

May 27, 2022

ENV/14/22/2705

Regional Officer

Ministry of Environment, Forest & Climate Change Aranya Bhavan Opp. St. Xaviers School, Near Ch-3 Circle Sector-10/A, Gandhinagar, Gujarat-382010

Sub: Compliance report for the period (April 2021 to September 2021)

Ref: Environmental Clearance no. J-11011/300/2015-IA II (I) dated

March 28, 2017 and its amendment dated February 21, 2018.

Dear Sir,

Enclosed is the compliance report of Environmental Clearance for the period (Oct 2021 to Mar 2022).

We hope you will find the same in order.

Thanking you,

Yours faithfully,

For Bayer Vapi Private Limited

(Formerly Bilag Industries Private Limited)

Narendra K Shah

Director & Site Manager

Encl: As Stated

CC:

- 1. Environment Engineer, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A Gandhinagar (GPCB ID:23225)
- 2. Zonal Officer, Central Pollution Control Board, Parivesh Bhawan, Opp-VMC ward office No.10, Subhanpura, Vadodara-390023

Bayer Vapi Private Limited (Formerly Bilag Industries Pvt. Ltd)

Registered Office & Factory Plot No. 306/3, II Phase, GIDC, Vapi – 396 195, Gujarat, India

Tel +91 260 2407123 Fax: +91 260 2432774 www.vapi.bayer.com www.bayer.in

BAYER VAPI PVT. LTD. EC No: J-11011/300/2015-IA.II (I) Compliance Status Report (Oct'2021 - Mar'2022) Sr. EC Compliance Status No. Conditions

A. SPECIFIC CONDITIONS

National Emission Standards for Pesticide Manufacturi and ng Formulation Industry issued by the Ministry vide G.S.R. 46(E) 3rd dated February, 2006 and amended time to time shall be followed by the unit.

The emission standard for pesticides industry was amended on June 13, 2011 which is being followed. Emission from incinerator stacks are monitored by MoEF&CC and NABL accredited laboratory on monthly basis. The monitored values of emission are as under:

Inclustration Stack (October 2021 - March 2022)									
			Inchese	ism Stack(t	permer 20	a Waren	(1)(2)		
Parameters	PM (mg/Nm ³)	HCl (mg/Nm³)	50) (mg/Nm³)	HF (mg/Nm³)	NØx (mg/Nm³)	C() (mg/Nim²)	TOE (mg/Nm3)	Total Dioxins & Furans (ng TEQ/Nm ³)	Sb+As+Pb+Cr+Co+ Cu+Mn+Nl+V and their compounds (mg/Nm³)
Month / Umb	50	20	200	4	400	100	20	0.1	1,5
0.0.74	29.42	3.12	20.44	0.84	38.36	10.31	ND	0.03	0.18 .
Novez	29.62	3.34	22.35	2.29	36.43	12.60	ND	-	-
pm-21	28.46	3.26	21.10	1.48	39.40	12.60	ND	0.02	0.2
Jan 21	30.42	3.22	21.08	1.14	37.81	11.46	ND	-	-
Feb 22	27.58	3.12	22.35	1.85	37.49	11.46	ND		-
May-22	27.58	3.12	22.20	1.83	37.40	11.46	ND	-	0.18
Max	30.42	3.34	22.35	2.29	39.40	12.60	0.00	0.03	0.20
Min	27.58	3.12	20.44	0.84	36.43	10.31	0.00	0.02	0.18

^{*} ND= Not Detected

Emission standard from process vent are monitored by MoEF&CC and NABL accredited laboratory on monthly basis. The monitored values of emission are as under:

	Emission From Process Vent (October 2021 - Warch 2072)										
Parameters	SO ₂ (mg/Nm3)	HCI (mg/Nm3)	Cl ₂ (mg/Nm3)	HBr (mg/Nm3)							
Month / Limit	40	20	9	5							
Oct-21	21.99	7.98	3.75	3.34							
Nov-21	18.73	6.62	4.14	2.76							
Dec-21	19.74	6.77	3.66	-							
Jan-22	22.56	7.63	4.07	3.22							
Feb-22	18.15	6.81	4.22	3.46							
Mar-22	19.91	7.00	-	2.86							
Max	22.56	7.98	4.22	3.46							
Min	18.15	6.62	3.66	2.76							

Emission standard from effluent are monitored by MoEF&CC and NABL accredited laboratory on monthly basis. The monitored values of emission are as under:

							(Trans II)	a fûpolar	Mile la	(202)							
Parameters	Arma je Elf Lunt Discharged to CETP (ICLD)	þł	135 (=4))	() & Granz (Ing/)	Phenoid Compounds (mg/l)	Cyarldes (rep/l)	Anerk (ng/)	Copper [mg/L]	Mercery (rsyl.)	(6)) (7)	lik (ngA)	800 (5 days @ 2070) (mgA)	COO (mg/l)	Cheriles (m/l)	Sapanes (ng/k)	Ten) Disched Sold Ingl)	BolsayTat K
host fast	lä.	65-85	10)	14	-	0.2	Ē	1	E	5	1	Ŋ	160	0)	200		Os urnal d'Adrès Skops o 1005 per le
640)	\$55.00	7.39	2100	HO	ND	KD	Ю	110	KO	008	NO	17.00	8200	470.00	256.00	1779 M I	90% survival of fish after Schours in 200% sample
86+21	489.00	7.14	17.00	Ю	Ю	HD	160	КО	но	0.09	ND	15.00	77.00	449.00	189.00	1956 (1)	90% survival of lich alter 95 hours in 100% sample
tett	524,00	688	25.00	НО	KO	110	ЫĐ	Ю	НО	0.09	Ю	13.20	64.00	44200	163.00	1934.00	90% survival of lish after % hours in 100% sample
ln Z	45100	7.19	1800	ND	NO	ND	10	Ю	HO	0.10	KO	15.00	79.00	428,00	156.00	189200	90% survival of lish after 96 hours in 100% sample
16.22	49.00	7.28	29.00	NO NO	10	HD	но	жо	KD	0.09	HO.	16.20	8200	406.00	140,00	173800	nsk faith leinne KCC algnes KOOL ni sruod 36
He-Z	4500	7.36	15,00	КО	KO	ND	as	НО	HD	0.08	НО	1400	75.00	465.00	135.00	1664.00	90% survival of fish after 95 hours in 100% sample
Var	556.00	7,39	29.00	000	000	0.00	0.00	0,00	0.00	Q 10	0.00	17.00	8200	470.00	256.00	195600	
Min	433	1	15	0	0	0	0	0	0	0	0	13	64	406	135	1664	

^{*} ND= Not Detected

The effluent generated from Incinerator Scrubber is being treated in Evaporators. We have separate storm water and drainage network at site. There is no floor washing or scrubber water mixing with storm water since all wastewater from plant is transferred to ETP / WWPT through closed pipelines.

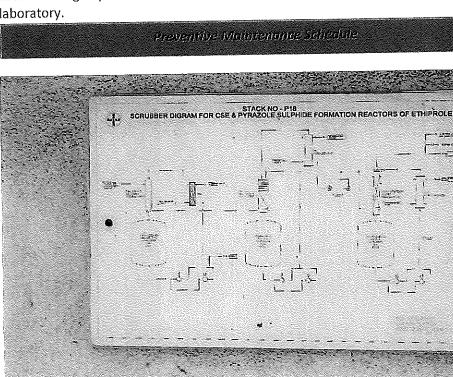
Adequate
stack height
shall be
provided to
gas fired
boiler to
control
particulate
emissions.

3

Site has provided adequate stack height for wide dispersion of stack emission. We are using Natural gas as a clean fuel in boiler. Emission from gas fired boilers are monitored by MoEF&CC and NABL accredited laboratory on monthly basis. The monitored values of emission are as under:

Emission From Boiler stack								
Parameters	PIM (mg/Nm3)	SO ₂ (ppm)	NOX (ppm)					
Montily/Limit	150	100	50					
Oct-21	ND	3.76	30.44					
Nov-21	ND	3.84	30.16					
Bec 21	ND	3.84	33.03					
Jan-22	ND	3.95	29.03					
Feb-22	ND	3.84	33.56					
Mar-22	ND	3.91	32.74					
Max	ND	3.95	33.56					
Min	ND ND	3.76	29.03					

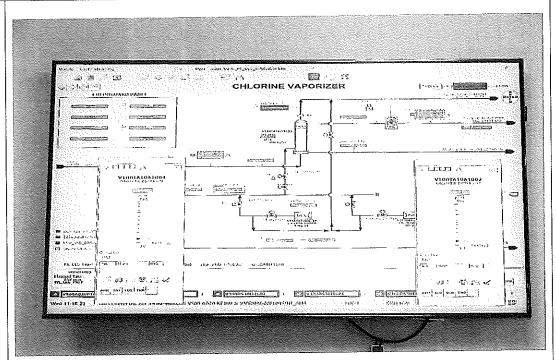
- * ND= Not Detected
- 1.Two stage scrubbers are provided to control process emissions from process vents. Online pH meter is provided in scrubbing system.
- 2. Scrubber water is treated in Evaporator followed by Effluent Treatment Plant.
- 3. Efficiency of scrubber is being monitored by measuring outlet emission and maintaining concentration of scrubber solution. The online detection alarm system and interlock with pollution control equipment has been provided for HCl and Cl2.
- 4. Monitoring of process vent and stack is carried out by MoEF&CC and NABL accredited laboratory.

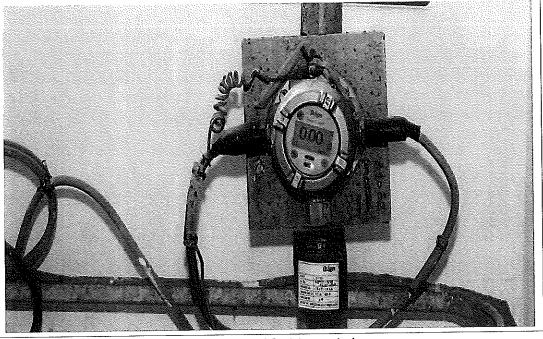


Two stage water scrubber followed by alkali scrubber shall be provided to process vent to control process emissions viz. HCl, SO2, Cl2, NOx, HBr. The scrubbed water should be sent to ETP for further treatment. Efficiency of scrubber shall be monitored regularly

and

maintained properly. Scrubbers vent shall be provided with online detection and alarm system to indicate higher than permissible value of controlled parameters. At no time, the emission levels shall go beyond the prescribed standards. The system should be interlocked with the pollution control equipment so that in case of any increase in pollutants beyond permissible limits, plant should be automaticall y stopped.





y stopped.

In plant
control
measures
for checking
fugitive
emissions
from all the
vulnerable

sources shall

The following measures are taken to control fugitive emission:

- 1. Closed charging system
- 2. Double mechanical seal / magnetic seal less pumps are used for solvent transfer
- 3. Installed 20 mbar nitrogen blanketing system
- 4. Vent of entire plant storage vessels, reactors, condensers, and any other equipment are connected to a common header
- 5. Work area monitoring carried out regularly for various chemicals used at site

Since coal is not used, so water sprinkler system is not required.

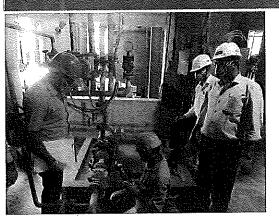
be provided. **Fugitive** emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/m aterials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. **Fugitive** emissions in the work zone environment , product, raw materials storage area etc. shall be regularly monitored and records maintained.

- 11)yea Montoring Details 5: 2020 - Mar 2022)				
5 ₇ No.	Location Name	Parameters	Unlt	Results	Umit	Method of Mesurment
1	Sample - 12 : EPRO -0 mtr. Tank Farm Area	Acetic Acid	ppm	Not Detected	15(STEL)	NIOSH - 1603
2	Sample - 16: MICO (Ground Floor) ST 461 Tank (Reactor	Acetic Acid	ppm	Not Detected	15(STEL)	NIOSH 1603
3	Tank) Sample - 28 : Cyfo (1st Floor) ANF 1193	Acetic Acid	ppm	Not Detected	15(STEL)	NIOSH – 1603
4	Sample - 1 : CMA Plant - 28 mtr.	Acrylonitrile - CAN	ppm	Not Detected	60 (STEL)	NIOSH 1606
5	HICO -I (2nd Floor) T-501 to MV-501	Bromine (Br2)	ppm	Not Detected	0.3 (STEL)	NIOSH 6011
6	Sample - 5 : CMA Plant - 24 mtr.	Carbon tetrachloride	ppm	Not Detected	25 (STEL)	NIOSH - 1003
7	Sample - 10 : EPRO -28 mtr. Nr. Caustic Storage Tank	CAUSTIC SODA	mg/m3	Not Detected	2 (STEL)	NIOSH - 7401
8	Sample - 6 : CMA Plant - Tank Farm (Ground Floor)	CAUSTIC SODA	mg/m3	Not Detected	2 (STEL)	NIOSH - 7401
9	Sample - 39 : Incinerator (Ground Floor) Nr. Scrubber Area	CAUSTIC SODA	mg/m3	Not Detected	2 (STEL)	NIOSH - 7401
10	Sample - 11 : EPRO -0 mtr. Chlorine Room	Chlorine	ppm	Not Detected	1 (STEL)	NIOSH - 6011
11	Sample - 32 : (EFSO 3rd Floor) MV-342	Ethanol	ppm	5.6	1000 (TWA)	NIOSH - 1400
12	Sample - 13 : EPRO -0 mtr. Tank Farm Area	H2O2	mg/m3	Not Detected	Not Specified	50P BASED ON TITRATION METHOD
13	Sample - 19 : WWPT (2nd Floor R-1208)	H2O2	mg/m3	Not Detected	Not Specified	SOP BASED ON TITRATION METHOD
14	Sample - 14 : EPRO -0 mtr. Tank Farm Area	Hydrogen Chloride (HCI)	mg/m3	Not Detected	7 (TWA)	NIOSH - 7907
15	Sample - 3 : CMA Plant - 32 mtr.	Hydrogen Chloride (HCl)	mg/m3	Not Detected	7 (TWA)	NIOSH 7907
16	Sample - 17 : MICO (Ground Floor) T 470A (HCl Reactor Tank)	Hydrogen Chloride (HCl)	mg/m3	Not Detected	7 (TWA)	NIOSH - 7907
17	Sample - 18: ETP RO Plant (At RO Plant) Dasing Tank	Hydrogen Chloride (HCI)	mg/m3	0.58	7 (TWA)	NIOSH - 7907
18	Sample - 23 : HICO -I (Ground Floor) DT-502	Hydrogen Chloride (HCl)	mg/m3	Not Detected	7 (TWA)	NIOSH 7907
19	Sample - 29 : TECO (1st Floor) R-105	Hydrogen Chloride (HCl)	mg/m3	Not Detected	7 (TWA)	NIOSH - 7907
20	Sample - 31 : (EFSO 3rd Floor) MV-341	Hydrogen Chloride (HCl)	mg/m3	Not Detected	7 (TWA)	NIOSH 7907
21	Sample - 9 : NaCMTS Plant (3rd Floor)	Methanol	ppm	2,8	250 (STEL)	NIOSH - 2000
22	Sample - 24 : HICO -! (Ground Floor)	Methanol	ppm	1.8	250 (STEL)	NIOSH - 2000
23	Sample - 33 : (EFSO 2nd Floor) T-352C	Methanol	ppm	0,8	250 (STEL)	NIOSH 2000
24	Sample - 37 : HICO -II (Ground Floor) T-555C	Methanol	ppm	1.2	250 (STEL)	NIOSH - 2000
25	Sample - 40 : GF Lab (2nd Floor)	Methanol	ppm	0.7	250 (STEL)	NIOSH 2000
26	Monachloro Benzene	Monochloro Benzene	ppm	1.3	75 (STEL)	NIOSH - 1003
27	Sample - 20 : Energy (Utility-1) Grond Floor Nr. Compressor	Ammonia (NH3)	ppm	1.8	35 (STEL)	NIOSH - 6015
28	Sample - 30 : Energy (Utility) HICO Nr. PHE NH3 Receiver	Ammonia (NH3)	ppm	1,6	35 (STEL)	NIOSH - 6015
29	Sample - 34 : (EFSO 2nd Floor) R-371	Phenol	ppm	Not Detected	15,6 (STEL)	NIOSH - 2546
30	Sample - 4 : CMA Plant - 24 mtr.	Sulfur Dioxide (SO2)	ppm	0.64	5 (STEL)	OSHA ID 104
31	Sample - 15 : DIBO 1st Floor (Nr. CF 681A)	Sulfur Dioxide (SO2)	ppm	0,92	5 (STEL)	OSHA ID 104
32	Sample - 2 : CMA Plant - 32 mtr.	Sulfuric Acid	mg/m3	Not Detected	1 (TWA)	NIOSH - 7908
33	Sample - 22 : HICO -l (Ground Floor) DT-505	Sulfuric Acid	mg/m3	Not Detected	1 (TWA)	NIOSH 7908
34	Sample - 38 : HICO -II (2nd Floor) R-556N	Sulfuric Acid	mg/m3	Not Detected	i (TWA)	NIOSH - 7908
35	Sample - 25 : HICO -l (Ground Floor) ET 501	Toluene	ppm	0,42	150 (STEL)	NIOSH 1501
36	Sample - 27 : Cyfo (Ground Floor) DT 1161	Toluene	þþm	0.5	150 (STEL)	NIOSH - 1501
37	Sample - 36 : (EFSO Ground Floor) DT-301	Toluene	ppm	0.56	150 (STEL)	NIOSH ~ 1501
38	Sample - 7: Workshop AIR Engineering	Welding Fumes	mg/m3	Not Detected	5 (TWA)	OSHA ID 125G
39	Sample - 8 : Engineering Workshop	Welding Furnes	mg/m	Not Detected	5 (TWA)	OSHA ID 125G

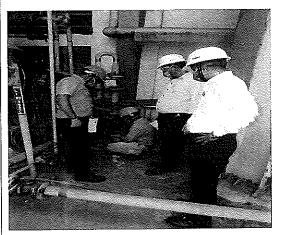
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A proper Leak Detection and Repair (LDAR) Program for pesticide industry shall be prepared and implemente d as per CPCB guidelines. Focus shall be given for prevention of fugitive emissions for which preventive maintenanc e of pumps, valves, pipelines are required. Proper maintenanc e of mechanical seals of pumps and valves shall be given. A preventive maintenanc e schedule for each unit shall be prepared and adhered to.

LDAR Study









Si No	P&IDNo	Rev. No	PR Device No.	Unique ID	Results (ppm)
1	BVPL/06/PID/03	E7	SRV-DT1163	SRV-DT1163	0.0
2	BVPL/06/PID/05	E7	SRV-DT1162	SRV-DT1162	0.0
3	BVPL/06/PID/06	E7	SRV-ANF1193	SRV-ANF1193	0.2
4	BVPL/06/PID/06	E7	SRV-ANF1191	SRV-ANF1191	0.3
5	BVPL/06/PID/08	E7	SRV-R1152	SRV-R1152	0.0
6	BVPL/06/PID/08	E7	SRV-DT1171	SRV-DT1171	0.0
7	BVPL/06/PID/08	E7	SRV-ANF1154	SRV-ANF1154	0.2
8	BVPL/06/PID/11	E7	SRV-DT1152	SRV-DT1152	0.0
9	EVPLYTH PIOTE	E5	SRV-LRVPFFE1171	SRV- LRVPFFE1171	0.2
10	BVPL/14/PID/14E	E5	SRV-TLRVPR1153	SRV- TLRVPR1153	0.2
11	BVPL/14/PID/14F	E5	SRV- TLRVPANF1193	SRV- TLRVPANF1193	0.0
12	PVF4//06/PHD/17	E7	SRV-ANF1192	SRV-ANF1192	0.2
13	EMPLADS/IND/17	E7	SRV-ANF1194	SRV-ANF1194	0.3
14	BVPL/06/PID/20	E7	SRV-ANF1195	SRV-ANF1195	0.2
15	BVPL/06/PID/20	E7	SRV-ANF1196	SRV-ANF1196	0.3

6 Company
shall take all
the
measures in
order to
protect the
machineries
and
equipment
for pesticide
producing
unit from
ageing.

- 1. Regular maintenance of pesticide producing machineries and equipment are carried out
- 2. Testing of all vessels / rectors are carried out by competent person at defined frequency.

3. Equipment are selected based on process requirement.

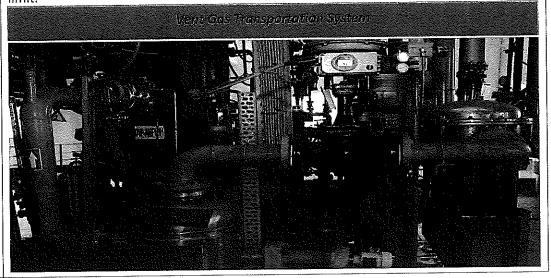
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	il Number Planned Date	Cell Status Functional Location Description of functional location	Gr. PG
1	16 03,08,2022	Scheduled Called (Methierance plan work order) VAPETPI-ADDI-ZS10-PA120 ANTO 1814 EFFLUENT TRANSFER OF INTO 1	1 MM1
20 ∯ 213	B 05.06.2022	Scheduled Hold (Methianance plan work order) VAPETP 1-A011-Will 10-PA140 JEQUO3831 EFFLUENT TRANSFER EQUO3 C	AG 1 MM1
519	8 97.06.2022	Scheduled (Matchengace plan work order) VAPETP1-A001-CL10-GA140 GBPR03818 GEAR BOX FOR PRIOS	1 MUA2
785	1111 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Scheduledkiki (Mathematice plan work order) VAPETP1-A012-DF10-GA110 GBTHK01820A GEAR BOX FOR THK01	1 KUA2
440	5 11.05.2022	Scheduledfold (Makrienance plan work order) VAPETP1-A001-FA10-PA270 PA270 SCREW SQUEEZING PUMP FOR NEW	FP 1 MM1
44V 504	13 12.06.2022	SchooledHold (Mehlenerka plan work order) YAPETPT-A00T-AXTO-CES40 ROBOZAA RO MODULE OF PLANT B	1 34441
522	6	ScheduledHold (Maintenance plan work order) VAPETP1-ACCI-RATO-RATO R809A LIME SOLUTION REACTOR	1 1011
409	7 13.05.2022	ScheduledHold (Malplanerice plan work order) VAPETP1-A001-AX10-PAN10 JR0601A BOOSTER PUMP OF PLANT A	1 MM1
355 410	7	Scheduled Hold (Maintenance plan work order) VAPETP1-A001-AX10-PAA20 JR0601B SOOSTER PUMP OF PLANT C	1 MMS
B30		Scheduled Hold (Maintenance plan troot order) VAPETP1-M01-LEI0-OT130 MOBLW813 MOTOR FOR BLOWER BLW813	i MME
514	13 15.05.2022	SchaduledHold (Mainlanance plan work order) VAPETP1-A001-AX10-AF230 FST812A CARTRIDGE FETER OF PLANT A	1 1411
515	100 10 100 100 100	School and Hold (Maintenance plan work order) VAPETPI-A001-AX10-AF240 FST812B CARTRIDGE FETER OF PLANT C	1 1441
516	13	ScheduledHold (Mainlacence plan work order) VAPETP1-A001-AX10-AF250 FSJRO802A CARTREOGE FILTER OF PLANT	9 1 MUT
517	5 5 5 13 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Schooledfield (Mainlenance plan work order) VAPETP1-A001-AX10-AP260 FSJR0602B CARTRIDGE FILTER OF PLANT	D 1 KKI
435	7 17.06.2022	ScheduledHold (Meinlenence plan work order) VAPETP1-A001-AX10-PAN70 JT817A COMMON PERHEATE OF PLANT A	i Miki
1768	7 20.05.2022	SchedulodHold (Maintenance plan work order) VAPETP1-A011-HK10-GA170 GBSST0282AA GEAR BOX FOR SST02	1 1442
1769	7	ScheduledHold (Malnienance plan work order) VAPETP1-A011-HK10-GA180 GBSST02824B GEAR BOX FOR SST02	1 MM2
1770	anai <mark>,</mark> saatas	ScheduledHold (Halalanance plan Work order) VAPETP1-AD11-HX10-QA190 GESST02824C GEAR BOX FOR SST02	1 MH2
1866	10 22.06.2022	Scheduledhold (Michienance plan work order) VAPETP1-AD014.E10-VE130 BLW813 AIR COMPRESSOR FOR BXXX6	f MAS
682	7 24.06.2022	Scheduled (Marienerce plan work order) VAPETP1-ADD1-FA1D-FF140 FP601 FLTER PRESS	1 KM
1407 1407	7 26,08.2022	Scheduled Hold (Maintenance plan work order) VAPETP I-AD11-NKIO-PAZZO ISSTOZRO1 RO FEED PULIP OF 5ST02	1 NM1
1684	7 27,08,2022	ScheduledHold (Mainlenence plan work order) VAPETP:-AD11-RA10-OT110 MOSARSO1 MOTOR FOR AERATOR	1 XIAE
2000 and decrease of the contract of the contr	7 28 06 2022	Const lactivity (Alabaharana alan umb codes) VERFTD1_EA11_REIGTIN LIGGEREAD LIGTOR FOR LEREYOR	.1 .NUF
A STATE OF THE STATE			

Continuous monitoring system for chlorine, HCl, Cl2 as well as VOCs shall be installed at all important places/areas . Effective measures shall be taken immediately , when monitoring results indicate

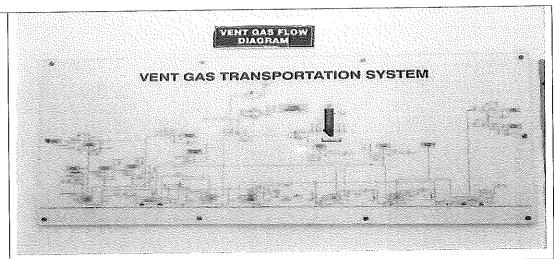
above the

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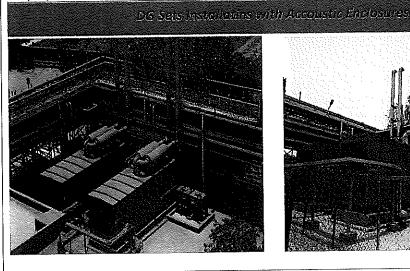
- 1. 203 Nos. detectors installed across the plant to monitor any leakage of HC.
- 2. The HC monitoring is being carried out regularly. Four Cl2 sensors / detectors have been provided in the Cl2 storage area for continuous monitoring of Cl2 leakage if any. The sensor is designed to trigger and blow critical alarm in DCS above the permissible limit.

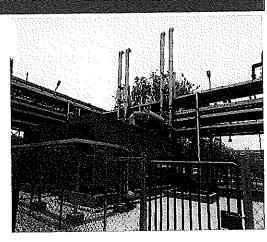


permissible limits. Alarm for chlorine leakage if any in the liquid chlorine storage area is provided along with automatic start of the scrubbing system.



- The gaseous 8. emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets
- 1. Site has provided adequate stack height to control gaseous emissions from DG.
- 2. DG sets are installed as per CPCB guideline.
- 3. As a precautionary measure, adequate PPEs like ear plug / earmuff is provided to employee at the entry point of DG house.





Solvent managemen t shall be carried out as follows: 1. Chilled brine circulation system shall be provided condensate solvent vapors and

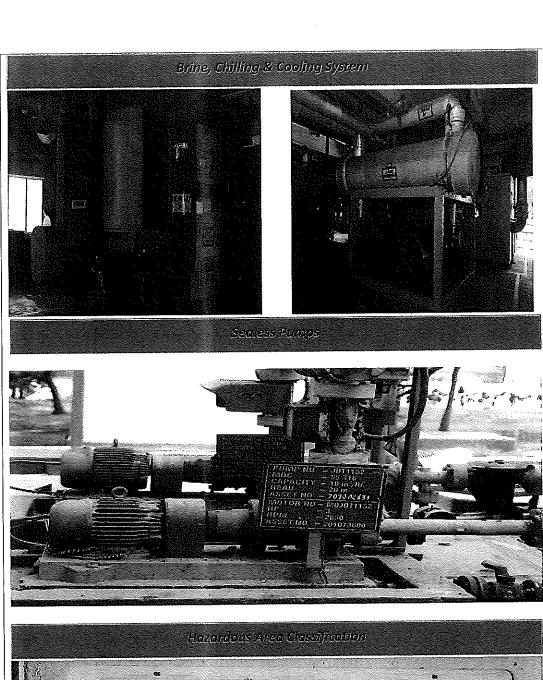
reduce

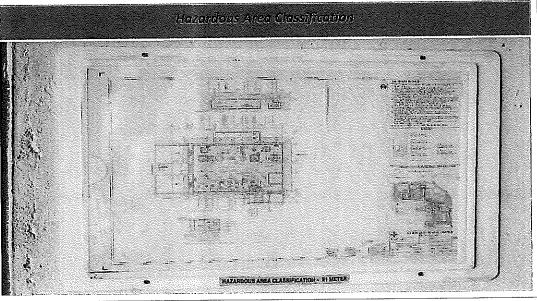
to mitigate the noise pollution.

9

- 1. Reactors and condensers are connected with necessary cooling system like brine, chilling, cooling water etc.
- 2. Magnetic seal less / double mechanical seal centrifugal pumps are provided for solvent handling.
- 3. To achieve desired recovery, efficient condensers have been installed after calculating required HTA.
- 4. Solvents are stored in storage tank as per PESO & site-specific process & plant safety guideline. The solvent tanks are equipped with breather valve, sprinkler system, nitrogen blanketing etc.
- 5. Proper earthing has been provided to all equipment and regular inspections are done to maintain continuity.
- 6. Hazardous area classification has been carried at site and equipment are selected based on zone.

solvent losses. It shall be ensured that solvent recovery should not be less than 95%. 2. Reactor and solvent handling pump shall have mechanical seals to prevent leakages. 3. The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery 4. Solvents shall be stored in a separate space specified with all safety measures. 5. Proper earthling shall be provided in all the electrical equipment wherever





	solvent						
	handling is						
	done.						
	6. Entire						
	plant shall						
	be flame						
	proof. The						
	solvent						
	storage						
	tanks should						
	be provided						
	with						
	breather						
	valve to						
i .	prevent						
<u> </u>	losses.			1.*			
10	Total water	Last six mo	nths water consun				
	requirement				resemption		
	from GIDC			(Crain Sier/202)	Marith 2022)		
	water supply		Average			Conne	etion
	shall not	Month/	Consumption		ection	268	
	exceed 2900	Limit	(In KL/Day)	26	610	200	07
	m3/day and		2883	initial	Final	initial	Final
	prior	Ora-21	1432	6625822	6666973	82302	85533
	permission	Nov-21	1283	6666973	6703105	85533	87895
	should be	Det-21	1313	6703105	6740756	87895	90935
	obtained	Jan-22	1449	6740756	6782500	90935	94120
	from the	Feb-22	1563	6782500	6823288	94120	97082
	Competent	Mar-22	1682	6823288	6871649	97082	100851
	authority.	Mairez	1002	0023286	1 00,10.5		
			water is segregated	I be and on COI	TDC and DOD	/ COD ratio Th	no wastowater
11	Industrial				J, TDS and BOD	/ COD Tado. III	ie wastewater
	effluent	generation	n philosophy is as u				
	generation	SWJNIS		Objection and Company of the Company			PARTITION OF THE PARTITION
	shall not	1	High COD High Tip!	and Valatile o	omponent		followed by
	exceed 900	7				the state of the s	ator and ETP or followed by
	m3/day. As	2	Low COD High TDS			Lvaporac	ETP
	proposed,		The state of the s			le c	inerator
	wastewater	3	High COD Low TDS			HIG	merator
	will be	4	Medium COD Med	lium TDS		F	enton
	segregated		Action 1				
	at source	5	Low COD Low TDS	and BOD / COD) ratio>0.4		ETP
	and treated	Final efflu	ent discharge is be	ing monitored	daily for pH, CO	D, BOD, TSS, N	H3-N. Online
İ	based on its	analysaris	provided at the di	scharge point	of treated efflue	ent. The analyze	er is connected
	characteristi	with GDCB	/ CPCB server for	transferring on	iline data. The a	uto shut off va	lve provided at
	cs viz High	the discha	rge point of treate	d effluent ston	s the discharge	incase of excee	edance of
	COD & High	parameter				Ü	
	TDS and Low	Parameter	J.				
1		1					

COD & Low
TDS. High
COD & High
TDS
effluents will
be sent to
MEE
followed by
RO while
Low COD &
Low TDS
effluents wil
be treated in
ETP
followed by
RO. The
treated
wastewater
shall be
discharged
to Common
Effluent
Treatment
Plant (CETP)
for final
treatment.

		Details of RO	
RO No.	Capacity in m3/Day	Permeate Use	System Recovery
RO 1	200	Reuse in process /	80%
RO 2	200	cooling tower make up	3070

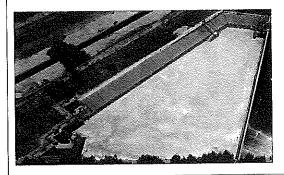
RO Plants



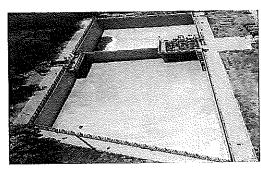
12 Process
effluent /
any
wastewater
shall not be
allowed to
mix with
storm water.
Storm water
drain shall
be passed
through

Site has separate collection system for effluent and storm water. The capacity of guard ponds are 3000 Kl & 1800 Kl respectively. $1^{\rm st}$ shower of monsoon is treated in ETP and then discharged into creek. Regular pH monitoring of storm water is carried out.

Starm Water Retention Pend







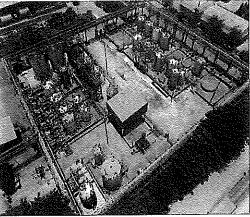
Hazardous chemicals shall be stored in tanks in tank farms,

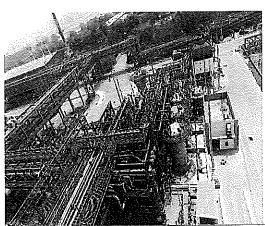
guard pond.

- 1. All hazardous chemicals are stored in tanks.
- 2. Adequate number of flame arrestor have been provided.
- 3. Double mechanical seal / seal less pumps are used for solvent transfer.

drums, carboys etc. Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps.

Hazardous Chemicals Storage Area





14 The byproducts which fall under the purview of the

Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said Rules.

The site has authorization for collection, storage and disposal of by-products falling under the Hazardous Waste (Management, Handling and Trans- Boundary Movement) Rules, 2016 valid up to September 30, 2021.

	ashes Disposal Details 1821 - Wanch 2022)
Wastes	Under Rule 9 (MT)
Month / Limit	33223
Det-21	314.570
Nov-21	244.880
Dec-21	336.130
Jan-22	685.192
Feb-22	799.950
Mar-22	774.540

company shall obtain n for collection,

The

15

Authorizatio storage and disposal of hazardous waste under the Hazardous

Waste

(Manageme

- 1. The site has authorization for collection, storage and disposal of hazardous waste under The Hazardous Waste (Management, Handling and Trans - Boundary Movement) Rules, 2016 valid up to September 30, 2021.
- 2. Following measures are taken by site for firefighting in case of emergency:
- 24 X 7 availability of trained fire fighter
- Fire Hydrant system
- Sprinkler System
- Hazmat Foam system for blanketing solvent
- Full-fledged Emergency Control Center and 03 nos. of fire tenders
- Fire water storage tank of 3000 KI
- 3. Site has valid membership of TSDF operated by Saurasthra Enviro Projects Pvt Ltd. (SEPPL); Vapi Green Enviro Limited (formerly Known as Vapi waste & Effluent Mgt. Co. Ltd); Recycling Solutions Pvt. Ltd. (RSPL), Detox India Private Limited (DIPL) and Geohybrid Industrial Solutions Private limited for disposal of hazardous waste.

nt, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for managemen t of Hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.

			Wastes Disposal I Przyza – Marchizo		
Wastes	Internal	Incinerable External	Pre-processing	Authorized Vendor (MT)	tandfillable (MT)
Month / Limit	Wite-May	9167.	1	641	14696
Oct-21	0.000	563.950	0.000	0.000	1394.800
Nov-21	258.087	209.766	0.000	6.320	3412.930
Dec-21	191.304	372.230	0.000	24.520	1675.790
Jan-22	94.775	466.762	45.120	7.560	1175.960
Feb-22	375.904	91.670	181.150	3.650	785.720
Mar-22	144.957	113.514	335.700	0,000	1013.270

Fire lighting Systems

16 ETP sludge, inorganic waste shall be sent to TSDF site. High calorific value waste such as spent

organic shall be sent to 1.ETP sludge, inorganic waste is sent to the authorised TSDF sites operated by Saurasthra Enviro Projects Pvt Ltd. (SEPPL); Vapi Green Enviro Limited (formerly Known as Vapi waste & Effluent Mgt. Co. Ltd).

2.High calorific value waste is incinerated in in-house incineration facility as well as sent to common Hazardous Waste Incineration Facilities (CHWIF) operated by Saurasthra Enviro Projects Pvt Ltd. (SEPPL) / sent for Co processing to Recycling Solutions Pvt. Ltd (RSPL) / Bharuch Enviro Infrastructure Limited (BEIL).

	cement	
	factory /	
	incinerated.	
17	The	1. On Site Emergency Action Plan is in place to handle any emergency.
	Company	2. The safety audit is carried out by competent person every year. The last safety audit
	shall strictly	was conducted in the month of September, 2021.
	comply with	3. The mock drill is carried out regularly. Last mock drill was carried out on January, 2022.
	the rules	4. The transportation of hazardous chemicals as per Motor Vehicle Act shall be complied.
	and	
	guidelines	Workdrill
	under	
	Manufactur	
	e, Storage	
	and Import	
	of	
) P	Hazardous	
	Chemicals	
	(MSIHC)	
	Rules, 1989	
	as amended	
	in October,	
	1994 and	
!	January,	
	2000. All	
	Transportati	
	on of	
	Hazardous	
	Chemicals	
	shall be as	
	per the	
	Motor	
	Vehicle Act	
Į	(MVA),	
	1989.	
18	The unit	The following measures are taken for protection of fire hazard:
	shall make	1. Awareness of process and plant safety guideline among all employees
	the	2. Hazardous Area Classification and Risk Assessment (HACRA) for each plant
	arrangemen	3. Double earthing is provided in each tank
	t for	4. Nitrogen blanketing is provided to all tanks of flammable solvents
	protection	5. Spark arresters are provided to vehicles entering in the tank farm
	of possible	6. The flame proof electrical equipment are provided in the flammable area
	fire hazards	7. Full Fledged Emergency Control center available at site including centralized smoke
	during	detection system and 03 fire tenders
	manufacturi	8. Fire Hydrant system
	ng process	9. 24 X 7 availability of trained fire fighters
	in material	10. Fixed fire protection system
	handling.	
	Firefighting	

system shall be as per the norms. The site has full-fledged Occupational Health Center with two full time Factory Medical 19 Occupationa Officer (FMO). Occupational health related surveillance and awareness programs are Lhealth carried out regularly. Periodical medical examinations are carried out for all employees surveillance and records are maintained in Form No. 32 and pre-employee medical examination of the records are maintained in Form No. 33. workers shall be Appual Medical Comps for Employees Quarterly Medical Check up of done on a regular basis and records maintained as per the **Factories** Act. Pormi 68 FORM NO. 33 MEDICAL FITNESS CENTIFICATE OF EMPLOYMENT IN THE PACTORY OF MAJARROUP Mind supposed or metalines & solution PARTIFIE Departure or the local Depart Regulation of the person constitution The company has developed green area of around 5.2 hectares inside the plant premises. Green belt 20 The company has also developed green area adjacent to site premises. The green belt should be development work is in progress in newly purchased land of 5.4 hectares. We have developed selected some plant species as per CPCB guideline and communicated to DFO vide our at least in letter No. ENV/06/18/2702 dated February 27, 2018 for further advice. Every year 10.6 ha area

in and

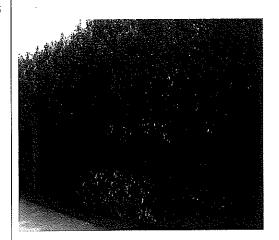
around the

premises.

plantation is carried out to increase the greenbelt area inside and outside of site

plant premises to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines in consultation with DFO. Selection of plant species should be as per the **CPCB** guidelines.







At least 2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitmen t based on Public Hearing issues and item-wise details along with time

bound action plan

21

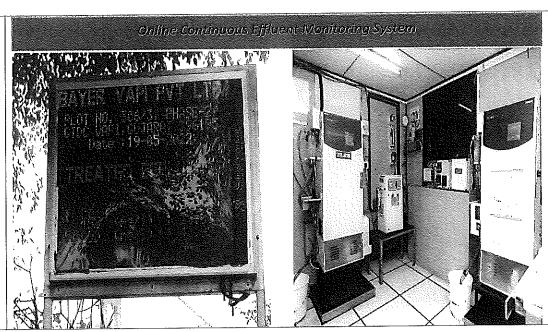
Site was exempted from Public hearing as per section 7(i), III stage (3), para (i)(b) of EIA Notification as the site is located in the notified Industrial area.

Green Belt Area Development

CSR DONATION SUMMARY FY 2021-22	
Particulars Particulars	Total (INR Mio)
Donation of Oxygen Plant	2,756,031
Interventions to combat COVID 19 pandemic and strengthen health infrastructure	34,510,350
Total CSR Spend for FY 2021-22	37,266,381

	shall be		
	prepared		
	and		
	submitted to		
	the		
	Ministry's		
	Regional		
	Office at		
	Bhopal.		
	Implementa		
	tion of such		
	program		
	shall be		
	ensured		
	accordingly		
	in a time		
	bound		
	manner.		
22	All the	Complied.	
22		Complied.	
	recommend		
	ations made		
	in the risk		
	assessment		
	report		
	should be		
	satisfactorily		
	implemente		
	d.		
23.	The unit	Last six months recycle treated effluents are as under	:
	shall ensure		
	Zero Liquid	Recycled Treated Effluo	ent Quantity
1	Discharge	Quantity Recycled	Average Quantity
Ī	(ZLD) for the	Month (KL)	Recycled (KL / Day)
	expanded	Oct-21 7917	255
	capacity by	Nov-21 5428	181
	recycling the	Dec-21 6507	210
	treated		264
	effleunt.		232
		Feb-22 6510	235
		Mar-22 7276	
24	Continuous	Online monitoring station (24 x 7) is installed for mon	ittoring now, pri, TOC and 155 for
	online (24 x	treated effluent discharged to CETP. The online moni-	toring system is connected with
	7)	GPCB & CPCB server.	
	monitoring		
	to be		
	installed for		
	flow		
	measureme		

nt and measureme nt of pollutants within the treatment unit. Data to be uploaded on company's website and provided to respective RO of MoEF&CC, CPCB and SPCB.



B. SPECIFIC CONDITIONS

1	The project	The company follows all stipulations made by State Pollution Control Board (SPCB).
	authorities	
	shall strictly	
	adhere to	
	the	
	stipulations	•
	made by the	
	state	
	Pollution	
	Control	
	Board	
	(SPCB), State	
	Government	
ľ	and any	
	other	
	statutory	
	authority.	
2	No further	Followed.
	expansion or	
	modification	
	s in the	
	plant shall	
	be carried	
	without	
]	prior	
	approval of	
	the Ministry of	
	Environment	
	ERAHOURIEUT	

and Forest. in case of deviations alterations in the project proposal from those submitted to this Ministry of clearance, a fresh reference shall be made to Ministry to assess the adequacy of conditions imposed and to add additional environment al protection measures required, if any. We have already installed 05 Nos. of ambient air quality monitoring station at site. The 3 The locations are marked in Site Layout. The ambient air quality monitoring stations are based locations of on prominent wind direction i.e. one is in upwind direction and remaining fours are in ambient air downwind direction. The same was informed to GPCB through letter No. quality ENV/06/17/1307 dated July 13, 2017. monitoring stations Amijarent Air Woniforing Stotion shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that

at least one station is installed in the upwind and Location of Monitoring Stations downwind direction as well as where maximum ground level concentratio n are (3) PENNESS TROSS (3) PENNESS PENNESS anticipated. (i) incarrect access access and (ii) Опеченнями Described and the property of AREA: 34.8 HECTARES PLANT : SITE MASTER PLAN INID: LAYOUT PLAN FOR ENVIRONMENT POINTS CHO APPO

DATE SLOVE DATE S

REFERENCE GOPY

4 The national Ambient Air Quality Emission standards issued by Ministry vide G.S.R NO. 826 (E) dated 16th November, 2009 shall

be followed.

The ambient air quality monitoring is carried out at 05 locations within the premises on every month by MoEF&CC and NABL accredited laboratory. Monitored values of last six months are as under:

THOMENS GIVE			Ambjest Ai	Comility W	gatosing	(October)	021 to Ma	rd(2022)				
Parameters	PM ₁₀	PM _{2.5}	Sulphur Dioxide (50 ₂)	Oxides of Nitrogen		Benzo (a) Pyrene (BaP)	Arsenit:	Nickel	CO	Benzene	NH3	.03
Unit	μg/m3	µg/m3	με/m3	gg/m8	μ g/m3	ng/m3	ng/m3	ng/m3	mg/m3	µg/m3	μg/m3	ру/т3
Menth / timit	100	60	80	80	1	1	- 6	20	4	- 5	400	180
0t1-21	66.41	33.10	13.51	23.22	0.47	ND	2.40	6.24	0.46	ND*	19.48	15.45
Nov-21	72.63	36,32	16,07	28.20	0.54	ND	2,68	6.96	0.52	ND*	22,31	18.78
Dec21	78.36	40.64	18.02	32.87	0.62	ND	2.34	7.15	0.60	ND*	25.12	21.14
Jan 922	69.32	34.35	15.16	28.91	0.55	ND	2.53	6.94	0.49	ND*	21.81	17,99
Feb-22	78.37	39,19	17.99	32.84	0.44	ND	2.42	7.11	0.57	ND*	27.90	20.59
War-27	70.65	35.07	16.92	28.73	0,32	ND	2.32	6.42	0.51	ND*	24.14	16.86
Max	78.37	40.64	18,02	32.87	0.62	ND	2.68	7.15	0.60	ND*	27.90	21.14
Min	66,41	33,10	13.51	23.22	0.32	ND	2.32	6.24	0.46	ND*	19.48	15.45

*ND - Not Detected

5

The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection)

The Noise monitoring is carried out at 12 locations on monthly basis by MoEF & CC and NABL accredited Laboratory. All results are within permissible limit. The average results of last six months are as under:

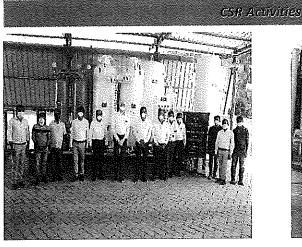
				Neve	(ionital)	ng-6g	elna 20	aso viajah	26/2						
	Location				Day Tir (dBA			July 1				Night T (dBA		246 25 - 10	96
Strive	Limit				75 dB(90					70 da			
						Feb-22	100 22	Average	nest	Nov-21	Tibro 21	tan.00	1ah 22	Mars-39	Average
	Month /Location	UI(F2A)	Nov 72.	BEUZI	30)(142	CUTCAL	()(e) »(c)								
	Mean Whim Gold	58.2	58.7	58,8	61.6	58,2	56.2	58,62	54.4	55.7	54.2	59.4	55.1	51.4	55,03
	Near Admith Building	56.4	57.4	57.9	64,4	57.6	54.9	58 10	53.2	53.3	55.4	57.1	53.4	50,6	53.83
	Near HSO/Plant	61.3	65.8	64.2	67.2	61.8	60.1	63,40	59.8	60.8	60.6	62.5	59.7	58.2	60,27
	Near ACCO Plant	63.2	62.2	64.4	63.8	59.9	63.4	62,82	58,6	58.2	57.7	60,3	57.3	60.5	58,77
- 5	Near Incinorator 2	69.8	69.2	71.2	68,5	68.4	65,1	68.70	66.7	64.2	67.1	66.2	62.6	61.4	64,70
í	Neor Indicerator S	67.2	67.4	66,5	66.9	67.2	67.4	67,10	62,2	63.4	61.4	64.7	65.8	63.6	63,52
	Near Strap Yard	66.4	58.5	62.8	60.7	64.4	61.5	62.38	61.9	55.5	57.2	56.2	58.1	59.3	58:03
8	Near HICOH	68.7	65.2	61.6	62,4	59,8	64.6	63.72	65.5	61.2	59,3	58.6	54.5	59,4	59,75
y	Near CYFO/Plant	62.4	63.7	62,4	57	62.4	66,8	62,45	57,1	60.4	58	53,3	60,9	62.5	58,70
10	Near Gale-II	58.3	57.2	58,7	55.2	59,2	59.2	57.97	55.6	55.2	54.5	52.5	56	54.1	54.65
	Near Engineering Part Store	64.5	60,3	59,5	59.3	57.4	61.6	80,43	61,5	57.3	56.4	55,1	54.1	58.3	57,12
10	Near ETP	69.6	66,4	65.1	65,9	67.4	70.3	67.45	67.9	62.4	60,2	63.6	64.2	66,8	64.18
	Max	69,8	69.2	71.2	68.5	68.4	70.3	68.7	67.9	64.2	67.1	66.2	65,8	66.8	64.7
	Min	56.4	57,2	57.9	55.2	57.4	54.9	57.97	53.2	53.3	54.2	52.5	53.4	50,6	53.83

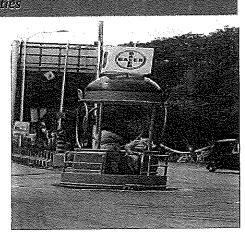
Act,1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time) Complied. 6 The unit shall explore Rainwater Harvesting rainwater harvesting system in nonproduction building without recharging in to ground water. Standard Operating Procedures are prepared for handling of various chemical and it is 7 Training followed in each plant. Awareness and training session are imparted to employees shall be imparted to regularly. Various health awareness and training progammes have been imparted to employees like all Awarness programme on Nutrition, Hazardous chemical awareness with personal health employees and hygiene, Safe handling of Bio-medical waste, First Aid Training etc. Various health on safety bulletins have been published like prevention of heat related illness, Health impact due to and health aspects of Tobacco etc. chemicals Training imparted on Health & Safety handling. Sr. No. Awareness session on lesson learnt from incident of Bayer & chemical Pre-1 employment industries and routine Awareness session on Early detection & Prevention of breast cancer 2 periodical Awareness session on Kidney & Health 3 medical Awareness session on Prevention of heart related illness 4 examination Awareness training for female employees on fire-fighting, Rescue, First aid 5 s for all Basic Overview, Rules & regulation, Safety aspect of utilities 6 employees 7 Bayer Safety norms emergency response shall be CSE permit training undertaken 8

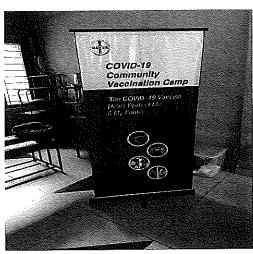
	on regular	9	FFP system operation
	basis.	1.0	Foam bladder tank deluge operation, gas suppression system
İ	Training to		How to use, clean & storage of respiratory personal protective
	all	11	equipment's
	employees	12	ISO basic information, documentation & QHSE Policy
	on handling	13	Lesson Learnt - Incident Investigation case study
	of chemicals	14	Operation of AFFF in PESO area & hazmat 3 foam in non-PESO area
	shall be	15	Refresher training & live demo for an auto darking welding hood with PAPR
	imparted.	16	Refresher training for fire fighters
		17	Refresher training for rescue squad
		18	Refresher training for working at height
		19	Respiratory & Noise protection
		20	Risk control matrix + ER+EIE+Risk identification expectation
		21	Safety Concepts, Explosion protection - Ventilation
		22	Safety Induction training
		23	Site permit to work system
		24	TBT - Basic fire fighting
		25	TBT - Electrical Safety
		26	TBT - SCBA Operation
		27	Thermal Hazards
		28	TOPPS category 2 training
	-	29	TOPPS category 4 training
		30	Training on Reporting of Incident Intelex System and Severity Score
		31	Training to company & contract employees working in High Noise Areas on Prevention of Noise Induced Hearing Loss.
		32	Awareness session by External Specialist Doctor (Prevention of heart related illness)
		33	Prevention of Blood Born Pathogens awareness sessions for employees handling Bio-medical waste
		34	Protect yourself from heat related illnesses
		35	Hazardous chemical awareness with personal health & hygiene training
		36	Refresher Awareness on Best Ergonomic Practices at shop floor.
		37	Refresher First Aid Training for existing first aiders
		38	Recertification Course of First Aid Training for Existing First Aiders
		39	Shop Floor First aid treatment training
		40	Personal Health & Hygiene care awareness for Canteen & GMP employees
		41	Awareness session on Early Detection Prevention of Breast Cancer conducted by Dr.Ritesh Sharma- Gynecologist
		42	Awareness session on Kidney & health Conducted by Dr.Shivam Shah - MD Physician
		Total 348	2 manhours spent for training on the above-mentioned topics to both compan
			act employees.
8	The	Complied	
	company		

,		
	shall also	
	comply with	
	all the	
	environment	
	al protection	
;	measures	
	and	
	l .	
1	safeguards	
	proposed in	
	the	
	documents	
	submitted to	
	the Ministry.	
	All the	
	recommend	
I ‡	ations made	
	in the EIA /	
	EMP in	
	i I	
	respect of	
	environment	
	al	
	managemen	
	t, risk	
	mitigation	
	measures	
	and public	
	hearing	
	relating to	
	the the	
	project shall	
	be	
	implemente	٠
	1	
	d.	Following CSR activities were undertaken by Bayer Vapi for in the pandemic situation to
9	The	
	company	support the community.
	shall	Converted existing Nitrogen plant available at site into Oxygen generation plant
	undertake	and successfully commissioned to support local Hospital catering to 50 beds.
	all relevant	2. Organized community vaccination camp for COVID – 19
	measures	3. Sponsored for Cyclothon event – Cycling for Health & Environment to promote
	for	Health & Fitness with Rotary Vapi
	improving	4. Provided 25 Nos of Police Booth to Support the road safety initiative by District
	the socio-	Superintendent of Police, Valsad
	economic	5. Organized Breast Cancer awareness & screening campaign on the occasion of
	conditions	International Women's Day
	of the	6. Awareness on Safety & Hygiene at St. Xavier's School on the occasion of National
	surrounding	Safety Week
	area. CSR	Saidty Fragin
	activities	
	activities	

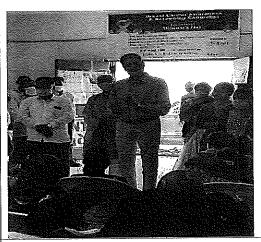
shall undertaken by involving local villages and administrati on.

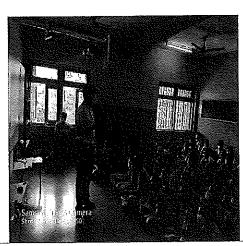








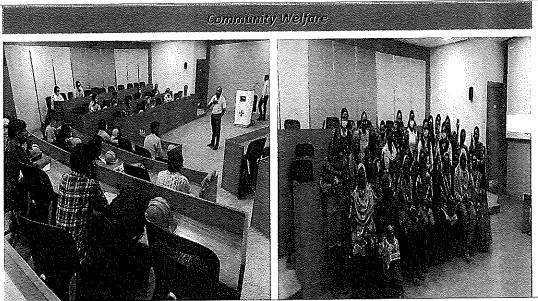




10 The company shall undertake eco-developmen

Complied.

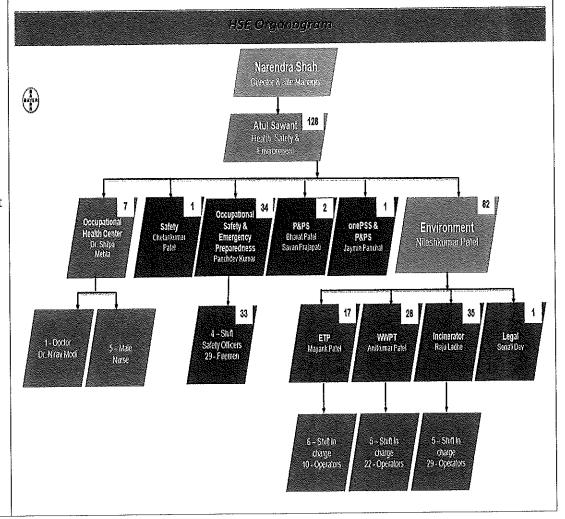
tal measures including community welfare measures in the project area for the overall improvemen t of the environment



11 A separate Environment Managemen t cell equipped with full fledged laboratory facilities shall be set up to carry out Environment al Managemen t and

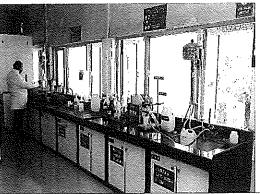
Monitoring functions.

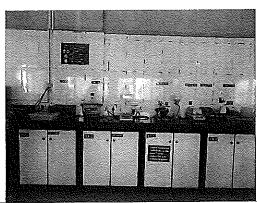
Site has separate environment cell equipped with full-fledged laboratory facilities to carry environment management & monitoring functions.





Environment Laboratory @ Bayer Vapi.





12

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 implementat ion schedule for all the conditions stipulated

herein. The funds so

The site has provided adequate fund for both capital and recurring investment to implement the conditions stipulated by MoEF&CC and GPCB along with implementation schedule. The fund allocated is not diverted for any other purpose and ensured for environment protection measures only. The total recurring budget for the year 2021 for Environment is INR 100.199 crs.

	Environment Management Cost Details					
Sr:No	Units	Gost (INR)				
1	ЕТР	157688603				
2	Incinerator	383327140				
3	WWPT	460976198				
	Total Cost	1001991941				
2 Sept. (2010) 18 (1910)	Approx. (Crs)	100.1991941				

carmarked for environment managemen t / pollution control measures shall not be diverted for any other purpose. 13 A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila parisad / Municipal Corporation, Urban local body and the local NGO, if any from whom suggestions/ representations, if any were received while proposal. 14 The project proponent shall also submit six monthly reports on the status of the status of the concernence of the concerned Panchayat, Zila parisad / Municipal Corporation, Urban local body and the local NGO, if any from whom suggestions/ representations, if any were received while processing the proposal.			
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submit six monthly uploaded on company's website. reports on A copy of Environmental Clearance and six-monthly compliance status of EC report is uploaded on company's website.		shall also	to Concerned Stakeholders through our Letter No. ENV/14/21/2511.
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	Environment	
	al 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,	
į.	the	
	respective	
	Zonal office	
	of CPCB and	
	the Gujarat	
	State	
	Pollution	
	Control	
	Board. A	
	copy of	
	Environment	
	al Clearance	
	and six	
	monthly	
	compliance	·
	status report	
	shall be	
1	posted on	
	the website	
	of the	
	company.	
15	The	The Environmental Statement for the period of April-20 to March-21 was submitted to
	environment	GPCB on August 23, 2021.
	al statement	A copy of Environmental statement and compliance report is uploaded on company's
	for each	website.
	financial	
	year ending	The EC compliance report has been uploaded on the MoEF & CC website dated Nov 25,
	31st March	2021.
	in Form-V as	, ZUZI.
	is mandated	
	1	
	shall be	
	submitted to	
	the	

	concerned	
	State	
	Pollution	
	Control	
	1	
	Board as	
	prescribed	
	under the	
	Environment	
	(Protection)	
	Rules, 1986,	
	as amended	
	subsequentl	
	y shall also	
	be put on	
1	the website	
,	of the	
	company	
	along with	
	status of	
	compliance	
	of	
	environment	
	al clearance	
	conditions	
	and shall	
	also be sent	
	to the	
	respective	
	Regional	
	Offices of	
	MoEF&CC	
	by e-mail.	
16	The project	Advertisement of Environmental clearance was published in two local news papers
	proponent	"SANDESH" & "DIVYABHASKAR" dated April 05,2017 and April 06,2017 respectively.
	shall inform	
	the public	The copies of advertisements were submitted to Regional Office of MoEF&CC, Bhopal
	that the	vide letter No. ENV/14/17/0704 dated April 07, 2017.
	project has	
	been	
	accorded	
	environment	·
	al clearance	
	by the	
	Ministry and	
	copies of	
	clearance	
	letter are	
	available	
L	avallable	

	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	
Í	and copy of	
	the same	
	shall be	
	forwarded	
	to the	
	concerned	
	Regional	
	Office of the	
	Ministry.	
17	The project	Shall be complied.
	authorities	
	shall inform	
	the Regional	
	Office as	
	well as the	
	Ministry, the	
L	winnaury, the	

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	date of				
	financial				
	closure and				
	final				
	approval of	,			
	the project				
	by the				
	concerned				
	authorities				
	and the date		•		
	of start of				
	the project.				