	Bromine HCl Cl ₂	2 mg/Nm ³ 20 mg/Nm ³ 9 mg/Nm ³
2	Bromine Recovery	20	Alkali Scrubber	HBr Bromine	30 mg/Nm ³ 2 mg/Nm ³
3	Profenophos Plat	20	Water+ Alkali Scrubber	HBr Bromine	30 mg/Nm ³ 2 mg/Nm ³
4	Azole Plant (Hexaconazole)	20	Water+ Alkali Scrubber	SO ₂ HCl	40 mg/Nm ³ 20 mg/Nm ³
5	Azole Plant (Metalaxyl)	20	Water+ Alkali Scrubber	SO ₂ HCl	40 mg/Nm ³ 20 mg/Nm ³
6	Azole Plant (Difenthiuron/ Propiconazole)	20	Water+ Alkali Scrubber	HCl HBr NH ₃	20 mg/Nm ³ 30 mg/Nm ³ 30 mg/Nm ³
7	Dicamba Plant	20	Water + Caustic Scrubber	HCl	20 mg/Nm ³



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Annexure - 13

Environmental Management System (EMS) Adequacy Certificate

M/s. Gujarat Insecticides Limited (EAR- April'2021 to March'2022)

ADEQUACY CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM

M/s. TIFAC-CORE in Environmental Engineering, Sarvajani College of Engineering & Technology of Surat is recognized by the GPCB, Gandhinagar under the Environmental Audit Scheme introduced by the Hon'ble High Court of Gujarat, vide its orders dated 20/12/1996 and 13/03/1997 and modified order dated 16/09/1999, as an environmental auditor for the purpose of the auditing, having carried out environmental audit of M/s. Gujarat Insecticides Ltd. located at Plo No. 805/806, GIDC Esate; Ankleshwar, Dist. Bharuch manufacturing products as under:

Name of the Product	Group of the Product	Consented Quantity (MT/Year)	Actual Production (MT/Year)
Quinalphos	Group 2	2400	2456.471
Profenophos			218.206
Meta Phenoxy Benzaldehyde (MPB)	Group 3	6000	2471.025
Meta Phenoxy Benzaldehyde Acetal			2530.06
Crude Pigment Violet-23	Group 7	600	147.33
Bromine Recovery	Group 10	6290	938.7
	Total	15290	8761.792

Having completed the environmental audit based on personal monitoring and audit report prepared as per the direction of Hon'ble High Court in Environmental Audit Scheme, it is certified that the Environmental Management System (EMS) provided by this industry for the products manufactured and capacity as stated above is adequate and efficient to achieve the quality of effluents (Air + Waste Water + Solid Waste) as specified in Consent/Notifications by GPCB, Gandhinagar for the following quantity of waste generation:

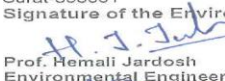
Liquid effluent	(1) Trade effluent: 456.95 M ³ /Day (2) Domestic effluent (sewage) : 18.48 KLD
Hazardous Waste	87199.04 kg/Day
Air emission (flue gas Stacks as well as process stacks)	Adequate and efficacious


This certificate is valid for the audit period (April'2021 to March'2022) only. However, it is subject to automatic cancellation in case of any change in product profile/capacity, quality and quantity of effluent emission (Air + WasteWater + Solid/Hazardous) and efficiency of EMS equipments.


This Certificate forms part of environmental audit report.


Name and Address of the Environmental Auditor:
TIFAC-CORE in Environmental Engineering
Sarvajani College of Engineering and Technology
Opp. Mission Hospital,
Dr. R. K. Desai Marg, Athwalines,
Surat-395001


Signature of the Environmental Auditor :



Prof. Hemali Jardosh
 Environmental Engineer


Prof. Anand Upadhyay
 Chemical Engineer


Dr. Juned Miyajan
 Chemist


Dr. Darshan Marjadi
 Microbiologist


Dr. Ashish Desai
 Head, Environment Audit Cell
 Date: 24/06/2022
 Place: SURAT


Dr. Hiren Patel
 Principal
 TIFAC-CORE-SCET
 SURAT

TIFAC-CORE-SCET (Auditor ID: 2092)

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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:

- 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
- Scope:** All activities of the company
- 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 (June 2022 to Nov 2022) MT	Name of GPCB approved END user
1.	Spent Solvent	I	20.2	--	MITOLIA CHEMICALS
2.	Distillation Residues	I	20.3	525.71 MT	SHREE CEMENT LTD, RAS
3.	Process Waste Sludge/ Residue containing acid, Toxic metals, organic compounds	I	26.1	27.975 MT	BHARUCH ENVIRO INFRASTRUCTURE LTD
4.	Process wastes or residues	I	29.1	89.885 MT	SAURASHTRA ENVIRO PROJECTS PVT. LTD



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Sr. No.	Type of Waste	Sch.	Category (As Per Schedule) Rules 2016	Generation (June 2022 to Nov 2022) MT	Name of GPCB approved END user
5.	Sludge containing residual pesticides	I	29.2	527.885 MT	BHARUCH ENVIRO INFRASTRUCTURE LTD
6.	Date-expired and off specification pesticides	I	29.3	76.235 MT	SAURASHTRA ENVIRO PROJECTS PVT. LTD
7.	Spent Catalysts	I	29.5	0 MT	RASHDEEP CHEMICALS
					M/s. SOLVEX TECHNOLOGY
8.	Empty barrels/ containers/liners contaminated with hazardous chemicals/wastes	I	33.1	63.405 MT	HARSHEEL ENTERPRISE
9.	Oil and Grease skimming	I	35.4	0 MT	SAURASHTRA ENVIRO PROJECTS PVT. LTD
10.	Spent Carbon or filter medium	I	36.2	0 MT	ULTRATECH CEMENT LTD
					RECYCLING SOLUTIONS PVT. LTD.
11.	Used or Spent Oil	I	5.1	7.255 MT	SHIBL LUBRICANT
12.	Wastes or residues containing oil	I	5.2	0 MT	SURAJ BARRELS SUPPLIER
13.	Ammonia	II	A10	0 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	83.5 MT	CHLORIDES INDIA
					UNIQUE CHEM
					RASHDEEP CHEMICALS
15.	Halogen-Containing compounds which produce acidic vapours on contact with humid	II	B10	2006.435 MT	RASHDEEP CHEMICALS
					SHREEKALA INTERMEDIATE PVT. LTD



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Sr. No.	Type of Waste	Sch.	Category (As Per Schedule) Rules 2016	Generation (June 2022 to Nov 2022) MT	Name of GPCB approved END user
	air or water e.g. Silicon tetrachloride, Aluminium chloride, Titanium tetrachloride				SYNERGY MULTICHEM PVT LTD PENTAGON CHEMICALS
16.	Inorganic acids	II	B15	0	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



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Annexure: 15

Record of Hazardous waste management in Form - 4

JUNE - 2022 TO NOVEMBER - 2022 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	Date expired and off specification 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	29.3	29.5	33.1	5.1
June- 22	270.46	18.185	31.620	101.675	0	0	7.92	5.98
July – 22	146.89	0	0	103.415	58.520	0	14.68	0
Aug – 22	45.395	9.79	18.330	72.965	17.715	0	1.69	0
Sept – 22	0	0	39.935	42.345	0	0	1.305	1.275
Oct – 22	42.350	0	0	111.26	0	0	17.765	0
Nov – 22	20.615	0	0	96.225	0	0	20.045	0
Total	525.71	27.975	89.885	527.885	76.235	0	63.405	7.255



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DETAILS OF SOLID/HAZARDOUS WASTE DISPOSAL TO GPCB APPROVED END USERS & TREATMENT AT SITE (JUNE - 2022 TO NOVEMBER - 2022)

Month	Halogen containing compounds which produce acidic vapours on contact with humid air OR water e.g. Silicon Tetrachloride, Aluminum chloride, Titanium chloride	Halogen containing compounds which produce acidic vapours on contact with humid Air OR water e.g. Silicon tetrachloride, Aluminum Chloride, Titanium chloride
Category	B10	B10
-	AlCl ₃ Solution (MT)	KCl Powder (MT)
Jun- 22	929.95	30
July – 22	761.64	30
Aug – 22	132.295	13.1
Sept – 22	0	0
Oct – 22	0	0
Nov – 22	182.550	10.400
Total	2006.435	83.5



Six Monthly EC Compliance Report

Form No. D2

Monthly Report from Industry

Gujarat Pollution Control Board

Form No D2

October , 2022

1. Name & address of Industry : Gujarat Insecticides Limited,
Ankleshwar - 393001
DIST : Ankleshwar, TAL : Ankleshwar, SIDC :
Ankleshwar
2. Phone No. : +919408705201
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-120305, 13/03/2027
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=799370,Kilo Litre=6579
Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 3393 / 933 / 2253 / 0
9. Electricity consumed in PRODUCTION : 530154 ETP/CETP : 48560 APCM : 15913
- 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),quinalphos/triazophos/chlorpyriphos/temephos/methyl chlorpyriphos/propenophos
12. Work of Control Measures In Progress : Nothing in Progress
13. Upgradation / Addition of PCM is Required : ETP
14. HAZ Waste Disposal(in Metric Tonne): Land Filling Waste to TSDF=128.650,Co-Incineration
Waste to other Industry=42.350,Recyclable to Regd
Recyclers=0.375,Trucks despatched=12

PCB ID : 15141

N I C Date : 23/11/2022

1 / 2

Company Seal

Authorised Signatory

Yours Faithfully



Six Monthly EC Compliance Report

Annexure 16:
Details of Budget allocation sheet for EMP.

		December 2021 to May 2022	June 2022 to November 2022
Sr. No.	Particulars	Recurring Cost Per Annum [Rs.]	Recurring Cost Per Annum [Rs.]
1	Air Pollution Control	2719437	103439.2
2	Water Pollution Control		
	a) Raw material cost	14117510	9302437
	b) Disposal Cost (Effluent)	15056633	14312735
	c) Power cost	3773257	3395458
	d) Service men days	888422	733619
	e) Consultancy charge	1327513	732323
3	Noise Pollution Control	---	----
4	Environment Monitoring & Management	89715	85810
5	Solid/Hazardous Waste Handling and Management	34721285	12917627
6	Green Belt	360000	360000
TOTAL		73053772	73053772



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Capital Cost Expenditure:

1. Period (June 2022 to November 2022):

Sr. No	Particulars	Sub Particulars	Capital Cost (Rs. Lac.)
1	For Pre-treatment in ETP Plant	Pipe,pipe fittings, equipments, instrumentation & electrification	0.00
2	Rain water protection for MEE plant	Structure material, roof sheey	38.29
3	15HP Aerator in AT-01	15HP Triton Aerator	0.0
4	EHS facility in ETP	Pipe & Pipe fittings	0.0
	Total		38.29 Lacs

2. Period (June 2022 to November 2022):


Sr. No	Particulars	Sub Particulars	Capital Cost (Rs. Lac.)
1	EHS facility & all Project Works	Pipe,pipe fittings, equipments, instrumentation & electrification, Civil Work	121.60
	Total		121.60 Lacs



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Annexure 17:

Amendment in CTO for increase in production capacity having CCA Amendment No. AWH-115888 granted by GPCB on 22nd November 2021. & Provisional CCA Valid up to 13/03/2027

	Provisional Consent Order (CCA) Consent No. AWH-120305 Valid upto: 13/03/2027	Gujarat Pollution Control Board Paryavaran Bhavan, Sector-10/ Gandhinagar - 382011 Tele : 2322271
Application : CTO:CCA-Renewal, No. 212810 Dt. 12/04/2022, Granted On: 22/07/2022		PCB Id:1514
<p>Besides streamlining and simplifying of regulatory regime, Gujarat Pollution Control Board has taken initiative in form of introduction Consolidated Consent and Authorization (CC&A) which provides for a one shot application and clearance of the consents under Water Act, Air Act and Authorization under Hazardous Wastes Rules for a period of 5 years.</p> <p>Board issues consolidated consent and Authorization to an industrial unit for operation of plant/carrying out industrial activity specifying following conditions.</p> <p>Consolidated Consent and Authorisation</p> <p>In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 3(c)& 5(5) of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules'2008 framed under the E(P) Act-1986.</p> <p>And whereas Board has received consolidated Application No.(CTO:CCA-Renewal) 212810 and Dated 12/04/2022 for the consolidated consent and authorization(CC&A) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.</p> <p>CONSENT AND AUTHORISATION : (under the provisions / rules of the aforesaid environmental acts)</p> <p>To, M/s. Gujarat Insecticides Limited, 805/806, City : Ankleshwar, Dist : Ankleshwar, Tal : Ankleshwar, SIDC : Ankleshwar Phone : 02646 222271</p> <p>1. Consent Order No: AWH-120305 Valid Upto: 13/03/2027</p> <p>2. All Conditions under the AIR ACT-1981 WATER ACT-1974 HAZARDOUS ACT-2008 shall be Applicable to you as mentioned in the detailed Consent Order *** Consented CETP: E.E.T.P (BELL) Consented TSDF: B.E.I.L., Ankleshwar [14983]</p> <p>3. GENERAL CONDITIONS :-</p> <p>a) This order is provisional order and detailed order is considered as final. b) All the conditions & provisions under the Water Act 1974, the Air Act 1981 and the Environment (Protection) Act - 1986 and the rules made there under shall be complied with *. c) All the conditions & provisions under the Hazardous Waste (Management, Handling and Trans boundary Movement) Rules 2008 as amended shall be complied d) The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification. e) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(A) during day time and 70dB(A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m. f) In case of change of ownership/management the name and address of the new owners/ partners/ directors/ proprietor or equipment or working conditions as mentioned in the consents form / order should immediately be intimated to the Board. g) Industry shall have to display data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emissions and solid hazardous wastes generated within the factory premises. h) The CCA shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board. i) Any unauthorized change in personnel, equipment or working conditions as mentioned in the CCA order by CCA holder shall constitute a breach of this CCA. j) Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is atleast 1000 trees per acre of land and a green belt of 5 meters width is developed. k) The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.</p> <p>*** Note : ACT-Specific, Industry-specific, Area-specific Conditions alongwith Product, Waste water effluent details shall be precisely mentioned in the DETAILED Consent Order.</p> <p>*** Note :This is only provisional communication. The final Consent/Authorization in hard copy with duly signed by competent authority shall be the final and valid Consent/Authorization.</p> <p>For and on behalf of Gujarat Pollution Control Board D. M. Thaker (Member Secretary)</p> <p>Printed On : 22/07/2022 Computer generated Order thru XGN, does NOT require Physical Signature</p>		



Six Monthly EC Compliance Report



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-115888

NO: GPCB/ANK/CCA-58(17)/ID-15141/

DT: ___/03/2022

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. 194808 dated 09/06/2021.
(2) CCA No. AWH - 85647 dated: 04/05/2017.
(3) CCA Amendment No. AWH -102778 dated: 26/08/2019.
(4) CCA Amendment No. AWH -108370 dated: 29/09/2020.

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
26/08/2019,29/09/2020 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	Production Capacity (MT/Year)			Remarks
		Existing	Proposed	Total	
Group 1					
1	Fenvalerate	100	--	100	Either combination of the Products
	Lambda cyhalothrin				
	Bifenthrin				
	Deltamethrin				
	Thiamethoxam				
	Buprofezin				
	Permethrin				
Group 2					
2	Quinalphos	2400	--	2400	• Either combination of the Products • Discontinued manufacturing Triazophos
	Triazophos *				
	Chlorpyrifos				
	Temephos				
	Methyl Chlorpyrifos				
	Profenophos				
Group 3					
3	Meta Phenoxxy Benzaldehyde (MPB) *	3600	2400	6000*	• Either

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Clean Gujarat Green Gujarat

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



Six Monthly EC Compliance Report

	Dichloro Phenol (DCP) *				combination of the Products
	Meta Phenoxy Benzaldehyde Acetal#		--		• *Total production of products shall not exceed 6000 MT/Year (MPB & DCP)
	Meta Phenoxy Benzaldehyde Alcohol#		--		• # Total production of products shall not exceed 3600 MT/Year (MPB Acetal & MPB Alcohol)
Group 4					
4	Indoxacarb*		1800		• Either or combination of the Products
	Tricyclazole *				• * Total production of products shall not exceed 2400 MT/Year (Indoxacarb, Tricyclazole, Hexaconazole, Propiconazole & Metalaxyl).
	Hexaconazole*				• # Total production of products shall not exceed 600 MT/Year (MPB Acetal & MPB Alcohol)
	Propiconazole *				
	Metalaxyl *				
	Meta Phenoxy Benzaldehyde Acetal#	600	--	2400*	
	Meta Phenoxy Benzaldehyde Alcohol#		--		
Group 5					
5	Diafenthiuron		--		• Total production shall not exceed 1200 MT/Year.
	Meta Phenoxy Benzaldehyde Acetal	600		600	• 600 MT/Year Diafenthiuron, MPB Acetal, MPB Alcohol & 600 MT/year Amino Pyrazole.
	Meta Phenoxy Benzaldehyde Alcohol				
	Amino Pyrazole	600		600	
Group 6					
6	Carbendazim *		900		• Either or combination of the Products
	Meta Phenoxy Benzaldehyde Acetal#	300	--	1200*	• * Total
	Meta Phenoxy Benzaldehyde		--		



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Fax : (079) 23232156
Website : www.gpcb.gov.in

	Alcohol#				production of product shall not exceed 1200 MT/Year (Carbendazim). • # Total production of products shall not exceed 300 MT/Year (MPB Acetal & MPB Alcohol)
Group 7					
7	Crude Pigment Violet – 23	300	300	600	Either or combination of the Products
	Poly Ether Ketone (PEK)				
	Poly Ether Ketone Ketone (PEKK)				
	Poly (2, 5 Benzamidazole) (ABPBI)				
	Polybenzoxazole (ABPBO)				
	Poly Ether Imide (PEI)				
Group 8					
8	N – Acetoacetyl Aminobenzimidazolone (NAA)	50	--	50	Either or combination of the Products
	Meta Phenoxy Benzaldehyde Acetal				
	Meta Phenoxy Benzaldehyde Alcohol				
	Meta Bromo Benzaldehyde				
Group 9					
9	Dicamba	--	3000	3000	--
Group 10					
10	Bromine Recovery	700	5590	6290	--
11	Formulation of Technical Product	5000 KL	--	5000 KL	--
12	Captive Power Plant – Gas Based#	0.945 MW	-0.945 MW	--	# Surrendering of existing Captive power plant (Gas based – 0.945 MW) as mentioned in CTE – 90532 dated 08.06.2018
13	Captive Power Plant – DG Set (1500 KVA)- Stand by	1500 KVA X 1	1500 KVA X 1	1500 KVA X 2	--

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2. Specific conditions:

- a) Total Production capacity shall be 23240 MT/Year after expansion.
- b) From above list of product unit shall start manufacturing product (1) Carbendazim (2) LamdaCyhalothrin (3) Dichloro Phenol & Methalaxyl (4) NAA & Diafenthuron agter submitting MoU, CCA and Rule-p of end users as Calcium Chloride (35%), Sodium Bisulphate (20-25%) and Ammonia solution.
- c) Unit shall comply with all the conditions stipulated by MoEF in the order of Environment Clearance issued vide letter no.IA-J-11011/3/2017-IA-II(I) dated: 29/08/2018.
- d) Unit shall use fresh raw material only.
- e) Unit shall sell out their hazardous waste to authorized endusers who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endusers and submit MoU.
- f) All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & there after it shall be disposed through other option.
- g) Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.
- h) Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline.
- i) Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.
- j) Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.
- k) Unit shall install online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH.

3. CONDITION UNDER THE WATER ACT:

- 3.1 The condition No. 3.3 for Water Consumption under Water Act of the CCA order No: **AWH-85647, issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431, dated 04/05/2017 and further amended dated 26/08/2019, 29/09/2020** is amended and shall now be read as under.

Water (Qty: KL/day)	Water consumption		
	Existing	Proposed	Total
Domestic	90	20	110
Industrial	1092	1318	2410
Gardening	40	10	50
Total	1222	1348	2570

- 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 and further amended dated 26/08/2019, 29/09/2020** is amended and shall now be read as under.



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Water (Qty: KL/day)	Wastewater Generation		
	Existing	Proposed	Total
Domestic	75	20	95
Industrial	904	428	1332
Total	979	448	1427

3.3 Mode of disposal of wastewater:

- Existing Industrial wastewater from Process (95 KL/Day), Boiler (216 KL/Day), Washing (411 KL/Day) and Cooling (28 KL/Day out of 80 KL/day) – Total 750 KL/Day is treated in ETP within premises and treated waste water (750 KL/Day) is being discharged into NCT pipeline.
- Existing remaining industrial wastewater from Process (102 KL/Day) along with additional 303 KLD, Total 405 KLD will be treated in ETP followed by MEE & RO.
- Effluent from Cooling tower blow down (105 KLD) & Boiler (72 KL/Day) will be treated RO.
- Treated waste water from ETP (405 KLD) along with RO Reject (52 KLD); Total 457 KLD will be treated in in-house MEE. MEE condensate (388 KL/Day) will be treated in RO. RO Permeated (513 KL/Day) will be reused in cooling tower.
- Domestic waste water (95 KL/day) will be treated in STP (Cap. 110 KL/day) & treated water will be utilized for green belt maintenance

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 and further amended dated 26/08/2019, 29/09/2020** is amended and shall now be read as under.

Sr. No.	Name of fuel	Quantity		
		Existing	Proposed	Total
1	Natural Gas OR HSD	75 NM3/hr OR 70 Liter/hr	--	75 NM3/hr OR 70 Liter/hr
2	Natural Gas	50 NM3/hr	--	50 NM3/hr
3	HSD	395 Liter/hr	350 Liter/hr	745 Liter/hr
4	Coal OR Briquette	1500 kg/hr OR 1500 kg/hr	--	1500 kg/hr OR 1500 kg/hr

- 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 and further amended dated 26/08/2019, 29/09/2020** is amended and shall now be read as under.

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Sr. No.	Stack Attached To	Stack Height (meter)	APCM	Pollutants	Permissible Limit
Existing					
1	Boiler (10 TPH)	30	ESP + Water-Alkali Scrubber	PM SO ₂ NO _x	150 mg/Nm ³ 100 ppm 50 ppm
2	Thermo pack TP-01 (Cap. 2 Lakh Kcal/hr)	15	--		
3	Thermo pack TP-02 (Cap. 2 Lakh Kcal/hr)	15			
4	Heiza Hot Oil Unit (Cap. 2 Lakh Kcal/hr)	30			
5	Hot Oil Unit (Cap. 2 Lakh Kcal/hr)	30			
6	D. G. Set (1500 KVA) -Stand By	33			
Additional					
7	Hot Oil Unit – 2 (Cap. 2 Lakh Kcal/hr)	30	--	PM SO ₂ NO _x	150 mg/Nm ³ 100 ppm 50 ppm
8	Hot Oil Unit – 3 (Cap. 2 Lakh Kcal/hr)	30			
9	CPP – DG Set (1500 KVA) – Stand by	33			

- 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** and further amended dated **26/08/2019, 29/09/2020** is amended and shall now be read as under.

Sr. No.	Process Vent Attached To	Vent Height (meter)	APCM	Pollutants	Permissible Limit
Existing					
1	Meta Phenoxy Benzaldehyde Plant (MPB Plant)	20	Water + Alkali Scrubber	Bromine HCl Cl ₂	2 mg/Nm ³ 20 mg/Nm ³ 9 mg/Nm ³



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2	Bromine Recover	20	Alkali Scrubber	HBr Bromine	30 mg/Nm ³ 2 mg/Nm ³
3	Profenphos Plant	20	Water + Alkali Scrubber	HBr Bromine	30 mg/Nm ³ 2 mg/Nm ³
4	Azole Plant (Hexaconazole)	20	Water + Alkali Scrubber	SO ₂ HCl	40 mg/Nm ³ 20 mg/Nm ³
5	Azole Plant (Metalaxyl)	20	Water + Alkali Scrubber	SO ₂ HCl	40 mg/Nm ³ 20 mg/Nm ³
6	Azole Plant (Diafenthuron/ Propiconazole)	20	Water + Alkali Scrubber	HCl HBr NH ₃	20 mg/Nm ³ 30 mg/Nm ³ 30 mg/Nm ³
Additional					
7	Dicamba Plant	20	Water + Caustic Scrubber	HCl	20 mg/Nm ³

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

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

- Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
 - 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.
- 4.6 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified in condition as above.
- 5 **CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016**
- 5.1 Unit shall comply with provisions of Hazardous & Other Wastes (Management & Transboundary Movement) Rules-2016.
- 5.2 The condition No. 6.2 under authorization for Hazardous & other wastes of the CCA order No: AWH-85647, issued vide letter no. GPCB/ ANK/ CCA-58(12)/ ID-15141/411431, dated 04/05/2017 and further amended dated 26/08/2019, 29/09/2020 is amended and shall now be read as under.

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Sr. No	Hazardous Waste	Cate.	Quantity (MT/Year)			Mode of Disposal
			Exis.	Prop.	Total	
1	Spent Solvent	Sch.-I 20.2	24	--	24	Collection, storage, transportation and disposal by sell out to actual an authorized user who is having authorization with valid CCA and Rule-9 permission to receive this waste after making MoU.
2	Distillation residues	Sch.-I 20.3	1986	1326	3312	Collection, storage, transportation and disposal by sent to CHWIF for incineration OR selling to M/s. Ultra tech cement Ltd. And M/s. Ambuja cement Ltd. for Co-processing.
3	Process waste sludge/ residue containing acids, toxic metals, organic compounds	Sch.-I 26.1	252	228	480	Collection, storage, transportation and disposal by sent to CHWIF for incineration OR selling to M/s. Ultra tech cement Ltd. And M/s. Ambuja cement Ltd. for Co-processing.
4	Process wastes OR residue	Sch.-I 29.1	360	3052.2	3412.2	Collection, storage, transportation and disposal by sent to CHWIF for incineration.
5	Sludge containing residue pesticides & Salt from MEE	Sch.-I 29.2	7550	18470	26020	Collection, storage, transportation and disposal by sent to common TSDF site.
6	Date-expired and off specification pesticides	Sch.-I 29.3	80	--	80	Collection, storage, transportation and disposal by sent to CHWIF for incineration.
7	Spent catalysts	Sch.-I 29.5	38	34	72	Collection, storage, transportation and disposal by sent to incinerator OR sell it to authorized re-refiners/ recyclers.

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8	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	Sch.-I 33.1	1079.08	--	1079.08	Collection, storage, transportation and disposal through authorized decontamination facility / recycler or reuse or send back to supplier or send it to common TSDF.
9	Oil and Grease skimming	Sch.-I 35.4	12	--	12	Collection, storage, transportation and disposal by sent to common TSDF site.
10	Spent carbon OR filter medium	Sch.-I 36.2	128	129	257	Collection, storage, transportation and disposal by 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	Sch.-I 5.1	36	--	36	Collection, storage, transportation, reuse in plant & machinery as lubricant or sell it to authorized re-refiners/ recycler or sent to CHWIF for incinerator.
12	Wastes OR residues containing oil	Sch.-I 5.2	12	--	12	Collection, storage, transportation, reuse in plant & machinery as lubricant or sell it to authorized re-refiners/ recycler or sent to CHWIF for incinerator.
13	Ammonia	Sch.-II A10	893	--	893	Collection, storage, transportation and disposal by sell out to actual an authorized user who is having authorization with valid CCA and Rule-9 permission to receive this waste after making MoU.
14	Halogen containing compounds which produce acidic vapours on	Sch.-II B10	7255	10201	17456	KCl Powder: Collection, storage, transportation and disposal by sell out to actual an authorized user who is having authorization with

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	contact with humid air OR water e. g. silicon tetrachloride , aluminium chloride, titanium tetrachloride					valid CCA and Rule-9 permission to receive this waste after making MoU.
15	Halogen containing compounds which produce acidic vapours on contact with humid air OR water e. g. silicon tetrachloride , aluminium chloride, titanium tetrachloride	Sch.-II B10	19469	20331	39800	Potassium Chloride Solution & Aluminium Chloride Solution: Collection, storage, transportation and disposal by sell out to actual an authorized user who is having authorization with valid CCA and Rule-9 permission to receive this waste after making MoU.
16	Inorganic acids	Sch.-II B15	17745	30705.3	48450.3	Spent Sulphuric Acid & Spent HCl: Collection, storage, transportation and disposal by sell out to actual an authorized user who is having authorization with valid CCA and Rule-9 permission to receive this waste after making MoU.
17	Calcium chloride (35%)	Sch.-II B10	1920	--	1920	Collection, storage, transportation and disposal by sell out to actual an authorized user who is having authorization with valid CCA and Rule-9 permission to receive this waste after making MoU.
18	Sodium bisulfate (20-25%)	Sch.-II B23	7930	258.5	8188.5	Collection, storage, transportation and disposal by sell out to actual an authorized user who is having



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						authorization with valid CCA and Rule-9 permission to receive this waste after making MoU.
19	Calcium Sulfate (92%)	-	600	--	600	Collection, storage, transportation and disposal by sell out to cement industry OR by disposal to common TSDF site approved by GPCB.
20	Fly ash	Sch.-I 37.2	1500	--	1500	Collection, storage & sell to brick manufacturer and/or cement industry.

6 All other conditions 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, 29/09/2020 will remain same.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(M.P. Solanki)
Dy. ENVIRONMENT ENGINEER

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Annexure 18

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


INDIA NON JUDICIAL
Government of Gujarat
Certificate of Stamp Duty


सत्यमेव जयते

Certificate No.	IN-GJ68329355023143S
Certificate issued Date	03-Feb-2020 12:22 PM
Account Reference	IMPACC (SV)/ g13043604/ ANKLESHWAR1/ GJ-BF
Unique Doc. Reference	SUBIN-GJGJ1304360476965166857267S
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

Standard Stamp
An electronic copy of this stamp certificate, generated on Govt. of Gujarat website, is valid for all purposes. It is not necessary to affix the stamp on the document.
For more information, see guidelines on the website.



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.



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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
M/s. Gujarat Insecticides Limited

R N Chhawsaria
(Factory Manager)



Party No.2
Shivam Cement Craft Company
for SHIVAM CEMENT CRAFT CO.

Mr. Janak Kotadia
Proprietor




MAHESH M. SARVAN
NOTARY
(Govt. of Gujarat) INDIA.
F-1, Indraprasth Complex,
Near Vijaya Bank, GBC, Ankleshwar-2.
Reg. No. NTR - 484 / 02, Mo. 98294 13243







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Annexure 19 Analysis report of Treated Effluent





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 – EFFLUENT

REPORT NO.: JUN22/170/10 (ULR- TC709922000013237E)

SAMPLE DETAILS	
1. Name & Address of Client: M/s. Gujarat Insecticides Limited, Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 – 170JN22EF01	5. Sample Collected By: Mr. Vimal
4. Sample Date: 29.06.2022	7. Analysis Completed on: 07.07.2022
6. Analysis commenced on: 02.07.2022	9. Discipline : Chemical
8. Reporting Date: 15.07.2022	11. Group : Pollution and Environment
10. Packing Condition & Quantity: Sealed ✓	13. Product: Waste Water
12. Sampling Location: ETP Outlet	15. Sample Received Date: 02.07.2022
14. Sampling Method: IS:3025 (Part 1)-1987	

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	pH		7.35	6.5 – 8.5	APHA 23 rd Edition 4500-H ⁺ B
2.	Temperature	°C	26	40	APHA 23 rd Edition 2550- B
3.	Colour	Pt CO	Light Red	100	APHA 23 rd Edition 2120 B
4.	Total Dissolved Solids	mg/L	9284	10000	APHA 23 rd Edition 2540 C
5.	Suspended Solids	mg/L	13	150	APHA 23 rd Edition 2540 D
6.	COD	mg/L	365	1000	APHA 23 rd Edition 5220 B
7.	BOD	mg/L	105	200	IS 3025 (Part 44) : 1993
8.	Oil & Grease	mg/L	<1	10	APHA 23 rd Edition 5520 B
9.	Phenolic Compound	mg/L	<0.02	5	APHA 23 rd Edition 5530 D
10.	Chlorides	mg/L	762	1000	APHA 23 rd Edition 4500 Cl B
11.	Sulphates	mg/L	892	1000	APHA 23 rd Edition 4500 SO ₄ E
12.	Ammonical Nitrogen	mg/L	7.60	50	IS 3025 (Part 34): 1986
13.	Sulphide	mg/L	<1	5	IS 3025 (Part - 29): 1986
14.	Fluoride	mg/L	2.49	15	APHA 23 rd Edition 4500 F-D
15.	Total Chromium	mg/L	<0.02	2	APHA 23 rd Edition 3500 Cr - B
16.	Hexavalent Chromium	mg/L	<0.02	0.1	APHA 23 rd Edition 3500 Cr - B
17.	Copper	mg/L	<0.03	3	APHA 23 rd Edition 3111 B
18.	Zinc	mg/L	<0.03	15	APHA 23 rd Edition 3111 B
19.	Nickel	mg/L	<0.02	3	APHA 23 rd Edition 3111 B
20.	Mercury	mg/L	<0.01	0.01	APHA 23 rd Edition 3112-B
21.	Lead	mg/L	<0.02	0.1	APHA 23 rd Edition 3111 B
22.	Arsenic	mg/L	<0.01	0.2	APHA 23 rd Edition 3500 As - B
23.	Cadmium	mg/L	<0.01	0.05	APHA 23 rd Edition 3111 B
24.	Selenium	mg/L	<0.01	0.05	APHA 23 rd Edition 3500 Se - C
25.	Manganese	mg/L	<0.02	2	APHA 23 rd Edition 3111 B
26.	Vanadium	mg/L	<0.002	0.2	APHA 23 rd Edition 3500 V - B
27.	Iron	mg/L	<0.05	3	APHA 23 rd Edition 3111 B
28.	Phosphate	mg/L	<0.02	5	APHA 23 rd Edition 4500 P - C
29.	Bio-Assay Test		Pass	90 % survival of fish after 96 hrs. at 100% concentration	IS 6582 (Part 2): 2001

Remark :

Authorised 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 15 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 - EFFLUENT		
DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.
Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT


LABORATORY TEST REPORT – EFFLUENT

REPORT NO.: JUN22/170/11

SAMPLE DETAILS	
1. Name & Address of Client: M/s. Gujarat Insecticides Limited, Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 – 170JN22EF01	5. Sample Collected By: Mr. Vimal
4. Sample Date: 29.06.2022	7. Analysis Completed on: 07.07.2022
6. Analysis commenced on: 02.07.2022	9. Discipline : Chemical
8. Reporting Date: 15.07.2022	11. Group : Pollution and Environment
10. Packing Condition & Quantity: Sealed ✓	13. Product: Waste Water
12. Sampling Location: ETP Outlet	15. Sample Received Date: 02.07.2022
14. Sampling Method: IS:3025 (Part 1)-1987	

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Cyanide	mg/L	<0.05	0.2	APHA: (4500 CN E) 23 rd Edition
2.	TKN	mg/L	7.87	50	APHA: (4500 N Org) 23 rd Edition
3.	Insecticides/Pesticides as Lindane		Absent	Absent	Gas Chromatography

Remark :

Authorised 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 15 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 - EFFLUENT		
DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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Analysis report of Treated Effluent




Six Monthly EC Compliance Report

Annexure 20

Analysis report of process and flue gas stack monitoring



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – STACK

REPORT NO.: JUN22/170/02 (ULR- TC709922000013232F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 – 170JN22SE02	5. Sampling Location: 36250 Boiler (10 TPH)
4. Sample Date: 28.06.2022	7. Sampling Duration: 20 Mins
6. Sampling Time: 12:00 hr	9. Analysis Completed on: 30.06.2022
8. Analysis commenced on: 30.06.2022	11. Discipline: Chemical
10. Reporting Date: 15.07.2022	13. Group: Atmospheric Pollution
12. Sample Collected By: Mr. Vimal	15. Product: Stack Emission
14. Sampling Procedure: IS Method	
16. Description of Sample: Sampling Bottles: Sealed ✓ Thimble: Packed ✓ Bladder: Clamped	
17. Sample Received Date: 30.06.2022	


STACK DETAILS

S. No.	Parameters	Unit (SI)	Description
1.	Source		36250 Boiler (10 TPH)
2.	Height	m	30
3.	Diameter	mm	-
4.	Temperature	°C	142
5.	Velocity	m/s	6.3
6.	Type of fuel used		Coal
7.	Quantity of fuel used	Kg/hr	1500

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Particulate Matter	mg/Nm ³	77	100	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO ₂)	ppm	70.16	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	3.08	50	IS 11255 (Part 7) : 2005

Remark:

Authorized By - 

Name : Bhavisha Pandya Designation : Sr.Chemist


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3) The results reported above relate to the sample identified under Sample Details.

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


TEST REPORT FORMAT - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
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Analysis report of Boiler Stack – 30.06.2022



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – STACK

REPORT NO.: OCT22/162/03 (ULR- TC709922000018715F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 – 162OC22SE03	5. Sampling Location: 36250 Boiler (10 TPH)
4. Sample Date: 23.09.2022	7. Sampling Duration: 20 Mins
6. Sampling Time: 11:30 hr	9. Analysis Completed on: 26.09.2022
8. Analysis commenced on: 26.09.2022	11. Discipline: Chemical
10. Reporting Date: 11.10.2022	13. Group: Atmospheric Pollution
12. Sample Collected By: Mr. Vimal	15. Product: Stack Emission
14. Sampling Procedure: IS Method	
16. Description of Sample: Sampling Bottles: Sealed ✓ Thimble: Packed ✓ Bladder: Clamped	
17. Sample Received Date: 26.09.2022	

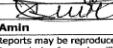
STACK DETAILS

S. No.	Parameters	Unit (SI)	Description
1.	Source		36250 Boiler (10 TPH)
2.	Height	m	30
3.	Diameter	mm	-
4.	Temperature	°C	148
5.	Velocity	m/s	6.3
6.	Type of fuel used		Coal
7.	Quantity of fuel used	Kg/hr	1500

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Particulate Matter	mg/Nm ³	83	100	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO ₂)	ppm	74.62	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	22.10	50	IS 11255 (Part 7) : 2005

Remark:

Authorized By - 

Name : Sapana Amin Designation : Lab Incharge

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


TEST REPORT FORMAT - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
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Analysis report of Boiler Stack – 26.09.2022




Six Monthly EC Compliance Report





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – STACK

REPORT NO.: JUN22/170/01 (ULR- TC709922000013231F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 – 170JN22SE01	5. Sampling Location: 60826 Thermic Fuel Heater
4. Sample Date: 28.06.2022	7. Sampling Duration: 20 Min.
6. Sampling Time: 12:25 hr	9. Analysis Completed on: 30.06.2022
8. Analysis commenced on: 30.06.2022	11. Discipline: Chemical
10. Reporting Date: 15.07.2022	13. Group: Atmospheric Pollution
12. Sample Collected By: Mr. Vimal	15. Product: Stack Emission
14. Sampling Procedure: IS Method	
16. Description of Sample: Sampling Bottles: Sealed ✓ Thimble: Packed ✓ Bladder: Clamped	
17. Sample Received Date: 30.06.2022	


STACK DETAILS

S. No.	Parameters	Unit (SI)	Description
1.	Source		60826 Thermic Fuel Heater
2.	Height	m	15
3.	Diameter	mm	-
4.	Temperature	°C	162
5.	Velocity	m/s	6.4
6.	Type of fuel used		Natural Gas
7.	Quantity of fuel used	Nm³/hr	25

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Particulate Matter	mg/Nm³	20	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO₂)	ppm	N.D.	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	2.69	50	IS 11255 (Part 7) :2005

Remark: N.D. – Not Detected.

Authorized By:  Designation: Sr.Chemist

Name: Bhavisha Pandya

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- 3) The results reported above relate to the sample identified under Sample Details.

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

DOC. NO.: LAB-FMT-052

Effective Date: 01.03.2021

Issue No.: 02


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Analysis report of Thermic Fuel Heater (60826) – 30.06.2022



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – STACK

REPORT NO.: OCT22/162/01 (ULR- TC709922000018713F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 – 162OC22SE01	5. Sampling Location: 60826 Thermic Fuel Heater
4. Sample Date: 24.09.2022	7. Sampling Duration: 20 Mins
6. Sampling Time: 14:00 hr	9. Analysis Completed on: 26.09.2022
8. Analysis commenced on: 26.09.2022	11. Discipline: Chemical
10. Reporting Date: 11.10.2022	13. Group: Atmospheric Pollution
12. Sample Collected By: Mr. Vimal	15. Product: Stack Emission
14. Sampling Procedure: IS Method	
16. Description of Sample: Sampling Bottles: Sealed ✓ Thimble: Packed ✓ Bladder: Clamped	
17. Sample Received Date: 26.09.2022	

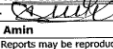
STACK DETAILS

S. No.	Parameters	Unit (SI)	Description
1.	Source		60826 Thermic Fuel Heater
2.	Height	m	15
3.	Diameter	mm	-
4.	Temperature	°C	148
5.	Velocity	m/s	6.3
6.	Type of fuel used		Natural Gas
7.	Quantity of fuel used	Nm³/hr	25

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Particulate Matter	mg/Nm³	18	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO₂)	ppm	N.D.	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	3.09	50	IS 11255 (Part 7) :2005

Remark: N.D. – Not Detected.

Authorized By:  Designation: Lab Incharge

Name: Sapana Amin

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- 3) The results reported above relate to the sample identified under Sample Details.

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

DOC. NO.: LAB-FMT-052

Effective Date: 01.03.2021

Issue No.: 02

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Revision No.: 03

Revision Date: 01.03.2021

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Analysis report of Thermic Fuel Heater (60826) – 26.09.2022



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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – STACK

REPORT NO.: OCT22/162/02 (ULR- TC709922000018714F)

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 – 162OC22SE02	5. Sampling Location: 9153 Thermic Fuel Heater
4. Sample Date: 23.09.2022	7. Sampling Duration: 20 Mins
6. Sampling Time: 14:25 hr	9. Analysis Completed on: 26.09.2022
8. Analysis commenced on: 26.09.2022	11. Discipline: Chemical
10. Reporting Date: 11.10.2022	13. Group: Atmospheric Pollution
12. Sample Collected By: Mr. Vimal	15. Product: Stack Emission
14. Sampling Procedure: IS Method	
16. Description of Sample: Sampling Bottles: Sealed ✓ Thimble: Packed ✓ Bladder: Clamped	
17. Sample Received Date: 26.09.2022	

STACK DETAILS

S. No.	Parameters	Unit (SI)	Description
1.	Source	:	9153 Thermic Fuel Heater
2.	Height	m	30
3.	Diameter	mm	-
4.	Temperature	°C	156
5.	Velocity	m/s	6.4
6.	Type of fuel used	:	Natural Gas
7.	Quantity of fuel used	Nm ³ /hr	25

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Particulate Matter	mg/Nm ³	15	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO ₂)	ppm	N.D.	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	2.88	50	IS 11255 (Part 7) : 2005

Remark: N.D. – Not Detected.

Authorized By - *[Signature]*

Name : Sapana Amin Designation : Lab Incharge

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 - 3) The results reported above relate to the sample identified under Sample Details.

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

TEST REPORT FORMAT - STACK

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Analysis report of Thermic Fuel Heater (9153) – 26.09.2022

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – STACK

REPORT NO.: JUN22/170/03

SAMPLE DETAILS

1. Name & Address of Client: M/s. Gujarat Insecticides Limited. Plot No. 805/806, G.I.D.C Estate, Ankleshwar, Bharuch-393002.	3. Client Representative: Mr. A.D. Joshi
2. Sample ID: 2252758246 – 1703N22SE03	5. Sampling Location: 36251 Gas Exits (Plant E)
4. Sample Date: 28.06.2022	7. Sampling Duration: 20 Mins
6. Sampling Time: 13:00 hr	9. Analysis Completed on: 30.06.2022
8. Analysis commenced on: 30.06.2022	11. Discipline: Chemical
10. Reporting Date: 15.07.2022	13. Group: Atmospheric Pollution
12. Sample Collected By: Mr. Vimal	15. Product: Stack Emission
14. Sampling Procedure: IS Method	
16. Description of Sample: Sampling Bottles: Sealed ✓ Thimble: Packed ✓ Bladder: Clamped	
17. Sample Received Date: 30.06.2022	

STACK DETAILS

S. No.	Parameters	Unit (SI)	Description
1.	Source	:	36251 Gas Exits (Plant E)
2.	Height	m	20
3.	Diameter	mm	-
4.	Temperature	°C	32
5.	Velocity	m/s	-
6.	Type of fuel used	:	N.A.
7.	Quantity of fuel used	:	N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	HBr	mg/Nm ³	N.D.	30	APHA 23rd Edition: 4500-Br B

Remark: N.D. – Not Detected.

Authorized By - *[Signature]*

Name : Bhavisha Paridya Designation : Sr.Chemist

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 - 3) The results reported above relate to the sample identified under Sample Details.

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

TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
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Analysis report of Process Vessel (Bromine Recovery) (36251)–30.06.22



Six Monthly EC Compliance Report

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – STACK

REPORT NO.: JUN22/170/04

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: 2252758246 – 170JN22SE04
3.	Client Representative: Mr. A.D. Joshi
4.	Sample Date: 28.06.2022
5.	Sampling Location: Profenophos Process Stack (Plant E)
6.	Sampling Time: 13:20 hr
7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 30.06.2022
9.	Analysis Completed on: 30.06.2022
10.	Reporting Date: 15.07.2022
11.	Discipline: Chemical
12.	Sample Collected By: Mr. Vimal
13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method
15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed ✓ Thimble: Packed Bladder: Clamped
17.	Sample Received Date: 30.06.2022

STACK DETAILS

S. No.	Parameters	Unit (SI)	Description
1.	Source	:	Profenophos Process Stack (Plant E)
2.	Height	m	-
3.	Diameter	mm	-
4.	Temperature	°C	34
5.	Velocity	m/s	-
6.	Type of fuel used	:	-
7.	Quantity of fuel used	:	-

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	HBr	mg/Nm ³	N.D.	30	APHA 23rd Edition: 4500-Br B
2.	Bromine	mg/Nm ³	N.D.	2	USEPA-Method 26A

Remark: N.D. - Not Detected.

Authorized By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

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3) The results reported above relate to the sample identified under Sample Details.

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

TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
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Analysis report Profenophos Process Stack (Plant E) – 30.06.2022



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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – STACK

REPORT NO.: JUN22/170/05(U.L.R- TC709922000013233F)

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: 2252758246 – 170JN22SE05
3.	Client Representative: Mr. A.D. Joshi
4.	Sample Date: 28.06.2022
5.	Sampling Location: Process Emission Vessel (Plant H)
6.	Sampling Time: 12:25 hr
7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 30.06.2022
9.	Analysis Completed on: 30.06.2022
10.	Reporting Date: 15.07.2022
11.	Discipline: Chemical
12.	Sample Collected By: Mr. Vimal
13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method
15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed ✓ Thimble: Packed Bladder: Clamped
17.	Sample Received Date: 30.06.2022

STACK DETAILS

S. No.	Parameters	Unit (SI)	Description
1.	Source	:	Process Emission Vessel (Plant H)
2.	Height	m	18
3.	Diameter	mm	-
4.	Temperature	°C	32
5.	Velocity	m/s	-
6.	Type of fuel used	:	N.A.
7.	Quantity of fuel used	:	N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	15.09	40	IS 5182 (Part 2) :2001
2.	CL ₂	mg/Nm ³	0.022	9	LAB-SOP-104

Remark: N.D. - Not Detected.

Authorized By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

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

TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
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Analysis report of Process Vessel Plant H – 30.06.2022



Photograph – 1

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



Photograph – 2

Static Double Earthing System



Six Monthly EC Compliance Report

Photograph – 3

Flame proof (ON/OFF) switch & Breather valve

Flame proof switch



Breather valve



Photograph- 04

Greenbelt View



Six Monthly EC Compliance Report

Greenbelt View



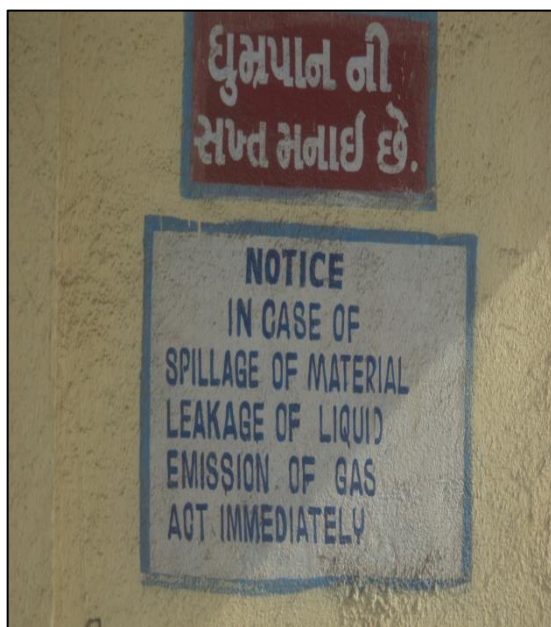
Six Monthly EC Compliance Report

Greenbelt View



Photograph- 05

Sign board



Photograph- 06

Rainwater Harvesting



Roof water collection system



Injection system to Dry borewell

Six Monthly EC Compliance Report

