AARTI INDUSTRIES®

Ref: AIL/DHJ/DIA/25-26/ENV/018 **ID: 58381**
Date: 30.10.2025

To,
Deputy Director General of Forests
Integrated Regional Office (IRO)
Ministry of Environment, Forest & Climate Change (MoEF&CC)
KARMAYOGI BHAWAN,Block-3,F-2 Wing, 5th Floor,
Near CH-3 Circle, Sector - 10A,Gandhinagar - 382010

Subject: Half Yearly Environment Clearance conditions compliance report for the period of April-2025 to September-2025.

Ref: 1) Environment Clearance letter no SEIAA/GUJ/EC/5(f)/192/2023 dated 14/02/2023
2) Environment Clearance letter no File No. SEIAA/GUJ/EC/5(f)/391/2018 Dated. 31/03/2018

Respected Sir,

In reference to the above mentioned subject, Unit is enclosing herewith the compliance Report for the period of April-2025 to September-2025 in respect to the above mentioned Environment Clearances granted for the manufacturing of the Synthetic organic chemicals industry (dyes & dye intermediates) unit located at Plot No. Z/103/C, Dahej SEZ-II, Tal. Vagra, Dist. Bharuch, Gujarat.

The unit has obtained and implemented below mentioned ECs and submitted condition wise compliance for the same.

1) Environment Clearance letter no SEIAA/GUJ/EC/5(f)/192/2023 dated 14/02/2023
2) Environment Clearance letter no File No. SEIAA/GUJ/EC/5(f)/391/2018 Dated. 31/03/2018

Thanking You
Yours faithfully,

For Aarti Industries Limited (Unit - 2)

For AARTI INDUSTRIES LTD.

Authorized Signatory Authorised Signatory

Encl: EC Compliance with Annexures.

COPY TO:

1. **The Member Secretary, GPCB, Gandhinagar**
2. **Email to The Regional Director, CPCB, Vadodara**
3. **Email to SEIAA, Gujarat**
4. **Uploaded in MOEF&CC(Parivesh) Portal**

M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II, Dahej, Dist. Bharuch

Compliance report of Environmental Clearance File No. SEIAA/GUJ/EC/5(f)/192/2023 Dated. 14/02/2023, April-2025 to September-2025

<table>
<tr><th rowspan="2">Sr. No.</th><th rowspan="2">Product Name</th><th rowspan="2">CAS No.</th><th colspan="4">Quantity in MT/Annum</th><th rowspan="2">End Use of Product</th><th rowspan="2">Status</th></tr>
<tr><th>As per Existing EC</th><th>As per CCA Amendment No. AWH-146551</th><th>Proposed Change/Additional</th><th>Total After Expansion</th></tr>
<tr><td>A</td><td colspan="8">Organic Chemicals</td></tr>
<tr><td>I</td><td colspan="8">Hydrogenation Products & their Derivatives (43200 MT/Annum)</td></tr>
<tr><td>1</td><td>2, 5 Dichloro Aniline (2,5 DCA) And/Or</td><td>95-82-9</td><td>21780</td><td rowspan="5">21780</td><td rowspan="5">21420</td><td rowspan="5">43200</td><td rowspan="5">Dyes, Dye Intermediates, Basic Pharma intermediates, Pigments, Polymer</td><td rowspan="5">Complied
<table><tr><th rowspan="2">Month</th><th>Production (MT)</th></tr><tr><th>2, 5 Dichloro Aniline</th></tr><tr><td>Apr’25</td><td>1006</td></tr><tr><td>May’25</td><td>427</td></tr><tr><td>Jun’25</td><td>743</td></tr><tr><td>Jul’25</td><td>732</td></tr><tr><td>Aug’25</td><td>910</td></tr><tr><td>Sep’25</td><td>748</td></tr></table>All products are under prescribed limits.</td></tr>
<tr><td>2</td><td>2. 5 Dichloro Aniline (Crude) (2,5 DCA) And/Or</td><td>95-82-9</td><td rowspan="4">0</td></tr>
<tr><td>3</td><td>3,4 Di Chloro Aniline (3,4 DCA) And/Or</td><td>95-76-1</td></tr>
<tr><td>4</td><td>3,4 Dichloro Aniline (Crude) (3,4 DCA) And/Or</td><td>95-76-1</td></tr>
<tr><td>5</td><td>3,5 Dichloro Aniline (3,5 DCA)</td><td>626-43-7</td></tr>
</table>

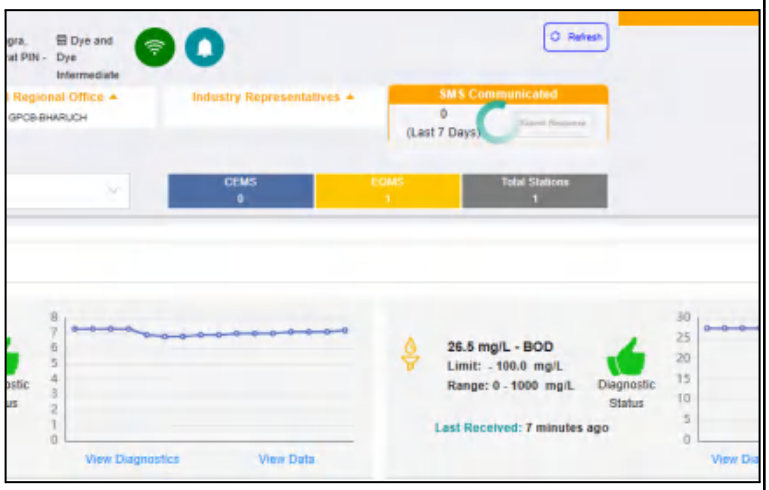
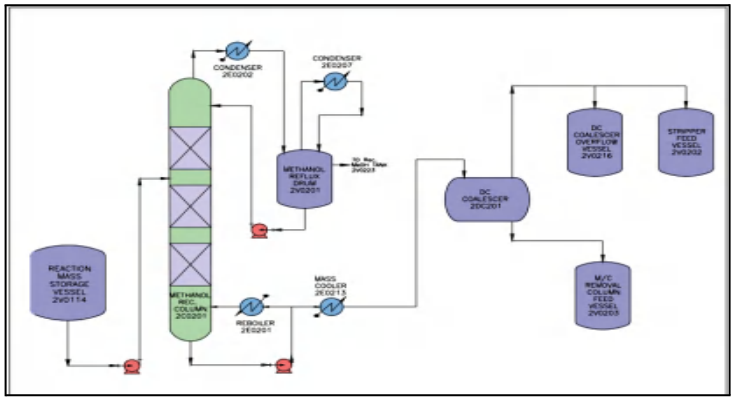
	And/Or							
6	3,5 Dichloro Aniline (Crude) (3,5 DCA) And/Or	626-43-7						
7	Para Chloro Aniline (PCA) Either/Or	106-47-8						
8	Para Chloro Aniline (Crude) (PCA) And/Or	106-47-8						
9	2,4,5 Tri Chloro Aniline (2,4,5 TCA) And/Or	636-30-6						
10	2,4,5 Tri Chloro Aniline (Crude) (2,4,5 TCA) And/Or	636-30-6						
11	2,4 Di Chloro Aniline (2,4 DCA)/2, 6 Di Chloro Aniline (2,6 DCA) And/Or	554-00-7/ 608-31-1						

12	Mixture of Di Chloro Aniline And/Or	Multiple 554-00-7 & 95-82-9 & 608-31-1						
13	2,4 Di Chloro Aniline (2,4 DCA)(Crude)/2,6 Di Chloro Aniline (Crude)(2,6 DCA) And/Or	554-00-7/ 608-31-1		0	43200			
14	3-Chloro Ortho Toludine (3-COT) And/Or	87-60-5						
15	3-Chloro Ortho Toludine (Crude) (3-Cot)	87-60-5						
II	**Diazotization Products & their derivatives (22380) MT/Annum)**							
1	2,5 Di Chloro Phenol (2,5 DCP) And/Or	583-78-8	18000	15600	4380	19980	Di Chloro Phenols are used as intermediates in the manufacture of more complex chemical compounds. It will be used as a raw material for chemical intermediates.	**Complied** **All products are under prescribed limits.**
2	2,3 Di Chloro Phenol (2,3 DCP) And/Or	576-24-9	0					

Month	Production (MT)
	2, 5 Dichloro Phenol
Apr'25	274.7
May'25	96.435
Jun'25	232
Jul'25	127.6
Aug'25	212.5
Sep'25	300

3	Crude of 2,5/2,3	583-78-8/ 576-24-9	0	0	19980			
4	3,5 Dichloro Nitro benzene (3,5 DCNB) and/Or	618-62-2	0	2400	0	2400	Dyes, Dyes intermediates, Basic Pharma, Intermediates, Pigments, Polymers	
5	Crude 3,5 Dichloro Nitro benzene (3,5 DCNB) and/Or	618-62-2	0	0	2400			
A	Total of Organic Chemicals (A)		39870	39780	25800	65580		
Inorganic Chemicals								
1	Nitrosyl Sulphuric Acid	7782-78-7	17640	70620	13380	84000	Used in organic chemistry to prepare diazonium salts from amines	**Complied**
2	Sulphuric Acid (above 90% Concentration)	7664-93-9	28200	31320	56592	87912	Used in chemical industry for production of basic synthetic organic chemicals	**All products are under prescribed limits.**
B	Total of Inorganic Chemicals (B)		**45840**	**101940**	**69972**	171912		
A+B	Total of Organic and inorganic Chemicals		**85620**	**141720**	**95772**	237492		**Complied Average production of 4160.23 MT/Month in the compliance period (April 2025 to September 2025)**

Month	**Production (MT)**	
	NSA	**H2SO4**
Apr'25	416.726	1770.2
May'25	576.681	794.75
Jun'25	643.801	1565.37
Jul'25	921.662	860
Aug'25	512.694	1471
Sep'25	955.364	1878

Sr. No.	Points	Compliance
A. CONDITIONS:		
A.1 SPECIFIC CONDITIONS		
1	Unit shall install CEMS **[Continuous Emission Monitoring System]** in line to CPCB directions to all SPCB vide letter no B29016/04/06PCl-1/54O1 dated O5.O2.2O14 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB/CPCB on real time basis. **[For small/large/Medium/ (Red category) & Whichever (Air emission & Effluent Discharge) is applicable]**.	Compiled Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission. 
2	Close loop solvent recovery system with an adequate condenser system shall be provided to recover solvent vapors in such a manner that recovery shall be maximum and recovered solvent shall be reused in the process within premises.	Complied Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is as follows: 

3	Leak detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR Logbooks shall be maintained.	Complied As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as per the desired set point all are connected to the Hooter & DCS System. Hydrogen Detector System, Methanol Detector System, SO2 Detector System & Xylene Detector system. **ANNEXURE-1**
4	The National Ambient Air Quality Emission Standards issued by the ministry vide G.S.R No 826 (E) dated 16th November, 2009 shall be complied with.	Complied The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorized party..
5	National Emission Standards for organic chemicals manufacturing industry issued by the ministry vide G.S.R. 608 (E) dated 21/07/2010 and amended from time to time shall be followed.	Complied The unit is carrying out Process Stack Monitoring by an approved NABL / GPCB/MOEF&CC authorized party.
6	Unit Shall have to adhere to the prevailing area specific policies of GPCB with respect to the discharge of pollutants, and shall carry out the project development in accordance & consistence with the same.	Complied Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server.
7	All measures shall be taken to avoid soil and groundwater contamination within premises.	Complied Unit has taken all necessary precautions and monitored the soil from time to time to eliminate soil & water contamination, all process areas are provided with proper flooring and catchment pit so that spills, if any, gets collected, transferred and properly treated in inhouse treatment systems. RCC flooring is provided for prevention of Soil contamination.
8	**Safety & Health:** **A.** PP shall obtain Peso Permission for the storage and Handling of hazardous chemicals. **B.** PP shall provide Occupational Health Centre (OHC) as per the provision under the Gujarat Factories Rule 68-U.	**A.** Complied The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989. PESO Certificate attached in **Annexure-VI** **B.** Complied Unit has also developed OHC with all medical facilities

C.	PP shall obtain fire safety certificate/Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules/Gujarat Fire Prevention and Life Safety Measures Act, 2106.
D.	Unit shall adopt functional operations /process automation system including emergency response to eliminate risk associated with the hazardous processes.
E.	PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.
F.	PP shall install adequate fire hydrant system with foam trolley attachment within premises and separate storage of water for the same shall be ensured by PP.
G.	PP shall take all the necessary steps for control of storage Hazards within premises ensuring incompatibility of storage raw material and ensure the storage keeping safe distance as per the prevailing guidelines of the concerned authority.
H.	PP shall take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker /employee or labour within premises.
I.	Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.
J.	Unit shall provide effective isolation for process area and storage of hazardous chemicals..
K.	Unit shall provide water sprinkler to the ammonia storage cylinder.
L.	Unit shall never store drum/barrels/carbouys of incompatible material/chemical together.
M.	Unit shall provide effective fire hydrants, water monitors & Foam application system at solvent storage area and unit shall provide adequate safety system such as water sprinklers, water curtains, foam pouring system etc. to restrict cascade fire

	with a factory medical officer and Staff Nurse.
C.	Complied Unit has the Provisional Fire No Objection Certificate (NOC) and applied for the final NOC. ANNEXURE-XIV
D.	Complied Unit had the automation system and the whole process was controlled by the DCS system.
E.	Complied Mock drill was conducted in every quarter by the safety dept and evacuation plan and emergency exit all are displayed in the manufacturing area.
F.	Complied
G.	Complied Unit has been constructed as per prevailing rules of government authorities for storage of flammable chemicals. Photographs has been attached as below: 
H.	Complied Unit has provided Proper PPE to the worker/employee and regularly training is provided.
I.	Complied Unit has installed flameproof electrical fittings in the plant premises.
J.	Complied Unit has a proper isolated tank farm area for the storage of the Hazardous chemical and also the dyke pit constructed to control spillage of any chemicals.
K.	Noted
L.	Complied

	emergency in solvent storage area.	Unit has a proper isolated tank for the storage of the materials/chemicals
N.	Unit shall provide effective isolation for process area and storage of Hazardous chemicals.	**M.** Complied Unit have the Effectively fire hydrants, water monitors & Foam application system at solvent storage
		N. Complied Unit has a proper isolated tank farm area for the storage of the Hazardous chemical and also the dyke pit constructed to control spillage of any chemicals.

A.2 WATER

9 Total water requirement for the project shall not exceed 2433 KL. Unit shall reuse 438 KLD of treated industrial Effluent within premises. Hence, fresh water requirement shall not exceed 1995 KLD and it shall be met through GIDC water supply only. Prior permission from the concerned authority for withdrawal of water shall be obtained.

Complied
Total Water Requirement is not exceeding 2433 KL/Day and fresh water requirement is not exceeding 1995 KL/Day and Recycle water is 438 KL/Day. Water consumption is under the prescribed limit.

WATER CONSUMPTION DETAILS

Particular	Unit	Apr'25	May'25	Jun'25	Jul'25	Aug'25	Sep'25
Fresh Water Consumptions (1253 KLD)	Total KL/Month	15558	10470	11841	14361	13627	13519
	Average KLD	518.6	337.7	394.7	463.3	439.5	450.6

Water consumption is under the prescribed limit.

10 The industrial effluent generation from the project shall not exceed 359 KLD after expansion.

No. SEIAA/CUJ/EC/5(f) /138/2024 Date - 01/02/2024

Condition no. 10 shall now be read as under:

Additional Condition:
1. 448 KLD is total of 2 different effluent streams i.e., 255 KLD (197 From Manufacturing Process + 25 KLD from Scrubber + 33 KLD from Washing) and 193 KLD (164 KLD from cooling tower + 29 KLD Boiler Blowdown). As per SEAC recommendation 448 KLD may be typographical mistake and this condition shall be replace as Follows:
a. Condition No. 11 of EC Order - 667 KLD i.e. 320 KLD (249 From Manufacturing Process + 38 KLD from
Scrubber + 33 KLD from Washing) and 308 KLD (164 KLD from cooling tower + 29 KLD Boiler
Blowdown + 82 KLD Softener Reject + 72 DM Reject).

Complied
The effluent generation of the Unit is not exceeding 359 KL/Day. Waste Water generation and discharge is under the prescribed limit.

EFFLUENT GENERATION DETAILS

Particular	Unit	Apr'25	May'25	Jun'25	Jul'25	Aug'25	Sep'25
Industrial Effluent Generation)	Total KL/Month	5172	3594	6086	4946.0	4885.6	5172
	Average KLD	172.4	119.8	196.3	164.9	162.9	172.4

<table>
<tr><td></td><td>b. Total 359 KLD effluent (255 KLD partially treated effluent from manufacturing process, Scrubber and Washing + 104 KLD RO Reject) will be discharged to CETP, Dahej confirming to inlet norms of CETP.
c. Total 308 KLD effluent (243 RO Recycle + 60 KLD MEE Condensate + 5 MT MEE Salt).
Condition no. 10 shall now be read as under</td><td></td></tr>
<tr><td>11</td><td>Management of Industrial effluent shall be as under after expansion:
➢ 255 KLD effluent generated (197 KLD from process, 25 KLD from scrubbers and 33 KLD from washing) shall be treated into in-house ETP plants (ETP-1 & ETP-2) and shall be taken into tertiary ETP.
➢ 193 KLD effluent (164 KLD from cooling Blow down and 29 KLD from Boiler Blow down) shall be treated into inhouse ETP plant (ETP- and RO plant. RO reject (104 KLD) and shall be treated in tertiary treatment.
(Refer condition number 10 above as per received EC Corriganum as per file number No. SEIAA/CUJ/EC/5(f) /138/2024 Date - 01/02/2024)
➢ Thus total 359 KLD treated effluent shall be discharge into CETP-Dahej after complying with the inlet norms of CETP prescribed by GPCB and ultimately disposal into the sea through GIDC drainage pipeline.</td><td>Complied Refer compliance of condition no. 10 above.As per latest received EC Corriganum as per file number No. SEIAA/CUJ/EC/5(f) /138/2024 Date - 01/02/2024)
EFFLUENT Discharge DETAILS
<table>
<tr><th>Particular</th><th>Unit</th><th>Apr’25</th><th>May’25</th><th>Jun’25</th><th>Jul’25</th><th>Aug’25</th><th>Sep’25</th></tr>
<tr><td rowspan="2">WasteWater Discharge (KLD)</td><td>Total KL/Month</td><td>5162</td><td>5240</td><td>3584</td><td>6076</td><td>4936</td><td>4832</td></tr>
<tr><td>Average KLD</td><td>172.1</td><td>169.0</td><td>119.5</td><td>196.0</td><td>164.5</td><td>155.9</td></tr>
</table></td></tr>
<tr><td>12</td><td>Domestic wastewater generation shall not exceed 57 Kl/Day for proposed project and it shall be treated in STP. It shall not be disposed off into a soak pit. Treated Sewage shall be utilized for gardening and plantation purpose within the premises after achieving on-land discharge norms prescribed by the GPCB.</td><td>Complied
Domestic wastewater is treated in STP. Treated water used for gardening/cooling tower purposes.
Domestic Waste Water Generation
<table>
<tr><th>Particular</th><th>Unit</th><th>Apr’25</th><th>May’25</th><th>Jun’25</th><th>Jul’25</th><th>Aug’25</th><th>Sep’25</th></tr>
<tr><td rowspan="2">Domestic WasteWater (57 KLD)</td><td>Total KL/Month</td><td>336</td><td>393</td><td>466</td><td>486</td><td>435</td><td>560</td></tr>
<tr><td>Average KLD</td><td>11.20</td><td>12.68</td><td>15.53</td><td>15.68</td><td>14.03</td><td>18.6</td></tr>
</table></td></tr>
<tr><td>13</td><td>During monsoon season when treated sewage effluent may not be required for the plantation/Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case.</td><td>Complied
The treated STP water is being used for green belt and gardening development.</td></tr>
<tr><td>14</td><td>Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.</td><td>Complied
Unit has an adequate buffer with two water storage tanks each of 300 kl capacity for holding the treated wastewater during the rainy days.</td></tr>
</table>

15	Unit shall discharge wastewater to CETP only after complying with norms prescribed by GPCB in order to achieve no adverse impacts on Environment and human health.	Complied Unit has the permission for the deep sea discharge through the GIDC pipeline. Before discharge, ensuring the norms as prescribed by the GPCB.
16	The PP shall ensure to dispose off waste water to the common facilities having valid CTO of GPCB.	**Noted** Currently the unit has the permission for the deep sea discharge through the GIDC common pipeline.
17	Treated wastewater shall be sent to CETP-Dahej only after complying with the inlet norms of common facilities prescribed by GPCB to ensure no adverse impact on Human Health and Environment.	Noted Unit has the permission for the deep sea discharge through the GIDC common pipeline.
18	The Unit shall provide metering facility at the inlet and outlet of ETP and maintain records for the same.	Complied Unit has provided a metering facility at the Inlet and outlet of ETP and maintain records for the same.
19	Proper logbooks of ETP; reuse/recycle of treated/ untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.	Complied Unit is maintaining a logbook of ETP, chemical consumption, quantities and qualities of effluent discharge and reuse, power consumption etc, and is furnished to the GPCB from time to time.

A.3 AIR

20 Unit shall not exceed fuel consumption for steam boilers and DG sets as mentioned below.

Sr. No	Stack Attached to	Stack Height in Meter	Fuel Cosumption	Air Pollution Control System
Existing				
1	D.G. Set (3 Nos.) Capacity : 2000 KVA each	33	Diesel 1800 L/Hr	Stack with 33 M Height
Proposed Additional Total				
1	D.G. Set (1 Nos.) Capacity : 2000 KVA each	33	HSD 600 L/Hr	Stack with 33 M Height
2	D.G. Set (2 Nos.) Capacity : 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 M Height
3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubber (Lime Dosing along with coal) + ESP
Total after Proposed Expansion				
1	D.G. Set (4 Nos.) Capacity : 2000 KVA each	33	HSD 2400 L/Hr	Stack with 33 M Height

Complied

Records of diesel consumption month-wise given as below:

Diesel Consumption

Month	Apr'25	May'25	Jun'25	July'25	Aug'25	Sep'25
Limit	**1800 Lit/Hr**					
Total Diesel Consumption (Litre/ Month)	480.0	3372.0	544.0	495.0	545.0	510.0
Diesel Consumption (Litre/Hr)	0.7	4.5	0.8	0.7	0.7	0.7

*3372.0 Ltrs diesel consumption because of power grid issue in Dahej division on May 2025.

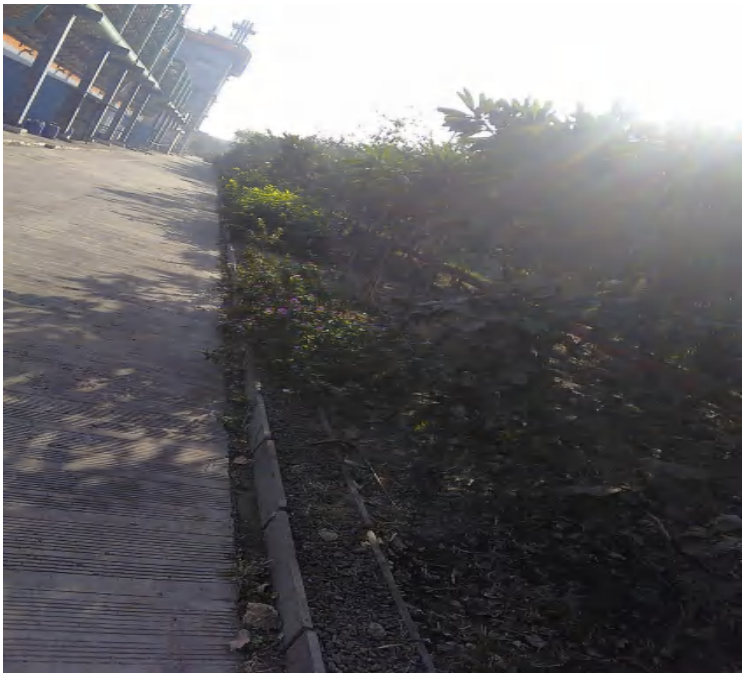
<table>
<tr><td></td><td>
<table>
<tr><td>2</td><td>D.G. Set (2 Nos.) Capacity : 2500 KVA each</td><td>33</td><td>HSD 1500 L/Hr</td><td>Stack with 33 M Height</td></tr>
<tr><td>3</td><td>Boiler (30 TPH)</td><td>48</td><td>Coal 6 MT/Hr</td><td>Dry Scrubber (Lime Dosing along with coal) + ESP</td></tr>
<tr><td colspan="5">Note: At present, 30 TPH steam is being taken from M/s. Aarti Industries Limited (unit-1), SEZ-II , Dahej (ID: 41201) and after expansion 70 TPH steam shall be taken from sister concern unit M/s. Aarti Industries Limited (Unit-1), Sez-II, dahej (ID: 41201)</td></tr>
</table>
</td><td></td></tr>
<tr><td>21</td><td>Unit shall provide Adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.</td><td>Complied.
Unit has provided adequate stack height around 33 meter DG stack for flue gas emission.</td></tr>
<tr><td>22</td><td>Unit shall provide Adequate APCM with Process gas generation sources as mentioned below.
<table>
<tr><th>Stack No.</th><th>Stack attached to</th><th>Stack Height in Meter</th><th>Air Pollution Control Measure (APCM)</th><th>Parameter</th><th>Permissible limit</th></tr>
<tr><td colspan="6">Existing As per CCA-AWH-146551</td></tr>
<tr><td>1</td><td>Scrubber Connected to Sulphur Dioxide reaction and</td><td>30</td><td>Alkali Scrubber</td><td>SO2 Acid mist/Sulphur trioxide (for plant Capacity per 100%</td><td>1250 mg/Nm3 (2kg/MT of 100% Conc. acid production)</td></tr>
</table>
</td><td>Complied
Unit has provided a two stage alkali scrubber as APCM with storage tanks to control VOC. VOCs Monitoring are carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of VOC monitoring from scrubber is attached in Annemenxure-III.</td></tr>
</table>

	Sulphuric Acid Plant			Concentration of Sulphuric acid (<300 Tone /Day)	70 mg/Nm3
2	Scrubber Connected to NSA	11	Alkali Scrubber	SO2	40 Mg/Nm3
3	Scrubber Connected to DCP	11	Alkali Scrubber	NOx	25 Mg/Nm3
4	Scrubber Connected to tanks	11	Alkali Scrubber	VOC	–
5	Scrubber Connected to tanks	11	Alkali Scrubber	VOC	–
6	Common alkali scrubber for SO2 tank Farm	11	Alkali Scrubber	SO2	40 mg/Nm3
7	DCA plant vacuum storage pump	11	Water Scrubber	VOC	–
8	HNO3 tank	11	3 stage lime	NOx	25 Mg/Nm3

			scrubber		
9	Liq SO3 and 25% oleum tank	11	Acid Scrubber	SO2	40 mg/Nm3
10	Sulphuric Acid Concentration plan (SAC)	11	Alkali Soray scrubber	SO2 VOC	40mg/Nm3 –
11	DCP plant: DCA Sulphate Vent	11	Venturi water scrubber	SOZ VOC	40 mg/Nm3 –
Proposed Total after Expansion					
1	Scrubber Connectedto Sulphur dioxide reaction and Sulhuric Acid plant	30 (Common stack)	Alkali Scrubber	SO2 Acid mist/Sulphur trioxide (for plant Capacity per 100% Concentration of Sulphuric acid (<300 Tone /Day)	1250 mg/Nm3 (2kg/MT of 100% Conc. acid production) 70 mg/Nm3
2	Scrubber Connecred to NSA		Alkali Scrubber	SO2	40 Mg/Nm3

3	Scrubber Connected to DCP	11	Alkali Scrubber	NOx	25 Mg/Nm3
4	Scrubber Connected to tanks	11	Alkali Scrubber	VOC	–
5	Scrubber Connected to tanks	11	Alkali Scrubber	VOC	–
6	Common alkali Scrubber for SO2 Tank Farm	11	Alkali Scrubber	SO2	40 mg/Nm3
7	DCA plant vacuum pump storage tank	11	Water Scrubber	VOC	–
8	HNO3 Tank Farm	11	3 Stage Alkali scrubber	NOx	25 Mg/Nm3
9	Liq SO3 and 25% oleum tank	11	Acid Scrubber	SO2	40 mg/Nm3
10	Sulphuric Acid Concentration plan	11	Alkali Spray Scrubber	SO2 VOC	40mg/Nm3 –

		(SAC)				
	11	DCP Plant: DCA sulphate vent	11	Venturi Water Scrubber	SO2 VOC	40 mg/Nm3 –
	12	DCP Drum filling Scrubber	11	Alkali Scrubber	VOC	–

23	Unit shall use approved fuels only as fuel in boilers and DG set.	Complied Unit has used approved fuels only in DG sets..
24	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of industry Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission. ➢ Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. ➢ Air Borne dust shall be Controlled with water sprinklers at suitable location in the plant. ➢ A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.	Complied Unit has followed below guidelines to reduce the fugitive emissions in the work zone. ➢ Internal roads have been concreted. Photograph of the same is given in Point No. 7 ➢ Water sprinklers have been provided at suitable locations in the plant. 

		➢ Green belt has been developed in and around the plant boundary and roads to mitigate fugitive & transport dust emission. 
25	Regular Monitoring of volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.	Complied Unit is doing regular monitoring Volatile Organic Compounds carried out in the work zone area and ambient air
26	For control of Fugitive emission,VOCs, following steps shall be followed: ➢ Closed Handling and charging system shall be provided for chemicals. ➢ Reflux condenser shall be provided over Reactors /Vessels. ➢ Pumps shall be provided with mechanical seals to prevent leakages. ➢ Air Borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.	Complied ➢ Closed handling and charging systems have been provided for chemicals. ➢ Reflux condenser has been provided over Reactors / Vessels. ➢ Pumps have been provided with mechanical seals to prevent leakages. ➢ The plant is operated by a DCS system. ➢ Unit has provided an enclosure system for air borne dust at all transfer operations.

		 
26	Solvent Management shall be carried out as follows: ➢ Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvent shall be minimum. All venting equipment shall have vapour recovery system. ➢ Reactor shall be connected to adequate chilling system to condensate solvent vapor and reduce solvent losses. ➢ Reactor and solvent handling pump shall have mechanical seals to prevent leakages. ➢ The Condensers shall be provided with sufficient HTA and residence time so as to achieve maximum solvent recovery. ➢ Solvents shall be stored in a separate space specified with all safety measures. ➢ Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. ➢ Solvent storage and handling area shall be flame proof the solvent storage tanks shall be provided with breather valve to prevent losses.	**Complied** ➢ Unit has the proper solvent recovery system and to avoid the emission process running in a closed loop system. ➢ Reactors connected with the chilling system to condensate the solvent vapor and reduce the vapor losses. ➢ Pumps have been provided with mechanical seals to prevent leakages. ➢ The condenser has the proper adequate HTA area with residence time to achieve Maximum Solvent Recovery System. ➢ Unit has provided a dedicated storage space area for the Solvent Storage tank. ➢ Unit has provided the proper earthing with all electrical equipment wherever solvent handling is done. ➢ All the solvent storage area has been flame proof with the breather Valve to prevent losses.
28	Regular Monitoring of Ground level concentration of PM10, PM2.5, SO2, NOx, and VOCs shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.	Complied The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorized party **Annexure-IV**.
A.4 SOLID/HAZARDOUS WASTE:		

29 All the Hazardous/Solid waste management shall be taken care as mentioned below:

Sr. No	Name of Hazardous Waste	category	Source of Waste Generation	Quantity in MT/year Except for Batteries in Nos.				Hazardous Waste Disposal & Management Facility
				Existing as per EC	Existing as Per CCA	Proposed Changed/ Additional	Total After EC Expansion	
1	ETP Waste	35.3	From ETP	4800	4800	3376	8176	Collection, Storage, Transportation and Disposal to TSDF/Co-processing.
2	Distillation residue	26.1	From Process	4200	4074.48	6045.52	10120	Collection, Storage, Transportation Disposal at CHWIF/Pre-Proceesing/Co-processing.
3	Gypsum	B2080	-	7200	7200	-7200	0	NA Discontinue
4	Sulphur Sludge	B2040	From Process	84	84	488	572	Collection, Storage, Transportation Disposal at

Complied
Annual Generation & Disposal Quantity of Hazardous/Solid waste management is as Follows:

Waste	Limit (MT)	Apr'25	May'25	Jun'25	JUL'25	Aug'25	Sep'25
		Disposal					
Distillation Residue	10120	50.380	19.000	38.020	114.6	145.540	139.56
ETP Waste	8176	0.000	34.470	48.230	32.610	134.600	29.24
Used Oil	30	0.000	0.000	0.000	0.000	0.000	0.000
Insulation Waste	40	0.000	0.000	1.860	1.370	2.320	0.000
NRP waste	60	0.000	3.990	4.820	4.830	8.040	0
Discarded Containers/Bags	100	1.790	0.760	0.930	3.500	0.960	0.880
Spent Carbon	120	34.550	19.340	0.000	0.000	28.070	0.000
MEE Salt	1825	0.000	0.000	9.770	0.000	0.000	0.000

								TSDF/CHWIF/ Co-processing.
5	Discarded Containers/Bags	33.1	From Plant	Whatsoever Generated	Whatsoever Generated	100	100	Collection, Storage, Decontamination,Transportation, Disposal by Sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/ Containers to TSDF/CHWIF/ Pre-processing/ Co-processing.
6	Used Oil	5.1	From plant	6	6	24	30	Collection, Storage, Trans

								portation, Disposal by selling to registered reprocessors.
7	Insulation Waste	S1	From Plant	Whatsoever Generated	Whatsoever Generated	40	40	Collection, Storage, Transportation,Disposal by TSDF Site.
8	No Recyclable plastic waste/ PPE/Bags/Cotton Waste	S4	From Plant	25	25	35	60	Collection, Storage, Decontamination,Transportation, Disposal by Sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/

								Containers to TSDF/CHWIF/ Pre-processing/ Co-processing.
9	Spent Carbon	36.2	From Process	60	60	60	120	Collection, Storage, Transportation Send to TSDF/CHWIF/ Co-processing/ Pre-Processing.
10	Spent Catalyst	I-26.5	From Process	3.6	3.6	13.68	17.28	Collection, Storage, Transportation Sent for regeneration and recycled back OR disposal to TSDF
11	MEE/ DEE/ ATFD Salt (sodium Sulphate)	35.3	From Process	1260	1260	565	1825	Collection, Storage, Transportation & Sold

								to authorized actual end users having rule-9 permission or TSDF
13	Spent Sulphuric Acid	B-15 Schedule-II	From Process	0	0	12745	12745	Collection, Storage, Transportation & Sold to authorized actual end users having rule-9 permission or USED internally as raw material.
14	Spent Resin	35.2	From Process	0	0	5	5	Collection, Storage, Transportation, Sent for Co-processing/Pre-Processing/TSD

								F/CH WIF
15	RO Membrane/ cartridge Filter	36.2	From RO Unit	0	5	5	10	Collection, Storage, Transportation disposal by at TSDF
16	Filter Cloths	36.2	From Unit	0	5	5	10	Collection, Storage, Transportation disposal by at TSDF/CHWIF.
17	Cotton Waste	33.2	From Unit	1	1	4	5	Collection, Storage, Transportation, Disposal at TSDF/CHWIF
18	Glass Waste	S7	From Plant	2	2	3	5	Collection Storage, Transportation, Disposal/ Sold to Scrap Processors
19	PPE Waste	33.2	From Plant	0	0	40	40	Collection, Storage,

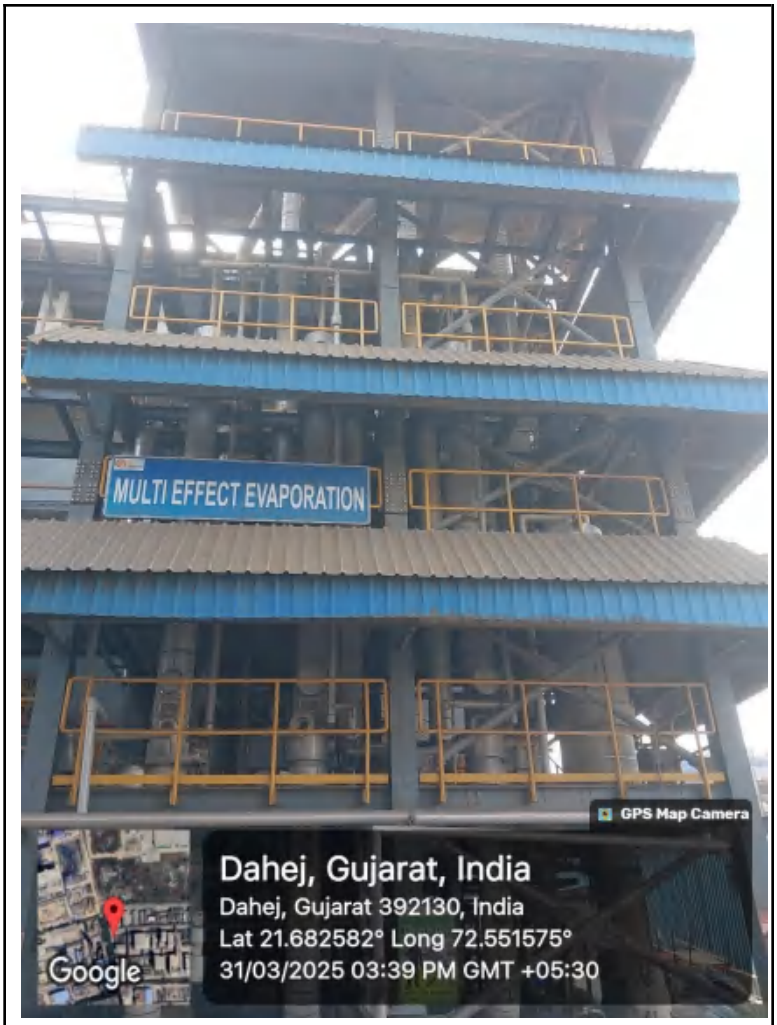
	<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Transportation and disposal at Common TSDF or CHWIF</td></tr></table>	
30	Authorized end users shall have permissions from the concerned authorities under the Rule-9 of the Hazardous and other wastes (Management and Transboundary Movement) Rule 2016.	Complied At Present unit is not sending any hazardous waste to the end users under rule 9.
31	Unit Shall Explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes before sending to CHWIF & TSDF sites respectively.	Compiled. Unit is exploring all the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes
32	The project Proponent has to obtain membership of TSDF site & CHWIF before obtaining CTO of GPCB.	Complied Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in Point No. 66
33	The unit shall submit the list of authorized end users of hazardous wastes along with MOU signed with them at least two months in advance prior to the commencement of production. In the absence of potential buyers of there items, the unit shall restrict the production of the respective items.	Noted. Unit has submitted the MOU with authorized end users of hazardous wastes.
A. 5 OTHER:		
34	The project proponent shall carry out the activities of amount of Rs.0.87 Crores (funds for Environment & renewable energy resources, Health & Hygiene) Proposed under CER and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's OM no. F . NO. 22-65/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of the Half yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.	Complied The project proponent has complied with all the conditions mentioned in "The Companies (Corporate Environment Responsibility Policy) Rules 2014" and its amendments from time to time. The CER/CSR activities list have been below <table><tr><th>Name of Associated NGO</th><th>Nature of Work</th><th>Amount (Rs.)</th></tr><tr><td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>250,000</td></tr><tr><td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>250,000</td></tr><tr><td>Jan Seva & Charitable Trust</td><td>Grocery, Uniform,</td><td>460,000</td></tr></table>

		<table><tr><td></td><td>Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel</td><td></td></tr><tr><td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>250,000</td></tr><tr><td></td><td>Total</td><td>12,10,000</td></tr></table>
35	All the recommendations , mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Enpro Enviro Tech and Engineers Pvt. Ltd and submitted by the project proponent and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Complied All the recommendation and mitigation measures environmental protection measures and safeguards submitted in EIA report has implemented.
B. GENERAL CONDITIONS: **B.1 CONSTRUCTION PHASE:**		
36	Water Demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Complied Unit has adopted best construction practices for expansion .
37	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Complied Unit has installed AAQM monitoring systems at different places for controlling fugitive emission.
38	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	**Complied** Unit has provided all required sanitary and hygienic measures separately for expansion related project work.
39	First Aid Box shall be made readily available in adequate quantity at all the times.	**Complied** First Aid Boxes are available and required Antidotes for the chemicals used in the unit will be made available in adequate quantity before commencement of expansions.
40	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Services) Act 1996 and Gujarat rules made there under their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	**Complied** The project proponent strictly comply with the Building and other Construction Workers (Regulation of Employment & Conditions of Service) Act 1995 and Gujarat rules made there under and their subsequent amendments.

41	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.	**Complied**
42	Use of Diesel Generator (DG) sets during the construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	**Complied** Unit has ensured the requirement of acoustic enclosure for operating the DG sets during existing operation.
43	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	**Complied** Unit ensures safe disposal of waste water & municipal solid wastes which is generated from construction activity which is treated in the existing ZLD system within the plant.
44	All topsoil excavated during construction activity shall be used in horticulture/ landscape development within the project site.	**Complied** Unit is utilizing topsoil and excavated soil for leveling purposes at sister concern unit. Also a unit having permission for the same.
45	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create an adverse effect on neighboring communities.	**Complied** Excavated earth to be generated during the construction phase is utilized within the premises to the maximum extent possible.
46	Project proponents shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	**Complied**
47	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	**Complied**
48	"Wind-Breaker of appropriate height i.e. 1/3rd of the building height and maximum upto 10 meters shall be provided. Individual building within the projects site shall also be provided with barricades.	**Complied** Windbreakers of appropriate height i.e 1/3rd of the building height and maximum up to 10 meters is provided Individual building within the project site along with barricades.
49	"No uncovered vehicles carrying construction material and waste shall be permitted.	**Complied**
50	"No Loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform Piling and proper storage of sand to avoid fugitive emissions shall be ensured."	**Complied**

51	Roads leading to or at construction site must be paved and blacktopped (i.e. metallics roads).	**Complied**
52	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	**Complied**
53	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.	**Complied**
54	Grinding and cutting of building materials in open areas shall be prohibited.	**Complied**
55	Construction materials and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.	**Complied**
56	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable).	**Complied**
B.2 OPERATION PHASE		
B.2.1 WATER:		
57	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Complied Unit has installed water meters and maintains the record on a daily and monthly basis.

		
58	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	Complied The unit had adopted Best Available Technology (BAT) to reduce, recycle and reuse the treated effluent. The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE. The unit will reuse permeate/condensate generated from RO, DEE & MEE in the cooling tower.


MULTI EFFECT EVAPORATION
GPS Map Camera
Dahej, Gujarat, India
Dahej, Gujarat 392130, India
Lat 21.682582° Long 72.551575°
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Google

MEE Plant

RO plant

ETP Plant

B.2.2 AIR:		
59	In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & its APCM through the credible institutes and study report for the impacts on Environment and Human Health shall be submitted to GPCB every year along with a half yearly compliance report.	Noted. As of now the unit has not installed any spray dryer system as it is not the process requirement.
60	Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.	Complied Unit has provided Acoustic enclosure to DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.
61	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	Complied. Unit has provided adequate stack height around 33 meter DG stack and scrubber around 11 meter for flue gas/ process gas emission.
62	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.	Complied Flue gas emission & Process gas emission conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.
63	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied All reactors and vessels are in a closed loop. There is no fugitive emission.
B.2.3 HAZARDOUS/SOLID WASTE		
64	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/ disposal of hazardous wastes.	Complied Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/Labeling-Form 8/ TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc. same as attached as Annexure-XIII.

65	Hazardous waste shall be dried, packed and stored in a separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied Unit has provided a hazardous waste storage area with a pucca bottom and leachate collection facility. 
66	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	Complied Unit has received membership from BEIL & SEPPL.
67	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988 and rules made there under.	Complied Unit is ensuring to deploy trucks/Tankers as per the provisions under the Motor Vehicle Act, 1988 and rules made there under for the transportation of hazardous waste. Unit is Following the AIS 140 based GPS tracking System for all the Hazardous Waste Vehicle.
68	The design of the Trucks/ tankers shall be such that there is no spillage during transportation.	Complied Unit is ensuring to deploy trucks/Tankers suitable for hazardous waste so that there will not be any leakage / spillage during transportation.
69	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied Unit is putting all efforts to pre-treat / process the hazardous waste before disposal to TSDF / CHWIF.
70	Management of fly ash (If any) shall be as per the Fly Ash Notification 2009 & its amendment time to time and it shall be ensures that there is 100% utilization of fly ash to be generated from the unit.	Complied Fly ash is not being generated from the unit since unit has not installed any boiler. Unit has permission to take steam from adjacent sister concern unit as per EC.
B.2.4 SAFETY		
71	The occupier/ manager shall strictly comply with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.	Complied The occupier has strictly complied with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.
72	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of	Complied

	Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for Handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosive and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.	The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989. PESO Certificate attached in **Annexure-VI** On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and same has been attached in **ANNEXURE-XVI**
73	Main entry and exit shall be separate and clearly marked in the facility.	Complied Main entry & Exit were separated and have been constructed marked clearly. Photographs of Entry  Photograph of Exit 
74	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Complied Sufficient peripheral open passage is provided in the margin area for free movement of fire tender/ emergency vehicle around the premises.
75	Storage of flammable chemicals shall be sufficiently away from the production area.	Complied Unit has constructed Storage of flammable chemicals shall be sufficiently away from the production area.
76	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Complied Unit has provided **307** numbers of fire extinguishers near the plant and storage area. The fire extinguishers are installed in all the

		process plants such as DCA, DCP, SAC-CR Plant, NSASO2 Plant as well as in ETP, OHC, Admin, Canteen etc.
77	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals.	Complied Unit is ensuring to take necessary precautions as per the prevailing rules of government authorities for storage and handling of toxic and hazardous chemicals.
78	All the toxic/ hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	Complied Unit will ensure to maintain optimum quantities of toxic / hazardous chemicals. All necessary permissions are obtained in this regard before commencing the expansion activities.
79	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report.	Complied The unit has adhered to the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report. The letter submitted to DISH for Risk Assessment Report, Safety Audit Report, QRA study. The same has been attached in **Annexure-VII** The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. **Annexure-VIII**
80	Only flameproof electrical fittings shall be provided in the plant premises.	Complied Unit has installed flameproof electrical fittings in the plant premises.
81	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/ containers instead of on single large capacity tank/ containers.	Complied Unit has restricted the use of single large capacity tanks/ containers and 1 number of tanks are installed for the RM and pure product storage in the Tank farm area.
82	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/ dyke walls shall be provided for storage tanks for hazardous Chemicals.	Complied Unit has installed necessary engineering controls to avoid leakages and hazardous chemical storage tanks have been installed inside a Bund/ dyke wall. Photograph is attached as below: 
83	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer to that minimal human exposure occurs.	Unit has taken all necessary measures to minimize the human exposure to hazardous chemicals by closed loop pumping / vacuum transfer.

84	Tie up shall be done with nearby health care unit/ doctor for seeking immediate medical attention in the case of emergency.	Complied Unit has tied up with nearby health care units/ doctors for seeking immediate medical attention in the case of emergency. Unit has also developed OHC with all medical facility with factory medical officer and staff. The Unit have tie up with Sunshine Global Hospital, Healing Multispeciality Hospital and Baroda Heart Hospital for immediate medical attention in the case of emergency at the Bharuch District. The same has been attached in **Annexure-IX**
85	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Complied Unit has maintained around 50 types of Personal Protective Equipment (PPEs) and provided the same to workers. Unit has encouraged and ensured that PPE's are used by workers as per the requirement for a particular job role. PPEs- Helmet, Goggles, Safety Shoes, Full body safety suit, Double anchored safety harness, Cartridge mask, antistatic hand gloves, bubble hood etc.
86	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied 14 Numbers of First Aid Box are available and required Antidotes (Methylene Blue, Dipotherene, etc) for the chemicals used in the unit are available in OHC at site. 

87	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	Complied Training is given to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees are done on a regular basis. Training to all employees on handling chemicals is imparted regularly.
88	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	Complied Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act. Sample copy of same is attached here with Annuxure -X - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers
89	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.	Complied We ensure that the transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act and Rules.
90	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report.
91	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Complied Necessary permission has been taken from PESO. Also Unit has obtained Factory License No. 41555 , dated: 1st February, 2020
B.2.5 NOISE		
92	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hood, silencers, enclosures etc on all	Complied The Unit has taken necessary noise control measures by providing engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. Unit is monitoring

	sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	noise level month wise in the operation phase report attached Annexure-V **Details of Noise Monitoring** **All the parameters under prescribed limit**

Location	GPCB Limit		Month											
			Apr'25		May'25		Jun'25		Jul'25		Aug'25		Sep'25	
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
			Noise Level dB (A)											
Near ETP area	75 dB (A) 70 dB (A)		69.5	60.8	68.5	55.3	69.8	57.9	67.8	62.3	68.2	61.3	70.1	64.2
Near D.G. Set			73.2	69.3	70.6	52.1	71.3	56.4	72.4	58.8	71.6	59.6	72.2	66.4
Near Main Gate			67.8	59.5	62.4	48.3	65.7	50.6	69.2	54.5	68.7	55.1	64.5	58.2
Near DCA Plant			66.7	64.7	66.2	58.5	67.4	60.7	66.7	61.2	65.3	60.7	66.4	61.3
Near Material Gate			70.4	63.4	61.5	49.2	63.6	51.3	65.6	55.4	64.8	56.4	63.4	57.2

All the parameters under prescribed limit

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION		
93	The unit shall undertake the Cleaner Production Assessment study through a reputed institute /organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	Complied Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat Approved by AICTE, New Delhi & Affiliated to GTU, Ahmedabad. Cleaner Production Assessment study report is attached as an Annexure-XI
94	The company shall undertake various waste minimization measures such as: Metering and control of quantities of active ingredient to minimize waste . Reuse of by-products from the process as raw materials or as raw materials substitutes. Use of automated and close filling to minimize spillages. Use of a close feed system into batch reactors.	Complied The Unit has implemented waste minimization measures as mentioned below but not limiting to: Unit has taken all the possible action for the control of quantities of active ingredients to minimize waste. Unit has taken all the possible action for reuse of by-products from the process as raw materials or as raw materials substitutes. Unit has installed automated and close filling to minimize spillages. Closed feed system into batch reactors is in practice.

	Venting equipment through vapour recovery system. Use of high pressure hoses for clearing to reduce wastewater generation. Recycling of washes to subsequent batches. Recycling of steam condensate. Sweeping/ mopping of floor instead of floor washing to avoid effluent generation. Regular preventive maintenance for avoiding leakages, spillages etc.	Venting equipment through a vapour recovery system is in practice. Unit uses high pressure hoses for clearing to reduce wastewater generation. Unit is doing Recycling of washes to subsequent batches. Unit is doing Recycling of steam condensate. Unit is doing Sweeping/mopping the floor instead of floor washing to avoid effluent generation. Unit has done Regular preventive maintenance for avoiding leakages, spillages etc.
B.2.7 GREEN BELT AND OTHER PLANTATION		
95	The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate lane is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC/ GPCB and submit an action plan of plantation for next three years to the GPCB.	Complied The greenbelt has been developed and maintained by the unit regularly. Total area of plot :- 54803.04 m2 Greenbelt within Plant Premises :- 10367.85 m2 , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2 Green Belt at Luvara Village:- 5700 m2 Total Green Belt :- 18188.69 m2 photographs for the same attached as below: 
96	Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	Complied Unit has provided a low-angle sprinkler system for the green belt development within the premises.
97	The PP shall develop green belt within premises((Green belt within premises: 10367.85 m2 (18.92%) + Boundary	Complied

	Side Greenbelt: 2120.84 m2 (3.86%), out side Green belt: (in luvara village located at 0.9km from the project site):5700 m2 (10.22%) i.e.Total: 18188.69m2 (33.18%) of the total plot area) as per the undertaking submitted before SEAC. Green belt shall be developed with the native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB.	The greenbelt has been developed and maintained by the unit regularly. Total area of plot :- 54803.04 m2 Greenbelt within Plant Premises :- 10367.85 m2 , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2 Green Belt at Luvara Village:- 5700 m2 Total Green Belt :- 18188.69 m2 photographs for the same attached as per above.
B.3 OTHER CONDITION		
98.	Project Proponent shall provide mechanism/System for wastewater stream segregation at source and strictly follow up to treatment and final disposal of the same if applicable.	Complied Unit has done the proper segregation for the wastewater stream and strictly follow up the same
99.	The projects Covered under category 5(f) shall undergo the safety and environment audit regularly as per the standards laid down by the GPCB & CPCB.	Complied ne Unit had allotted the schedule-1 auditor as per the GPCB.
100.	PP shall carry out the safety audit and risk assessment report as per the prevailing guidelines of the safety.	Complied Unit has done the safety audit and risk assessment as per the guideline of the safety.
101.	Management of Fly ash shall be as per the Fly ash Notification 2009 & its amendment from time to time and it shall be ensured that there is 100% utilization of Fly ash to be generated from the unit.	Noted. Currently at unit fly ash has not been generated.
102.	EMP should invariably include provisions for environmental monitoring and measures for noise pollution control measures.	Complied. Noise monitoring is being carried out by an approved NABL / GPCB/ MOEF&CC authorized party . The noise levels in the plant conform to the standards prescribed in the EPA Act, 1986.
103.	In EMP proponent should separately indicate majors of occupational health, fire and safety measures.	Complied
104.	Prior EC is granted is subject to the proponent receiving all statutory permission/clearances /certificates and membership of respective agencies/authorities whichever applicable. Proponent shall inform progress from time to time , in monthly compliance report to MOEFCC/SEIAA/SEAC/GPCB failing to which this provision EC will stand withdrawn.	Complied Unit has received fresh CC&A order No AWH-108072, dated 10/09/2020, Valid up to 19/02/2025 and further amendment was done with AWH-113931 dated on 22/09/2021 & AWH-113932 dated on 08/10/2021 and then latest CCA - AWH - 146551 dated 11.09.2025.
105.	Wherever wastewater or chemical water to be collected by tankers and transported to CETP etc. and diversion and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law.	Noted Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.

106.	All transport movement by tankers etc has to be done with maintenance of gate pass and logbook it should be verified by the inspecting authorities.	Noted
107.	Non-Hazardous waste data shall be informed to GPCB time to time so as to make an assessment and tie-up with industry for generating sustainable power from the waste.	Complied
108.	All chemical pharma industry etc. should ensure predictive and preventive maintenance of factory/boiler and reactive show as to avoid incident of fire and safety hazards.	Noted Unit will ensure that the predictive and preventive maintenance of factory/boiler and reactive systems show as to avoid incidents of fire and safety hazards.
109.	EMP should include STP and detail cost including maintenance, transportation of wastewater to CETP/CMEE etc as well as transport cost or transit cost.	Noted Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.
110.	In LDAR preventive & predictive maintenance plan.	As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. Attached in Point -3
111.	In LDAR leakage component , source of equipment leak, detention method should be given in table form.	As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as per the desired set point all are connected to the Hooter & DCS System. Hydrogen Detector System, Methanol Detector System, SO2 Detector System & Xylene Detector system. All are Directly connected with the DCS system.
112.	In storage components should be shown separately in terms of whether inflammable, toxic,corrosive, reactive etc.	Complied
113.	In case of Fly ash generation its management and disposal should be as per Government of India Notification and 100% utilization should be ensured.	Noted. Unit has not generated any Fly ash within the premises.
114.	Project Proponents shall install all environment management systems as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.	Compiled Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission.
115.	Project proponents shall display the copy of Environment clearance at the site prominently.	Complied
116.	Project proponents shall prepare and follow regular and preventive maintenance plan. The copy of the same shall be submitted to SEIAA.	Complied Unit had the proper preventive maintenance plan and unit are doing on regularly basis to avoiding leakages, spillages etc

<table>
<tr><td>117.</td><td>Project Proponents will have to display the safety procedure in the working area.</td><td>Complied</td></tr>
<tr><td>118.</td><td>The project proponent shall obtain all required permissions for safety, health and fire from competent authorities like PESO/Fire Authority etc. and intimate SEIAA.</td><td>Complied
Unit had obtained the all necessary permission form the Competent authorities.</td></tr>
<tr><td>119.</td><td>Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP/TSDF/CHWIF/CMEE/Common Spray Dryer as the case may be.</td><td>Complied
Unit has obtained the membership of common facilities like CETP/TSDF/CHWIF and same has been attached as an Annuxure-XIII</td></tr>
<tr><td>120.</td><td>Extra care will be taken by PP to avoid any accidental blast in the boiler,reactor or any machinery in the plant.</td><td>Noted
Unit will take extra care to avoid any accidental blast in boiler,reactor or any machinery in the plant</td></tr>
<tr><td>121.</td><td>Environment monitoring, training and disaster management plan should be undertaken and complied at regular interval.</td><td>Complied
Unit had an onsite & Offsite disaster management plan and it was compiled on a regular interval.</td></tr>
<tr><td>122.</td><td>Integrated Regional Office of MoEF&CC, Gandhinagar and GPCB will monitor all environment, safety & Health norms as per the prevailing rules.</td><td>Complied
Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server.</td></tr>
<tr><td>123.</td><td>The PP has to maintain the logsheets/registers/manifest/gatepass for discharge through tankers and SCADA system for pipeline discharge for the waste water generation and its disposal data and submit to the GPCB every Quarter. GPCB shall verify the same on a regular basis and inform SEIAA and take legal action in the cases of non-compliance.</td><td>NOTED
Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.</td></tr>
<tr><td>124.</td><td>Unit shall comply all the applicable standard conditions prescribed in office memorandum (OM) published by MoEF&CC vide no.F.No. 22-34/2018-IA.III dated 01/05/2018 for pharmaceutical and Chemical industries mentioned at (Sr. no.XX)</td><td>Noted & Complied</td></tr>
<tr><td>125.</td><td>The Project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance with the MoEFCC's Office memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in the affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of Half-yearly compliance report and to district collector. The Monitoring report shall be posted on the website of the project proponent.</td><td>Complied
The project proponent has complied with all the conditions mentioned in "The Companies (Corporate Environment Policy) Rules 2014" and its amendments from time to time. The CER/CSR activities list have been below
<table>
<tr><th>Name of Associated NGO</th><th>Nature of Work</th><th>Amount (Rs)</th></tr>
<tr><td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>250,000</td></tr>
<tr><td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>250,000</td></tr>
</table></td></tr>
</table>

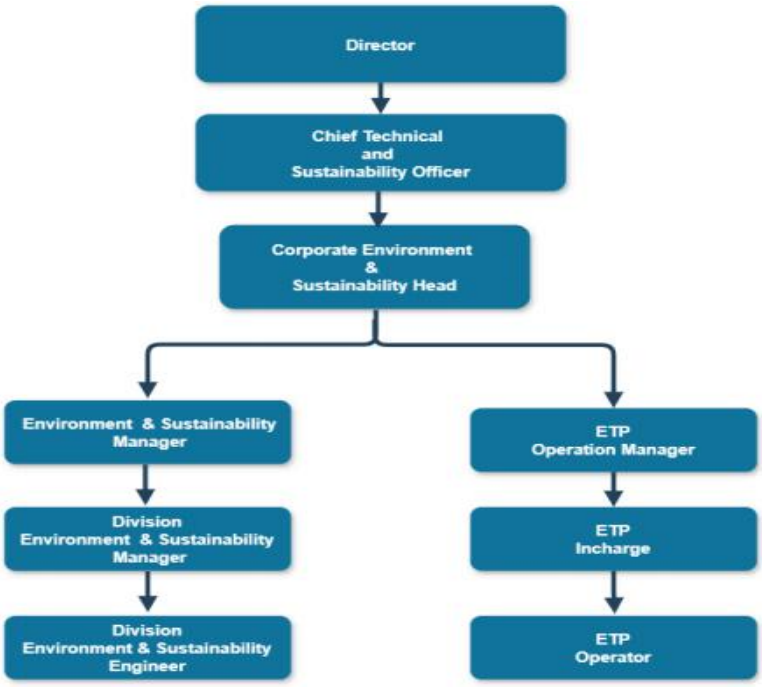
		<table><tr><td>Jan Seva & Charitable Trust</td><td>Grocery, Uniform, Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel</td><td>460,000</td></tr><tr><td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>250,000</td></tr><tr><td></td><td>Total</td><td>12,10000</td></tr></table>
126.	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	Noted & will be complied Rain water harvesting tank with the capacity of 50 KL is provided for the Storage of RainWater for using the collected water during the monsoon. Area has been identified for the Rainwater harvesting system Now the PR/PO is completed & construction activity is started.
127.	The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt./GIDC.	Complied The unit will participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or SEZ / GIDC or GPCB or any such authority created for this purpose by the Govt.
128.	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.	Complied . Solar energy had been incorporated for illumination of common areas, lighting etc.
129.	The area earmarked as green area shall be used only for plantation and shall not be alerted for any other purpose.	Complied The greenbelt has been developed and maintained by the unit regularly. Budget Data for Green Belt Total area of plot :- 54803.04 m2 Greenbelt within Plant Premises :- 10367.85 m2 , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2 Green Belt at Luvara Village:- 5700 m2 Total Green Belt :- 18188.69 m2
130.	All the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Complied Unit has strictly adhered to the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management.
131.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	Complied We will comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.

132.	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Complied In the event of failure of any pollution control system, the unit will be safely closed down and will not be restarted until the desired efficiency of the control equipment has been achieved. The plant is controlled by DCS system.
133.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	Complied The unit is strictly adhering to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
134.	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Complied 1. Unit has ensured no spillages during material transfer and garland drains have been constructed to avoid mixing of accidental spillages with domestic wastewater or stormwater. 2. For transfer of material to a tanker or tanker to a tank, a dyke wall has been made to prevent spillage and mixing with domestic & stormwater. 3. For the transfer of effluent to ETP, dedicated pits with automated pumps are present to prevent overflow. photos of garland tank, dyke wall, dedicated pits with automated pumps 

		
135.	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Complied Pucca flooring has been provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination. Photographs of the same are Given in Point no. 7.
136.	Leakages from Pipes,pumps shall be minimal and if occurs shall be arrested promptly.	Complied Unit had the proper preventive maintenance plan and unit are doing on regularly basis to avoiding leakages, spillages etc
137.	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Complied Unit has ensured to not take up any further expansion or modifications in the plant likely to cause environmental impacts without obtaining prior Environment Clearance from the concerned authority.
138.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted. We will implement and follow all the rules and regulations under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules. Annexure-XIV
139.	The project proponent shall comply with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules 2014" and its amendments from time to time in a letter and spirit.	Complied The project proponent has complied with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules 2014" and its amendments from time to time. The CER/CSR activities list given in condition no.125.

140.	The project management shall ensure that the unit complies with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	Complied. Unit has complied with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report. The same has been attached in Annuxure-XV**.**
141.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied The Unit has provided adequate funds and has not diverted the funds provided to implement the conditions stipulated by SEIAA as well as GPCB. The unit has allocated funds towards expenses of operation for waste water treatment plant, environmental monitoring, auditing and Hazardous waste disposal.
142.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy of each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied The advertisement regarding the environmental clearance was given in the local newspapers and the copy of the same was submitted to the concerned regional office.
143.	It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.	Complied The last compliance report was submitted on 25.05.2025 for the period of October-2024 to March-2025 to SPCB & MoEF&CC. A copy of the same is attached herewith as **Annexure-XII.**
144.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
145.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied Unit will strictly adhere to the stipulations made by the Gujarat Pollution Control Board.

146.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
147.	The company in a time bound manner shall implement these conditions. The SIEAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted.
148.	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied Unit has received fresh CC&A order No AWH-108072, dated 10/09/2020, Valid upto 19/02/2025 and further amendment was done with AWH-113931 dated on 22/09/2021 & AWH-113932 dated on 08/10/2021 and then latest CCA - AWH - 135512 dated 09.09.2024.
149.	This environmental clearance is valid for Ten years from the date of issue.	Noted.
150.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
151.	Submission of any false or misleading information or data which is material to screening of scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted.
B.4 COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION/APPEAL:		
152.	Project proponent shall submit certified compliance report of IRO, gandhinagar for Existing EC obtained within 10 days.	Complied
153.	Project Proponent shall inform all the concerned authorities including Municipal Corporation and District Collector and shall give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.	Complied Attached Point no. 142.
154.	Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition full on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of Compliance. Any Change in key person shall immediately be informed to SEIAA and all concern authorities.	Complied Environment Management Unit/Cell is shown below:

		
155.	Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MoEF&CC, GPCB and Nodal Department of the Government.	Complied The last compliance report was submitted on 25.05.2025 for the period of October-2024 to March-2025 to SPCB & MoEF&CC. A copy of the same is attached herewith as **Annexure-XII.**
156.	The Nodal Department or any authority or officer authorized by MoEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.	Noted.
157.	In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per environment protection Act, 1986 including SEIAA may cancel , withdraw or keep in abeyance, the Environment Clearance accorded.	Noted
158.	Any Person including the project proponent affected by this Environment clearance order may file appeal to Honorable National Green Tribunal West Zone Branch, Pune, Preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.	Noted
159.	All Complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a)msseiaagj@gmail.com & (b) seacgujarat@gmail.com	Noted

Annexure - II

BEIL INFRASTRUCTURE LIMITED
(Formerly Known As Bharuch Enviro Infrastructure Limited)

Ref. BEIL/ANK/2024

23RD MARCH, 2024

To,
AARTI INDUSTRIES LTD. (DIAMOND DIVISION - 58381)
PLOT NO. Z/103/C,
DAHEJ SEZ II,
TA-VAGRA, DIST-BHARUCH.

Sub: Membership Certificate for Common Solid Waste Disposal Facility.

Dear Sir,

We hereby certify that you have become member for **5 years up to 22/03/2029** for the common Solid/Hazardous waste disposal facility of BEIL Infrastructure Limited. (Formerly Known as Bharuch Enviro Infrastructure Limited.)., at GIDC, Dahej. You have booked solid waste quantity of **8176 MT/Years.** Your Membership No. is **OTH/841.**

Waste will be accepted after submitting valid authorization of GPCB.

1) Total TSDF Capacity of BEIL Dahej: 1900000 MT
2) Total Consented Capacity: 1900000 MT
3) Total Occupied Capacity: 1376628.989 MT
4) Spare Capacity: 0523371.011 MT

Thanking you,

Yours faithfully,
For BEIL Infrastructure Limited.
(Formerly Known as Bharuch Enviro Infrastructure Limited.)

Mr. Manoj Patel
(Vice President - Operations)

Membership Certificate Details

RSPL
Recycling Solutions Pvt. Ltd.

Certificate

To whomsoever it may concern

This is to certify that

Certificate No : 4100009271

AARTI INDUSTRIES LTD UNIT 2

PLOT NO Z/103/C
DAHEJ SEZ II, LAKHIGAM. TAL-VAGRA BHARUCH
DAHEJ
Gujarat

is a valid member of

Recycling Solutions Private Limited Unit-II

for Alternate Fuel Resource Facility.

This membership is valid for a period of
10 Years

Date of issue : 02.06.2020
Date of expiration : 01.06.2030
Place of issue : SURAT

For, Recycling Solutions Private Limited Unit-II

Director/Authorised signatory

Waste Information

SrNo	Type Of Waste	Sign Qty(TPA)	SrNo	Type Of Waste	Sign Qty(TPA)
1	DISTILLATION RESIDUE.	4,200.000			0.000
				Total Sign Qty (TPA)	4,200.000

SUBJECT TO JURISDICTION

Site Address
Plot No.208/2 GIDC Estate Panoli, Panoli-394 116
Dist. Bharuch, Gujarat. Phone: +91 2646 272026
CIN - [illegible]

Regd. office :
[illegible]
Mumbai - 400004.

E-mail
[illegible]

Website
[illegible]

BEIL INFRASTRUCTURE LIMITED
(Formely Known As Bharuch Enviro Infrastructure Limited)

04th SEPTEMBER, 2020

To,
AARTI INDUSTRIES LTD. (DAHEJ UNIT II)
PLOT NO.Z/103/C,
DAHEJ SEZ II,
TA-VAGRA, DIST-BHARUCH.

Sub: Membership Certificate for Common Incineration Facility

Dear Sir,

You are a member of our Common Incinerator Facility and your membership No. is **CI/BD/97**. We hereby certify that your booked quantity has increased from **10 MT/Year** to **60 MT/Year**.

Thanking you,

Yours faithfully,
For, BEIL Infrastructure Limited
(Formerly Known as Bharuch Enviro Infrastructure Ltd)

AUTHORISED SIGNATORY

RSPL
Recycling Solutions Pvt. Ltd.

To,

AARTI INDUSTRIES LTD UNIT-2

PLOT NO Z/103/C,

DAHEJ SEZ II, LAKHIGAM.

TAL-VAGRA BHARUCH-392130,

GUJARAT, INDIA

Date: 16.02.2024

Sub. : Waste acceptance at Waste Co- Processing Facility (Alternate Fuel Resource Facility).

Dear Sir,

We would like to inform you that we can accept your hazardous waste i.e. Liquid, Solid or Semi-solid at our Waste Co- Processing Facility (AFRF) RSPL unit at Panoli basis on actual waste samples analysis, the list of the waste is as per below.

Sr. no.	Type/ Name of Hazardous waste	Schedule cat.	Quantity (MT/ Annum)
1	Distillation Residue	26.1	10120

However, our acceptance is subjected to a quick check analysis prior to the actual receipt of waste and completion of membership process.

We assure you that we work in most economical way, as per the legal requirement and in an environmentally suitable manner.

RSPL , Panoli Total Waste Mix Pre-Processing capacity : 390 MT/Day

Please feel free to call undersigned or write us at marketing@rs-pl.com for any Query or clarification.

Thanking You.

Yours Faithfully,

For Recycling Solutions Pvt. Ltd

Authorized Signatory

Unit Location
Plot No. 223, GIDC Estate Panoli, Panoli - 394 116
Dist. Bharuch, Gujarat, India. Phone : +91 2646 272029
CIN - U37100MH2012PTC237696
E-mail : mail@rs-pl.com

Regd. Office
370, S V P Road, Shop 8, & Plot 384, Cigaretwala Bldg,
Opp. CBI, Prathna samaj, Nr. Harkishandas Hospital,
Mumbai - 400 034, Maharashtra, India.
Website : www.rs-pl.com

Annexure - III

2.0 STACK MONITORING REPORT

Period: September- 2025.

FOR

M/s. Aarti Industries Limited (Unit – 2).
(Diamond SEZ Unit)

At

Plot No. Z/103/C, Dahej SEZ Part-II,
Dahej-392 130, Tal. Vagara,
Dist. Bharuch, Gujarat, India.

Monitoring Organization

UniStar
Environment and Research Labs Pvt. Ltd.

Plot No.51, Vibrant Business Park,
NH No. 48, GIDC, Vapi – 396 195.
Dist-Valsad (Gujarat), India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-001	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-001	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/001	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/001
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/2025
Stack Sampling Attached to	**D.G. Set - 1 (2000 KVA)**		
Fuel Used	**Diesel**		
Air Pollution Control Device	--		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL-D/AIR/SMK/01**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**126 DTG 2018**
Calibration Date	**09/06/2025**	Next Calibration Due On	**08/06/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m^2	0.0079
4.	Ambient Temperature	^oC	32
5.	Flue Gas Temperature	^oC	120
6.	Exit Gas Velocity	m/s	11.5
7.	Exit Gas Flow	Nm^3/h	244.0

➢ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			**NAME OF GROUP – ATMOSPHERIC POLLUTION**		
Sr. No.	**Test Parameter**	**Unit of Measurement**	**Result**	**GPCB Limits**	**Test Method**
1.	Particulate Matter (PM)	mg/Nm^3	74	**150**	IS 11255(Part 1)
2.	Sulphur Dioxide (SO_2)	ppm	21	**100**	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO_X)	ppm	38	**50**	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.
Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
CIN: U73100GJ2007PTC051463

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-002	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-002	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/002	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/002
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/2025
Stack Sampling Attached to	**D.G. Set - 2 (2000 KVA)**		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL-D/AIR/SMK/01**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**126 DTG 2018**
Calibration Date	**09/06/2025**	Next Calibration Due On	**08/06/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m^2	0.0079
4.	Ambient Temperature	^oC	32
5.	Flue Gas Temperature	^oC	118
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm^3/h	236.7

➢ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			**NAME OF GROUP – ATMOSPHERIC POLLUTION**		
Sr. No.	**Test Parameter**	**Unit of Measurement**	**Result**	**GPCB Limits**	**Test Method**
1.	Particulate Matter (PM)	mg/Nm^3	70	**150**	IS 11255(Part 1)
2.	Sulphur Dioxide (SO_2)	ppm	18	**100**	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO_X)	ppm	35	**50**	IS 11255(Part 7)
4.	TVOCs	ppm	3.1	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-003	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-003	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/003	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/003
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/025
Stack Sampling Attached to	**D.G. Set - 3 (2000 KVA)**		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL-D/AIR/SMK/01**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**126 DTG 2018**
Calibration Date	**09/06/2025**	Next Calibration Due On	**08/06/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m^2	0.0079
4.	Ambient Temperature	^oC	32
5.	Flue Gas Temperature	^oC	122
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm^3/h	238.6

➢ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			**NAME OF GROUP – ATMOSPHERIC POLLUTION**		
Sr. No.	**Test Parameter**	**Unit of Measurement**	**Result**	**GPCB Limits**	**Test Method**
1.	Particulate Matter (PM)	mg/Nm^3	73	**150**	IS 11255(Part 1)
2.	Sulphur Dioxide (SO_2)	ppm	20	**100**	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO_X)	ppm	37	**50**	IS 11255(Part 7)
4.	TVOCs	ppm	3.0	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

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CIN: U73100GJ2007PTC051463

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-004	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-004	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/004	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/004
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant & Scrubber Connected to NSA. (S-1)**		
Air Pollution Control Devise	Alkali Scrubber		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	55

➢ **Test Parameter Results**

Sr. N No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO_2)	mg/Nm^3	350.5	**1250**	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO_3)	mg/Nm^3	20.4	**70**	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-005	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-005	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-2/06/005	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/005
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/2025
Stack Sampling Attached to	**Scrubber Connected to DCP. (S-2)**		
Air Pollution Control Devise	Alkali Scrubber		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL-D/AIR/SMK/01**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**126 DTG 2018**
Calibration Date	**09/06/2025**	Next Calibration Due On	**08/06/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	50

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm^3	22.2	**25**	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-006	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-006	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/006	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/006
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**Scrubber Connected to The Tanks (Tank Farm 1) (S-3)**		
Air Pollution Control Device	**Alkali Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	48

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL(MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-007	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-007	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/007	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/007
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**Scrubber Connected to The Tanks (Tank Farm 2) (S-4)**		
Air Pollution Control Device	**Alkali Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	40

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL(MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
3) **: Limit Not Define in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.
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CIN: U73100GJ2007PTC051463

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-008	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-008	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/008	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/008
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**Common Alkali Scrubber Connected to SO2 Tank Farm. (S-5)**		
Air Pollution Control Devise	**Alkali Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	51

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO_2)	mg/Nm^3	15.5	**40**	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-009	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-009	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/009	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/009
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**DCA Plant Vacuum Pump Storage Tank. (S-6)**		
Air Pollution Control Devise	**Water Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	42

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	TVOCs	ppm	BDL(MDL:0.1)	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-010	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-010	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/010	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/010
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/2025
Stack Sampling Attached to	**HNO3 Tank. (S-7)**		
Air Pollution Control Devise	**3 Stage Lime Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL-D/AIR/SMK/01**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**126 DTG 2018**
Calibration Date	**09/06/2025**	Next Calibration Due On	**08/06/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	45

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm^3	11.3	**25**	IS: 11255 (Part 7): 2005 RA.2017

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

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CIN: U73100GJ2007PTC051463

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-011	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-011	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/011	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/011
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**Liquid SO3 & Oleum Tank. (S-8)**		
Air Pollution Control Devise	**Acid Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	42

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO_2)	mg/Nm^3	30.4	**40**	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-012	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-012	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/012	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/012
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	15/09/2025
Stack Sampling Attached to	**SAC And TAR Plant. (S-9)**		
Air Pollution Control Devise	**Alkali Spray Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	45

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO_2)	mg/Nm^3	14.5	**40**	IS 11255 (Part 2)
2.	VOCs	ppm	2.3	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
3) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-013	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-013	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/013	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/013
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/2025
Stack Sampling Attached to	**DCP Plant: DCA Sulphate Vent. (S-10)**		
Air Pollution Control Devise	Venturi Water Scrubber		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	35

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO_2)	mg/Nm^3	15.5	**40**	IS 11255 (Part 2)
2.	VOCs	Ppm	2.2	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
3) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-014	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-014	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/014	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/015
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**DCP Drum Filling Scrubber. (S-11)**		
Air Pollution Control Devise	Alkali Scrubber		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	52

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	**ppm**	BDL(MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
3) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.
Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
CIN: U73100GJ2007PTC051463

Annexure - III

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-001

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - ETP Plant.

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. **2) Product:** Treated Effluent.

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025.

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	**Total Dust (mg/m^3)**	Handy Sampler	01	0.085	0.085	10 mg/m^3	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-002

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst **2) Product**- 2,5 Di Chloro Aniline

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025**.**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCA Plant (Ground Floor)	**TVOC'S (ppm)**	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	23	All Process Activities are running.	J. J. Lad	JITEN LAD
2	DCA Plant (1st Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**					
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**					

** Limit has not been defined as per factory act

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-003

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid, **2) Product**- Dichloro Phenol.

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025.

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (Ground Floor)	**TVOC'S (ppm)**	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	All Process Activities are running.	J. J. Lad	JITEN LAD
2	DCP Plant (1st Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**					
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**					

** Limit has not been defined as per factory act.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-004

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst., **2) Product**- 2,5 Di Chloro Aniline.

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025.

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCA Plant: 2nd Floor (MIC Top Collection Vessel) (2-V-0207)	**Methanol (ppm)**	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**200 ppm**	GC Method	23	All Process Activities are running.	J. J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-005

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid., **2) Product**- Dichloro Phenol.

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025.

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1st Floor) (3P0117-A)	**Phenol (ppm)**	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**5 ppm**	GC Method	04	All Process Activities are running.	J. J. Lad	JITEN LAD
2		**Sulphuric Acid (mg/m^3)**		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**1 mg/m^3**	EPA Method				
3		**Sulphur Dioxide (mg/m^3)**		01	0.085	0.085	**5 mg/m^3**	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-006

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - ETP Plant.

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. **2) Product:** Treated Effluent.

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025.

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	**Xylene-O (ppm)**	Handy Sampler	01	2.5	2.5	**100 ppm**	GC Method	15	All Process Activities are running.	J. J. Lad	**JITEN LAD**

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

Annexure - IV

3.0 NOISE LEVEL MONITORING REPORT

Period: September- 2025.

FOR

M/s. Aarti Industries Limited (Unit – 2).
(Diamond SEZ Unit)

At

Plot No. Z/103/C, Dahej SEZ Part-II,
Dahej-392 130, Tal. Vagara,
Dist. Bharuch, Gujarat, India.

Monitoring Organization

UniStar
Environment and Research Labs Pvt. Ltd.

Plot No.51, Vibrant Business Park,
NH No. 48, GIDC, Vapi – 396 195.
Dist-Valsad (Gujarat), India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/25/09/AIL-2/N-001	Date of Report:	04/10/2025
Name & Address of Industries	**M/s Aarti Industries Ltd (Diamond SEZ Unit).** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	**Ambient Noise**		
Sampling Method	**IS: 9989 : 1981.**		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	01/02/2025	31/01/2026

Date of Monitoring: 16/09/2025

DISCIPLINE – CHEMICAL TESTING		**NAME OF GROUP – ATMOSPHERIC POLLUTION**			
Sr. No.	**Location**	**Noise Level dB(A)**			
		Day Time	**Night Time**	**Permissible Limit CPCB**	
				Day Time	**Night Time**
1.	**Near ETP Area**	70.1	64.2	**75 dB (A)**	**70 dB (A)**
2.	**New D.G. Set**	72.2	66.4	**75 dB (A)**	**70 dB (A)**
3.	**Near Main Gate**	64.5	58.2	**75 dB (A)**	**70 dB (A)**
4.	**Near DCA Plant**	66.4	61.3	**75 dB (A)**	**70 dB (A)**
5.	**Near Material Gate**	63.4	57.2	**75 dB (A)**	**70 dB (A)**

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	**Category of Area/Zone**	**Limit in dB (A) Leq**	
		Day Time (6:00 am to 10:00 pm)	**Night Time (10:00 pm to 6:00 am)**
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.
Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
CIN: U73100GJ2007PTC051463

AARTI INDUSTRIES®

Annexure - XIII

Ref: AIL/DHJ/DIA/25-26/ENV/003
Date: 09/05/2025 **ID: 58381**

To,
Unit Head - Bharuch
Gujarat Pollution Control Board
Paryavaran Bhavan,Sector – 10 / A
Gandhinagar – 382 043

Subject : Submission of Annual Return Form-3 & Form-4 under Hazardous Waste Rule, 2016 for Apr-2024-Mar 2025.

Reference : The Hazardous And other Wastes (Management & Transboundary Movement) Rules 2016 & amended thereafter.

Respected Sir,

With reference to the above mentioned subject, please find herewith the Annual Return (form IV) for the period April - 2024 to March - 2025 in Form-3 and Form - 4 for M/s. Aarti Industries Limited (Unit-II) located at Plot No. Z/103/C Dahej SEZ-II, Dahej, Dist.: Bharuch, Gujarat-392130.

We hope that the above is in order.

Thanking you

Yours faithfully

For, Aarti Industries Limited (Unit-2)

Authorized Signatory

Encl : as above

Post Received
Gujarat Pollution Control Board
BHARUCH

CC: 1. The Regional Officer Bharuch
C-1/119/3, GIDC Phase II, Narmadanagar, Bharuch - 392015

2. The Unit Head - Hazardous Waste Cell, Gujarat Pollution Control Board
Paryavaran Bhavan,Sector – 10 / A, Gandhinagar – 382 043

FORM - 3

[See rules 6(5), 13(7), 14(6), 16(5) and 20 (1)]

FORMAT FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTE BY THE OCCUPIER OR OPERATOR OF A FACILITY

1. Name and address of the facility :**Aarti Industries Limited**
   Plot No. Z/103/C Dahej, SEZ-II
   Tal. Vagra, Bharuch-392130

2. Authorization No & Issue Date **CCA AWH-108072 dated 25/09/2020, Valid Upto 19/02/2025**
   CCA Amendment AWH-113931 dated 23/09/2021,
   CCA Amendment AWH-113932 dated 11/10/2021
   CCA Amendment AWH-123267 dated 04/07/2023
   CCA Amendment AWH- 305118 dated 09/09/2024
   CCA Renewal Applied vide inward ID - 327471 dated 05/02/2025

3. Description of Hazardous Waste handled (From 1st April 2024 to 31st March 2025):

4. Date wise description of management of hazardous and other wastes including products sent and to whom in case of recyclers or preprocessor or utiliser:

Waste Type	Category	Opening balance Quantity	Waste Generation Quantity	Dispatched Quantity	Quantity in storage at year end 31/03/2025	Method of Storage	Disposal Method	Description of Management of Hazardous Waste
		MT						
Distillation Residue	**26.1**	46.75	342.503	321.31	67.943	Impervious Storage & under shed	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF.	April 2024 to March 2025 Please Refer Annexure-1 for Month wise disposal and Management
ETP Waste	**35.3**	0.53	282.53	236.74	46.32	Impervious Storage & under shed	Collection, Storage, Transportation, disposal to TSDF/ Pre-Processing/ Co-processing	
Sulphur Sludge	**B2040**	0	0	0	0	Drums, Impervious Storage & under shed	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF	

Used Oil	**5.1**	0.8	0.3	0.83	0.27	Impervious Storage & under shed	Collection, Storage, Transportation, Disposal by send to authorized re-processors/recyclers	
Insulation Waste	**33.1**	1.34	8.55	9.76	0.13	Impervious Storage & under shed	Collection, Storage, Transportation disposal by at TSDF Site	
NRP/PPEs waste/bags/ Cotton Waste	**33.1**	2.77	11.8	9.76	4.81	Impervious Storage & under shed	Collection, Storage, Transportation and send to common TSDF Site, Co-processing/Pre Processing	
Discarded Containers or Bags	**33.1**	0.12	5.825	5.29	0.655	Impervious Storage & under shed	Collection, Storage, Decontamination, Disposal by sold to reprocessor/ Contaminated containers/bags to authorized recyclers/ decontamination facility / Pre-processing/ Co-processing	
Spent Carbon	**36.2**	0	150.99	110.04	40.95	Liner Bags, Impervious Storage & under shed	Collection, Storage, transportation and send to cement industry for co-processing/Pre Processing/CHWIF	
Spent Catalyst	**B1150 /26.5**	0	1.692	1.692	0	Impervious Storage & under shed	Collection, Storage, Transportation and Disposal to authourised regenerator having rule 9 permission and valid CCA after making MoU	
MEE Salt	**35.3**	13.9	71.9	84.53	1.27	Impervious Storage & under shed	Collection, Storage, Transportation disposal by at TSDF Site.	
Spent sulphuric acid	**26.3 & B-15**	0	0	0	0	Impervious Storage & under shed	Collection storage reuse in plant premises or transportation & send to actual end users having permission rule 9 & valid CCA after making MoU.	

Spent Sulphuric acid (Generate from Dye & Dyes intermediate industries)	**26.3 of SCH -I & B-15 in the foot note of SCH-II**	0	0	0	0	Impervious Storage & under shed	Reception, Storage and use as raw material in Dye & Dye Intermediate products name 2,5 DCP & its crude & 2,3 DCP & its crude.	
Spent Resin	**35.2**	0	0	0	0	Impervious Storage & under shed	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF	
Ro membrane / Cartridge filter	**36.2**	0	0	0	0	Impervious Storage & under shed	Collection, Storage, Transportation disposal by at TSDF Site	
Filter cloths	**36.2**	0	0	0	0	Impervious Storage & under shed	Collection storage Transportation and send to CHWIF for Incineration OR send to common TSDF site.	
Cotton waste	**33.2**	0	0	0	0	Impervious Storage & under shed	Collection storage Transportation and send to CHWIF for Incineration OR send to common TSDF site.	
Glass waste	**S7**	0	0	0	0	Impervious Storage & under shed	Collection storage Transportation and sent to Common TSDF Site or sold to scrap processors.	
PPE waste	**33.2**	0	0	0	0	Impervious Storage & under shed	Collection storage Transportation and send to CHWIF for incineration OR send to common TSDF site.	

Spent Nitrosyl Sulphuric acid (Generated from dyes & dyes intermediate industries)	**26.3 of SCH-I & B15 in the foot note of SCH-II**	0	0	0	0	Impervious Storage & under shed	Reception, Storage and use as raw material in Dye & Dye intermediate products name 2,5 DCP & its crude & 2,3 DCP & its crude	
Battery waste	**SCH-I V-17**	0	5.41	5.41	0	Impervious Storage & under shed	Collection, Storage, Transportation, Disposal by send to authorized re-processors/recyclers	

5. Date of environmental monitoring (as per authorisation or guidelines of Central Pollution Control Board):

Ambient Air Monitoring	: Weekly twice
VOC Monitoring	: Daily
Stack Analysis	: Monthly
Ground Water Analysis	: NA
Soil Analysis	: Annually
Effluent	: Regular monitoring (OCEMS Connected with GPCB/CPCB Server)
Workplace Monitoring (Form 37)	: Monthly
Noise Monitoring	: Monthly

Signature of Occupier

Date : 09/05/2025

Place : Dahej, SEZ-II

FORM 4

[See rules 6(5), 13(8), 16(6) and 20 (2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April 2024 to March 2025]

1. Name and address of the facility : **Aarti Industries Limited**
   Plot No. Z/103/C Dahej, SEZ-II
   Tal. Vagra, Bharuch-392130

2. Authorization No & Issue Date **CCA AWH-108072 dated 25/09/2020, Valid Upto 19/02/2025**
   CCA Amendment AWH-113931 dated 23/09/2021,
   CCA Amendment AWH-113932 dated 11/10/2021
   CCA Amendment AWH-123267 dated 04/07/2023
   CCA Amendment AWH- 305118 dated 09/09/2024
   CCA Renewal Applied vide inward ID - 327471 dated 05/02/2025

3. Name of the authorized person and full address with telephone, fax number and e-mail:

   Authorized Person Details are as follows:

   Name : Mr. Charudutta Joshi
   Address : Aarti Industries Limited
   Plot No. Z/103/C Dahej, SEZ-II
   Tal. Vagra, Bharuch-392130
   E-mail : env-diamond@aarti-industries.com

4. Production during the year (product wise), wherever applicable -

   Product wise Production is as follows for period April 2024 to March 2025 :-

2, 5 DCA	: 7943.88MT
2, 5 DCP	: 1499.70 MT
NSA	: 5080.39 MT
Sulphuric Acid	: 9481.20 MT
PDCB	: 15084.61MT
ML OF PDCB	: 2125.77MT

   (Month-wise details Attached in **Annexure-I**)

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise : Details in Table Below
2. Quantity dispatched : Details in Table Below
3. Quantity utilized in-house, If any : Details in Table Below
4. Quantity in storage at the end of the year : Details in Table Below

Sr. No.	Waste Type	Category	Opening balance Quantity	Waste Generation Quantity	Dispatched Quantity	Quantity in storage at year end 31/03/2025	Disposal Method	Quantity Utilized in-house
			MT					
1	Distillation Residue	26.1	46.75	342.503	321.310	67.943	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF.	NIL
2	ETP Waste	35.3	0.53	282.530	236.74	46.320	Collection, Storage, Transportation, disposal to TSDF/ Pre-Processing/ Co-processing	NIL
3	Sulphur Sludge	B2040	0	0	0	0	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF	NIL
4	Used Oil	5.1	0.8	0.300	0.83	0.27	Collection, Storage, Transportation, Disposal by send to authorized re-processors/recyclers	NIL
5	Insulation Waste	33.1	1.34	8.550	9.76	0.13	Collection, Storage, Transportation disposal by at TSDF Site	NIL
6	NRP/PPEs waste/bags /Cotton	33.1	2.77	11.800	9.760	4.810	Collection, Storage, Transportation and send to common TSDF Site, Co-processing/Pre Processing	NIL

	Waste							
7	**Discarded Containers or Bags**	**33.1**	0.12	5.825	5.29	0.655	Collection, Storage, Decontamination, Disposal by sold to reprocessor/ Contaminated containers/bags to authorized recyclers/ decontamination facility / Pre-processing/ Co-processing	NIL
8	**Spent Carbon**	**36.2**	0.00	150.99	110.04	40.950	Collection, Storage, transportation and send to cement industry for co-processing/Pre Processing/CHWIF	NIL
9	**Spent Catalyst**	**B1150/2 6.5**	0	1.692	1.692	0.000	Collection, Storage, Transportation and Disposal to authounised regenerator having rule 9 permission and valid CCA after making MoU	NIL
10	**MEE Salt**	**35.3**	13.9	71.900	84.53	1.270	Collection, Storage, Transportation disposal by at TSDF Site.	NIL
11	**Spent sulphuric acid**	**26.3 & B-15**	0	0	0	0	Collection storage reuse in plant premises or transportation & send to actual end users having permission rule 9 & valid CCA after making MoU.	NIL
12	**Spent Sulphuric acid (Generate from Dye & Dyes Intermediate Industries)**	**26.3 of SCH -I & B-15 in the foot note of SCH-II**	0	0	0	0	Reception, Storage and use as raw material in Dye & Dye intermediate products name 2,5 DCP & its crude & 2,3 DCP & its crude.	NIL
13	**Spent Resin**	**35.2**	0	0	0	0	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF	NIL

14	**Ro membrane / Cartridge filter**	**36.2**	0	0	0	0	Collection, Storage, Transportation disposal by at TSDF Site	NIL
15	**Filter cloths**	**36.2**	0	0	0	0	Collection storage Transportation and send to CHWIF for incineration OR send to common TSDF site.	NIL
16	**Cotton waste**	**33.2**	0	0	0	0	Collection storage Transportation and send to CHWIF for incineration OR send to common TSDF site.	NIL
17	**Glass waste**	**S7**	0	0	0	0	Collection storage Transportation and sent to Common TSDF Site or sold to scrap processors.	NIL
18	**PPE waste**	**33.2**	0	0	0	0	Collection storage Transportation and send to CHWIF for incineration OR send to common TSDF site.	NIL
19	**Spent Nitrosyl Sulphuric acid (Generated from dyes & dyes intermediate Industries)**	**26.3 of SCH-I & B15 in the foot note of SCH-II**	0	0	0	0	Reception, Storage and use as raw material in Dye & Dye intermediate products name 2,5 DCP & its crude & 2,3 DCP & its crude	905.11MT
20	**Battery waste**	**SCH-IV-17**	0	5.41	5.41	0	Collection, Storage, Transportation, Disposal by send to authorized re-processors/recyclers	NIL

Part B. To be filled by Treatment, storage and disposal facility operators

1. Total quantity received - **N.A.**
2. Quantity in stock at the beginning of the year - **N.A.**
3. Quantity treated - **N.A.**
4. Quantity disposed in landfills as such and after treatment - **N.A.**
5. Quantity incinerated (if applicable) - **N.A.**
6. Quantity processed other than specified above - **N.A.**
7. Quantity in storage at the end of the year - **N.A.**

Part C. To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year- **905.11 MT**
   a. domestic sources
   b. imported (if applicable)
2. Quantity in stock at the beginning of the year - **0.00**
3. Quantity recycled or co-processed or used - **905.11 MT**
4. Quantity of products dispatched (wherever applicable) - **N.A.**
5. Quantity of waste generated - **0.00**
6. Quantity of waste disposed - **0.00**
7. Quantity re-exported (wherever applicable) - **N.A.**
8. Quantity in storage at the end of the year - **0.00**

Date : 09/05/2025

Place : Dahej, SEZ-II

Signature of the Occupier or Operator of the disposal facility

Annexure - I : Monthwise Details

Production Details - IN MT

Sr. No.	Month	2,5 Dichloro Aniline	2,5 Dichloro Phenol	Nitrosyl Sulphuric Acid	Sulphuric Acid	PDCB	Mixture of PDCB
1.	April-24	453.88	24	326.4	187	1208	180
2.	May-24	440	105.2	33	695	1229.76	215.766
3.	June-24	700	98	488	618	1175	163.296
4.	July-24	365	11.6	0	118	1301	187
5.	Aug-24	782	77	0	388	1358	203
6.	Sept-24	778	128	716	874	1330	197
7.	Oct-24	874	281	685	1776	1420	173
8.	Nov-24	235	52	939	294	1177	192
9.	Dec-24	795	233	729	1472	1336	188
10.	Jan-25	1008	207	342	1100	1416	180
11.	Feb-25	608	122.9	506.992	871.2	1235.851	144.71
12.	March-25	905	160	315	1088	898	102
Total		**7943.88**	**1499.70**	**5080.39**	**9481.20**	**15084.61**	**2125.77**

Hazardous -Waste Generation & Disposal Details

Cat : 26.1 Distillation Residue In MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	46.75	6.970	7.650	46.070
May-24	46.070	15.525	51.99	9.605
June-24	9.605	27.100	9.44	27.265
July-24	27.265	33.700	41.92	19.045
August-24	19.045	15.733	8.85	25.928
September-24	25.928	18.275	0.00	44.203
October-24	44.203	19.150	10.080	53.273
November-24	53.273	30.600	30.31	53.563
December-24	53.563	24.000	51.94	25.623
January-25	25.623	35.970	32.51	29.083
February-25	29.083	24.480	38.240	15.323
March-25	15.323	91.000	38.380	67.943
Total	Op. stock @ 46.75 MT on 01/04/2024	342.503	321.310	Cl. stock @ 67.943 MT on 31/03/2025

Cat : 35.3 ETP Waste In MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	0.53	13.400	13.37	0.560
May-24	0.560	17.720	16.59	1.690
June-24	1.690	15.680	0.00	17.370
July-24	17.370	15.560	0.00	32.930
August-24	32.930	29.520	12.48	49.970
September-24	49.970	17.440	0.00	67.410
October-24	67.410	0.000	17.680	49.730
November-24	49.730	0.000	0.00	49.730

December-24	49.730	0.000	48.600	1.130
January-25	1.130	53.520	44.87	9.780
February-25	9.780	74.690	64.500	19.970
March-25	19.970	45.000	18.65	46.320
Total	Op. stock @ 0.53 MT on 01/04/2024	282.530	236.74	Cl. stock @ 46.320 MT on 31/03/2025

Cat : B2040 Sulphur Sludge in MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	0	0	0	0
May-24	0	0	0	0
June-24	0	0	0	0
July-24	0	0	0	0
August-24	0	0	0	0
September-24	0	0	0	0
October-24	0	0	0	0
November-24	0	0	0	0
December-24	0	0	0	0
January-25	0	0	0	0
February-25	0	0	0	0
March-25	0	0	0	0
Total	Op. stock @ Zero on 01/04/2024	0	0	Cl. stock @ Zero on 31/03/2025

Cat : 5.1 Used Oil In MT				
Month	Opening Balance	Generation	Disposal	Closing Balance
April-24	0.8	0.000	0.00	0.800
May-24	0.800	0.000	0.00	0.800
June-24	0.800	0.000	0.00	0.800
July-24	0.800	0.200	0.00	1.000
August-24	1.000	0.100	0.00	1.100
September-24	1.100	0.000	0.00	1.100
October-24	1.100	0.000	0.00	1.100
November-24	1.100	0.000	0.00	1.100
December-24	1.100	0.000	0.00	1.100
January-25	1.100	0.000	0.83	0.270
February-25	0.270	0.000	0.00	0.270
March-25	0.270	0.000	0.00	0.270
Total	Op. stock @ 0.80 MT on 01/04/2024	0.300	0.83	Cl. stock @ 0.270 MT on 31/03/2025

Cat : 33.1 Insulation Waste In MT				
Month	Opening Balance	Generation	Disposal	Closing Balance
April-24	1.34	0.200	0.00	1.540
May-24	1.540	0.350	1.74	0.150
June-24	0.150	1.800	1.74	0.210
July-24	0.210	0.800	0.00	1.010
August-24	1.010	0.250	0.00	1.260
September-24	1.260	0.150	0.00	1.410
October-24	1.410	0.200	0.00	1.610
November-24	1.610	1.600	0.00	3.210
December-24	3.210	1.200	4.16	0.250
January-25	0.250	0.300	0.00	0.550

February-25	0.550	0.250	0.00	0.800
March-25	0.800	1.450	2.12	0.130
Total	Op. stock @ 1.34 MT on 01/04/2024	8.550	9.76	Cl. stock @ 0.130 MT on 31/03/2025

Cat : 33.1 Discarded Containers and Bags in MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	0.12	0.100	0.00	0.220
May-24	0.220	0.770	0.88	0.110
June-24	0.110	0.000	0.00	0.110
July-24	0.110	0.000	0.00	0.110
August-24	0.110	0.730	0.84	0.000
September-24	0.000	0.000	0.00	0.000
October-24	0.000	0.000	0.00	0.000
November-24	0.000	1.000	0.94	0.060
December-24	0.060	0.800	0.00	0.860
January-25	0.860	0.125	0.92	0.065
February-25	0.065	1.800	1.710	0.155
March-25	0.155	0.500	0.00	0.655
Total	Op. stock @ 0.120 on 01/04/2024	5.825	5.29	Cl. stock @ 0.655 MT on 31/03/2025

Cat : 33.1 NRP waste PPEs, Cotton Waste In MT				
Month	Opening Balance	Generation	Disposal	Closing Balance
April-24	2.77	1.300	0.00	4.070
May-24	4.070	1.500	2.93	2.640
June-24	2.640	0.800	2.63	0.810
July-24	0.810	2.500	0.00	3.310
August-24	3.310	3.500	4.20	2.610
September-24	2.610	1.200	0.00	3.810
October-24	3.810	0.500	0.00	4.310
November-24	4.310	0.500	0.00	4.810
December-24	4.810	0.000	0.000	4.810
January-25	4.810	0.000	0.000	4.810
February-25	4.810	0.000	0.000	4.810
March-25	4.810	0.000	0.000	4.810
Total	Op. stock @ 2.77MT on 01/04/2024	11.800	9.76	Cl. stock @ 4.810 MT on 31/03/2025

Cat : 36.2 Spent Carbon In MT				
Month	Opening Balance	Generation	Disposal	Closing Balance
April-24	0.00	0.00	0.00	0.00
May-24	0.00	0.000	0.00	0.00
June-24	0.00	0.000	0.00	0.00
July-24	0.00	0.000	0.00	0.00
August-24	0.00	0.000	0.00	0.00
September-24	0.00	0.000	0.00	0.00
October-24	0.00	26.010	10.290	15.72
November-24	15.72	71.980	45.06	42.64

December-24	42.64	53.000	50.22	45.42
January-25	45.42	0.000	4.47	40.95
February-25	40.95	0.000	0.000	40.95
March-25	40.95	0.000	0.00	40.95
Total	Op. stock @Zero on 01/04/2024	150.99	110.04	Cl. stock @ 40.95MT on 31/03/2025

Cat : B1150 Spent Catalyst In MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	0	0.000	0.00	0.000
May-24	0.000	0.981	0.98	0.000
June-24	0.000	0.000	0.00	0.000
July-24	0.000	0.000	0.00	0.000
August-24	0.000	0.000	0.00	0.000
September-24	0.000	0.000	0.00	0.000
October-24	0.000	0.000	0.00	0.000
November-24	0.000	0.000	0.00	0.000
December-24	0.000	0.000	0.00	0.000
January-25	0.000	0.711	0.71	0.000
February-25	0.000	0.000	0.00	0.000
March-25	0.000	0.000	0.00	0.000
Total	Op. stock @ Zero on 01/04/2024	1.692	1.692	Cl. stock @ Zero on 31/03/2025

Cat : 35.3 MEE Salt In MT				
Month	Opening Balance	Generation	Disposal	Closing Balance
April-24	13.9	5.400	16.42	2.880
May-24	2.880	30.000	26.03	6.850
June-24	6.850	13.000	12.48	7.370
July-24	7.370	12.000	0.00	19.370
August-24	19.370	7.000	12.03	14.340
September-24	14.340	2.000	0.00	16.340
October-24	16.340	2.500	0.000	18.840
November-24	18.840	0.000	0.00	18.840
December-24	18.840	0.000	8.010	10.830
January-25	10.830	0.000	9.56	1.270
February-25	1.270	0.000	0.00	1.270
March-25	1.270	0.000	0.00	1.270
Total	Op. stock @ 13.9 MT on 01/04/2024	71.900	84.53	Cl. stock @ 1.270 MT on 31/03/2025

Cat : B15/26.3 INORGANIC ACIDS (SPENT ACIDS) In MT				
Month	Opening Stock	Receiving	Consumption	Closing Stock
April-24	0	170.7	170.7	0
May-24	0	73.01	73.01	0
June-24	0	0	0	0
July-24	0	0	0	0
August-24	0	0	0	0
September-24	0	0	0	0
October-24	0	99.39	99.39	0
November-24	0	74.33	74.33	0
December-24	0	24.01	24.01	0

January-25	0	74.99	74.99	0
February-25	0	123.98	123.98	0
March-25	0	264.7	264.7	0
Total	Op. stock @ 0.00 MT on 01/04/2024	905.11	905.11	Cl. stock @ 0.00 MT on 31/03/2025

Cat Sch -IV : Battery waste MT				
Month	**Opening Stock**	**Receiving**	**Consumption**	**Closing Stock**
April-24	0	0	0	0
May-24	0	0	0	0
June-24	0	0	0	0
July-24	0	0	0	0
August-24	0	5.41	5.41	0
September-24	0	0	0	0
October-24	0	0	0	0
November-24	0	0	0	0
December-24	0	0	0	0
January-25	0	0	0	0
February-25	0	0	0	0
March-25	0	0	0	0
Total	Op. stock @ 0.00 MT on 01/04/2024	5.41	5.41	Cl. stock @ 0.00 MT on 31/03/2025

Annexure - VI

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

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

संख्यां /No. : **P/WC/GJ/15/2712 (P423120)** दिनांक /Dated : **02/09/2022**

सेवा में
/To,

M/s. AARTI INDUSTRIES LIMITED,
PLOT NO. - Z-103/C, DAHEJ SEZ - (PART -2), ,
Dahej,
Taluka: Vagra,
District: BHARUCH,
State: Gujarat
PIN: 392130

विषय /Sub : **Plot No, Z-103/C, DAHEJ SEZ -II, Dahej To Vagra Road, DAHEJ, Vagra, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392130** में स्थित पेट्रोलियम वर्ग **A** अधिष्ठापन - पेट्रोलियम नियम 2002 के अंतर्गत प्ररूप XV में जारी अनुज्ञप्ति सं **P/WC/GJ/15/2712 (P423120)** – संशोधन के संदर्भ में ।

Existing Petroleum Class **A** Installation at **Plot No, Z-103/C, DAHEJ SEZ -II, Dahej To Vagra Road, DAHEJ, Vagra, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392130**- Licence No. **P/WC/GJ/15/2712 (P423120)** - granted in form XV under Petroleum Rules 2002 - Amendment regarding

महोदय
/Sir(s),

कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या **OIN1117305** दिनांक **23/08/2022** का संदर्भ ग्रहण करें ।

Reference to your letter No. **OIN1117305** dated **23/08/2022** on the above subject.

दिनांक **31/12/2025** तक वैध अनुज्ञप्ति संख्या **P/WC/GJ/15/2712 (P423120)** दिनांक **02/09/2022** निम्नलिखित वर्ग एवं मात्राओं में पेट्रोलियम भंडारण के लिए यथा संशोधित कर इस पत्र के साथ लौटाई जा रही है ।

Licence No. **P/WC/GJ/15/2712 (P423120)** dated **02/09/2022** valid upto **31/12/2025** is returned herewith duly amended with respect to Capacity Amendment,

पेट्रोलियम का विवरण /Description of Petroleum	किलोलीटरों में अनुज्ञप्ति क्षमता /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A, in bulk	**61.00 KL**
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	**NIL**
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B, in bulk	**NIL**
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	**NIL**
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C, in bulk	**NIL**
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C,otherwise than in bulk	**NIL**
कुल क्षमता /Total	**61.00 KL**

कृपया पावती दें।
Please acknowledge the receipt.

भवदीय /Yours faithfully,

((गणेश आर.)
(GANESH R.))
उप विस्फोटक नियंत्रक

Dy. Controller of Explosives
कृते संयुक्त मुख्य विस्फोटक नियंत्रक
For Jt. Chief Controller of Explosives
वडोदरा/Vadodara

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : http://peso.gov.in देखें)
(For more information regarding status,fees and other details please visit our website: http://peso.gov.in)

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

AARTI INDUSTRIES®

Annexure - XVI

Ref. No.- AIL/Lic. No.41555/2024-25/05 **Date: 21/10/2024**

To,
The Deputy Director,
Industrial Safety and Health,
2nd Floor, Near Gayatri Nagar,
Kanbivaga, Bahumali Building,
Bharuch 392001

Subject: Submission of On Site Emergency Plan for Aarti Industries Limited Mfg. location Plot No. Z/103/C, Dahej SEZ II, Tal. Vagra, Dist. Bharuch

Ref.: Factory License No. 41555

Aarti Industries Limited (AIL) operates a fully integrated manufacturing set-up of specialty chemicals at Plot No. Z/103/C, Dahej SEZ II, Tal. Vagra, Dist. Bharuch . We have updated the On Site Emergency Plan as per Sec 41 B (4) of The Factories Act 1948 & Gujarat Factories Rule 1963 -68J (12) Schedule 8A , Rule 13 (1) under MSIHC Rule 1989. The updated On Site Emergency Plan is enclosed herewith for your record please.

Kindly acknowledge the receipt of the same and oblige.

Thanking you in kind anticipation.

Yours Sincerely,
For, Aarti Industries Limited,
Plot No. Z/103/C, SEZ II, Dahej,

23/10/2024
ઔદ્યોગિક સલામતી અને સ્વાસ્થ્ય
ભરૂચ

Authorized Signatory
Sandip Parekh

Enclosure: Original copy of Revised On Site Emergency Plan Oct. 2024

Annexure - XIV

AARTI INDUSTRIES LIMITED

Date: 14.07.2023

To,
The Deputy Director,
Industrial Safety and Health,
2nd Floor, Near Gayatri Nagar,
Kanbivaga, Bahumali Building,
Bharuch 392001.

Subject: Submission of documents as discussed during the meeting.

Respected Sir,

This is with reference to the discussion held on 01/07/2023 at Bharuch,Please find following documents as advised.

Sr. No.	Particulars	Status
1	Pressure Vessel testing of all vessels as per RULE61 of GFR 1963.	Total No.of **Pressure Vessels** : 46 Nos. **Testing Completed**: 46 Nos. **Annexure A**: Summary of Pressure Vessels
2	Third Party Safety Audit Report as per IS 14489:2018 , Its Recommendations & Compliance.	A Third Party Safety audit was conducted on Sep. 22 and compliance report is attached as an Annexure B. **Refer Annexure B. Compliance Report**
3	Updated Onsite Emergency Plan	The Updated Onsite Emergency Plan is attached as on June-2023 **Annexure C: On site Emergency Plan**
4	Workplace area monitoring report , Form No-37	The workplace monitoring is being carried out on a weekly basis at key identified locations **Annexure D: Workplace area monitoring record,**
5	Medical Examination report as per targeted organs	Medical Examination is being conducted periodically. The list of tests are attached for your reference , Sample report is attached **Annexure E1 : Medical test** **Annexure E2 : Sample PME Report.** **Annexure E3 : CIH certificate of FMO.**
6	Fire adequacy Study & Report	1. The Provisional **Fire NOC** was obtained from Bharuch Nagarpalika in Dec. 2019 attached as annexure F1. 2. Compliance Report as per **GFR 1963 Rule 66A.** 3. PO Copy of Fire Adequacy study is attached and work will be completed before 30.09.2023. PO NO: **4580511363 and 4580511622** **Annexure F1: Fire NOC** **Annexure F2: Compliance report of Rule 66 A** **Annexure F3: PO copy for Fire Adequacy Study.**
7	DISH circular compliance	The compliance to DISH circular is attached herewith. **Annexure G1:Compliance report as per DISH circular .** **Annexure G2:CO2 flooding system installation certificate**

Thanking You,
For, Aarti Industries Limited,

Sandip Parekh
(Authorized Signatory)

14/7/2023
જુનિયર ક્લાર્ક
ઔદ્યોગિક સલામતી અને સ્વાસ્થ્ય
ભરૂચ

Annexure - XV

Compliance of Risk Assessment Recommendations from EIA		
Sr. No.	**Condition**	**Compliance**
A.	**STORAGE DETAILS OF RAW MATERIALS**	
i.	**Recommendations for storage of Methanol**	
1	Proper storage area shall be provided.	Complied, A separate area with well boundaries has been made for the storage of Methanol according to PESO guidelines.
2	Eye wash station shall be provided	Complied. Unit has Provided Safety Sower within the storage yard boundary with easy access to that location.
3	Chilling Water Circulation shall be provided.	Complied Chilling Water Circulation has been provided.
4	PPEs shall be used	Complied All workmen use appropriate PPE during working time.
5	Self-contained breathing apparatus shall be used	Complied. Adequate no. of SCBA available on site. SCBA training has been provided to all concerned workers and employees.
6	PPEs like Splash goggles, Full suit, Vapor respirator or self contained breathing apparatus, Gloves etc., shall be used while handling this chemical	Complied All workers and Employees use appropriate tested PPEs at the time of chemical handling.
B.	**STORAGE AND HANDLING OF SOLID CHEMICALS**	
i.	**Handling Chemical Bags**	
1	PPEs like suitable protective clothing, gloves, face shield, dust and splash proof safety goggles, chemically resistant safety shoes, etc. shall be used	Complied All workers and Employees are compulsorily using appropriate tested PPE during chemical handling time.
2	Standard Approved respirator shall be used.	Complied. Standard approved dust respirators are used.

3	Eyewash station and safety showers shall be made available	Complied. Plant wise ,Floor wise installed safety shower and eye wash station i.e Dyphoterine kits boxes.
4	Dust monitoring shall be carried out periodically	Complied. Dust monitoring is being carried out monthly by a third party.
ii.	**Cleaning of Chemical Spillage.**	
1	Certified Dust respirator shall be used	Complied. ISI certified dust mask is provided to all workers and employees who are working at a dusty workplace. Form 37 (Workplace Monitoring) attached in **Annexure .**
2	PPEs shall be used.	Complied. All workmen use appropriate PPEs during working time.
3	Chemicals will be stored in isolated storage rooms having provision for natural & forced ventilation.	Complied. Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.
4	Spillage shall be cleaned or neutralized with suitable media	Complied. Spillages will be cleaned/neutralized with suitable media when required.
5	Fire fighting facilities shall be made available near storage locations, if required	Complied. Near the storage yard, Portable fire extinguishers stand, Fire bucket stands, Fire Hydrant Systems, Fire Manual call points, Fire alarm etc has been provided.
	Additional Recommendations	
1	Operators/Workers to be trained for Safe Work Practices	Complied. Safety training is provided periodically for Safe Work Practices and job SOP is given to all employees.
2	Chemical handling bags & dusty area to be labeled properly for each chemicals.	Complied. Chemical bags and dusted areas are labeled properly for each chemical.

C.	STORAGE AND HANDLING OF SULPHURIC ACID	
i.	**Sulphuric Acid Loading & Unloading.**	
1	Loading & Unloading activity shall be carried out in well ventilated area.	Complied. Loading & Unloading it is done in open area.
2	Neutralization media shall be made available in areas where acid is stored/handled/used.	Complied. Caustic available for neutralization where sulphuric acid is stored/handled/used.
3	PPEs will be used.	Complied. PPEs are used.
ii.	**Working in Storage Area**	
1	Storage area shall be well ventilated	Complied. Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.
2	Neutralization shall be done immediately with soda ash/lime or spill shall be absorbed in sand or by suitable adsorbent	Complied. Caustic is available for neutralization in case of spill
3	PPEs like face mask, gloves etc. shall be worn by concerned person	Complied. PPEs are compulsory to be worn by all employees during work and before issuing work permits.
4	Floors shall be made of acid proof tiles	Complied. Unit has provided acid proof tiles for the storage area.
iii.	**Tank overflow/leakage from joints etc**	
1	Same as Above.	Complied. Dyke walls have been provided to restrict overflow of chemicals from storage tanks in the tank farm area. Photograph of dyke wall attached is given in point No. 77 in EC Compliance report.
	Additional Recommendations	
1	Work Instruction for checking tank level to be prepared and followed.	Complied. Work Instructions for checking tank level have been prepared and followed.
D.	**STORAGE AND HANDLING OF DRUMS**	

i	**Drums Unloading from Truck by forklift.**	
1	Truck shall be inspected properly before unloading the barrels.	Complied. Trucks are inspected properly before unloading the barrels.
2	Spill containment kit shall be made available to contain the leaking barrel.	Complied. Spill containment kit is available to contain the leaking barrels.
3	Hot work or source of ignition shall be avoided near the unloading area.	Complied Process plant and unloading area are restricted for doing hot work and kept away from all types of ignition sources.
4	Fire extinguishers to be kept available.	Complied. All floors of the plant are designed and provided with fire fighting equipment like fire extinguishers, hydrant post, hose reels, Hose boxes, fire MCP points, Fire alarm system etc.
5	Appropriate PPEs like Safety Goggles, Butyl or Nitrile rubber gloves, gumboot, plastic apron etc shall be used.	Complied. Unit has provided appropriate PPEs like Safety Goggles, Butyl or Nitrile rubber gloves, gumboot, plastic apron etc
	Additional Recommendations	
1	SOPs to be prepared and followed.	Complied. All SOPs are prepared and followed.
2	Foam type fire extinguisher to be provided in nearby location.	Complied. Mechanical Foam type fire extinguishers with trolley mounted has been provided near storage tank farms and the process plant.
3	Fire monitor with provision of connection of foam to be provided.	Complied. Fire monitor connected to a foam trolley has been provided near the storage tank farm and PESO tank area.
ii.	**Transfer of chemicals from drums to plant/reactor**	

1	PPEs shall be used.	Complied. PPEs are used.
iii.	**Drum/Barrels Storage Area**	
1	PPEs are used.	Complied. PPEs are used.
iv.	**Cleaning of empty drums**	
1	PPEs like face mask	Complied. PPEs like face mask are used.
E.	**COMMENTS / RECOMMENDATIONS BASED ON CONSEQUENCE ANALYSIS**	
	Recommendations	
1	Evacuation routes shall be planned such that alternate route is available from any corner in more than one direction	Complied. Plant consists of two main roads accordingly from two gates and are inter crossing with three roads across the plant.Inside of plant premises, two assembly points have been made One near Main gate security and Another is near COP area.
2	Extra precautions to be taken in unloading of flammable/toxic chemicals. The details of precautions during storage handling and transportation of chemicals have been given in separate paragraph.	Complied. During the unloading of the methanol PESO tank is blanketed with nitrogen and through a 3 way breathed valve its vent through a flame arrestor.
3	Firefighting arrangements shall be provided as per the guidelines of OISD	Complied. Fire fighting systems installed and designed in the plant as per the NFPA and OISD guideline.
4	Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. to be adopted for the safe operation of plant at appropriate stage.	Complied. Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. have been adopted for the safe operation of plant at appropriate stage.
F.	**PROPOSED SAFETY/CONTROL MEASURES TO REDUCE THE RISK OF FIRE, EXPLOSION AND TOXIC RELEASE**	
i.	**Transportation of Chemicals, by Road Tanker or Truck.**	

1	Training will be provided to driver and cleaner regarding the safe driving, hazards of Flammable chemicals, emergency handling, and use of SCBA sets.	Complied. All entry vehicles with driver and helper have to make temporary gate passes and within the procedure ,their health check up is done by OHC & training induction is given regarding the safe driving, hazardous chemical handling and how to handle an emergency situation.
2	TREM card & SCBA set will be kept with TL.	Complied. As per GPCB & our check list of transporting vehicles, It's mandatory to keep a TREM CARD. The driver is provided with SCBA when required.
3	Fire extinguishers will be kept with TL.	Complied. Portable fire extinguishers are compulsory to be kept in the truck or tanker carrying the hazardous chemicals
4	Flame arrestor will be provided to TL exhaust.	Complied. Flame arrestors have been kept at the main gate and are installed on the exhausts of all vehicles entering the company premises.
5	Instructions will be given not to stop the truck in populated area.	Complied. As per the TREM CARD instructions, It is strictly prohibited to stop the vehicle in a populated area.
6	Hazard Identification symbol and emergency telephone number will be displayed as per HAZCHEM CODE.	Complied. In the EIP panel, it is mandatory to put the Hazard identification symbol ,Hazchem code. In the TREM card, emergency telephone numbers to be contacted during the emergency situation are mentioned.
7	Appropriate PPEs will be kept with TL	Complied. Appropriate, tested and effective PPEs are mandatory to be kept available and are used.
	In case of leak or spill:	
1	Area & Container will be isolated.	Complied. In case of a leak or spill, the Operation team immediately takes action on it. Area of spillage is isolated from the work zone and containers are also kept separately.

2	Source of leakage will be checked.	Complied. In case of a leak spill, the operation & safety team first takes action to identify the source of leakage and immediately stop the leak or spill as per the SOP.
3	Damaged containers or spilled material shall not be attended without wearing appropriate protective clothing.	Complied. Appropriate PPEs and protective clothing is provided to handle damaged containers or spilled material.
4	Leakage will be stopped, if possible to do so without risk.	Complied Leakages are stopped without risks if possible.
5	Combustibles (wood, paper, oil, etc.) shall be kept away from spilled material.	Complied Combustibles are kept away from any spilled material.
ii.	**Unloading of Solvent Drums /Barrels from Truck.**	
1	Priority will be given for truck to immediately enter the storage premises at site and will not be kept waiting near the gate or the main road.	Complied Unit gives priority to trucks immediately entering the storage premises at site and is not kept waiting near the gate or the main road.
2	Security person will check License, TREM CARD, Fire extinguisher condition; SCBA set condition, Antidote Kit, required PPEs as per SOP laid down.	Complied Security personnel check License, TREM CARD, Fire extinguisher condition; SCBA set condition, Antidote Kit, required PPEs as per SOP laid down.
3	QC check & other required checks shall be done & after the approval of same, unloading procedure will be allowed.	Complied. QC check & other required checks is done & after the approval of same, unloading procedure is allowed.
	Following precautions will be taken during unloading:	
1	Wheel stopper will be provided to TL at unloading platform.	Complied Wheel stopper is provided to TL at unloading platform.
2	Unloading procedure will be followed according to check list.	Complied Unloading procedure is followed according to checklist.

3	Only day time unloading will be permitted.	Complied Only day time unloading is permitted.
iii.	**Chemical Storage Area safety.**	
1	All storage areas shall be isolated from all sources of open flame and well posted with “Hazardous Chemical Storage”, “No Smoking”, “Hot work Restricted” signs.	Complied. All storage areas are isolated from all sources of open flame. Signs such as “Hazardous Chemical Storage”, “No Smoking”, “Hot work Restricted” are posted at all storage areas.
2	Spark-resistant tools will be used.	Complied. Spark-resistant tools such as spark arrestors and FLP equipment are used.
3	Pipes and equipment shall be inspected at regular intervals.	Complied. Pipes and equipment are inspected at regular intervals.
4	Water spray shall be used to reduce vapors (by taking care that water is not directed straight away on leak, spill area or inside container).	Complied Water spray is used to reduce vapors.
5	Combustibles (wood, paper, oil, etc.) shall be kept away from spilled material.	Complied. Unit has ensured that combustibles (wood, paper, oil, etc.) are kept away from spilled material.
6	MS or HDPE storage drums will be provided as per good engineering practices.	Complied Unit has ensured that MS or HDPE storage drums are provided.
7	Storage area will be provided with adequate fire fighting/extinguishing system, Fire hydrant monitor with foam attachment facility, etc.	Complied Storage area has been provided with adequate fire fighting/extinguishing system, fire hydrant monitor with foam attachment facility, etc.
8	Sand Buckets will be made available.	Complied. Sand Buckets are available.

9	Workers and Operators handling such materials shall be trained for the hazards (fire/explosion, health, chemical reactivity, etc.) & safety measures associated with them.	Complied. Workers and Operators handling such materials are trained for the hazards (fire/explosion, health, chemical reactivity, etc.) & safety measures associated with them.
10	Area shall be inspected on regular basis.	Complied. Area is inspected on regular basis.
11	NFPA label (hazard identification) along with capacity of chemical will be displayed on respective drums.	Complied NFPA label (hazard identification) along with capacity of chemical is displayed on respective drums
12	Dumping /Drain vessel/alternate vessel will be provided to collect the spillage material. Spillage Kit shall be made available.	Complied Dumping /Drain vessel/alternate vessel has been provided to collect the spillage material.
13	FLP type pump & electric fittings will be provided, where applicable.	Complied. FLP type pump & electric fittings are provided.
14	Earthing will be provided to related drums and process vessels, as per the requirement.	Complied Earthing has been provided to related drums and process vessels.
15	Double Jumper clip shall be provided to all solvent handling pipeline flanges, if applicable.	Complied. Double Jumper clips are provided to all solvent handling pipeline flanges, if applicable.
iv.	**Chemical transfer from storage area to Process Plant.**	
1	Double mechanical seal type FLP type pump shall be provided.	Complied. Double mechanical seal type FLP type pump has been provided.
2	Double on / off switch shall be provided, if needed. Flame arrestor shall be provided, wherever required.	Complied Double on / off switch has been provided, when needed. Flame arrestor is provided, wherever required.
3	NRV Shall be provided on pump discharge line	Complied Unit has provided NRV on pump discharge line.

4	Double Jumper clip shall be provided to all solvent handling pipelines.	Complied. Double Jumper clip shall be provided to all solvent handling pipelines.

AARTI INDUSTRIES LIMITED

Annexure - IX

Agreement between of Sunshine Global Hospitals,Bharuch & Aarti Industries Limited, Dahej (Zone III)

This agreement is between Sunshine Global Hospitals, Bharuch and Aarti Industries Limited, Dahej (Zone III) on 1st September 2019.

Terms and condition of the agreement is as below:

- Hospital hereby undertakes to extend its services (OPD/IPD/emergency/medical & surgical treatment including Laboratory investigations & pharmacy expanses) on credit basis to the persons designated by Aarti Industries Limited, Dahej (Zone III) .
- Prior to sending patient at hospital company personal will telephonically communicate with concern person of the hospital (Details are attached).
- Patient shall show ID card at the hospital provided by Aarti Industries Limited at the time of admission or consultation. Company HR department or Factory Medical Officer will communicate through mail for treatment on credit basis within 24 hours in case of admission.
- The company will make the payment within twenty five working days after the discharge of the patients.(Scan copy of the bill will be e-mailed to company immediately on discharge & Hard copy of the bill will be couriered at your plant)

Following are the authorized person to call in case of seeking medical services:

Aarti Industries Limited, Dahej (Zone III):

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industies.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas Gaurav	Zone Safety Head	9099005387	vilas.gaurav@aarti-industries.com
5	Mr. Atul Dave	Sr. Manager - Safety	9898997921	atul.dave@aarti-industries.com
6	Dr. Sanjay Hansoti	Factory Medical officer	9904706759	sanjay.hansoti@aarti-industries.com

AARTI INDUSTRIES LIMITED

Sunshine Global Hospital, Bharuch:

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Jayesh Gohil	Business Development	8980006817	marketing.bharuch@sunshine globalhospitals.com
2	Mr. Ravi Patel	Head Operation & Marketing	8758780000	ravi.patel@sunshineglobalhospitals.com

Name & Sign of authorized Signatory Aarti Industries Limited, Dahej	Name & Sign of authorized Signatory Sunshine Global Hospital, Bharuch

Date:

Place:

Annexure - IX

ATHHARV™ TOXSCREEN

Industrial Health & Toxic Chemicals Testing

MEDICAL CHECKUP SUMMARY-YEAR-2025

NAME: Pallavkumar Ganpatbhai Gohil	AGE: 28	SEX: MALE	DATE:05.09.2025	SR NO.133
EMPLOYEE NO.59002051	HEIGHT. 166 CM	WEIGHT:58.0 KG		BMI:21.0
COMPANY NAME	Aarti Industries Limited, Dahej.-Diamond			
DEPT. Mechanical	DESI.Assistant Associate			

GENERAL EXAMINATION

PRESENT COMPLAINS: NO	PAST ILLNESS HISTORY: NO
FAMILY HISTORY: NO	PERSONAL HISTORY: NO
KNOWN ALLERGY:NO	ADDICTION: NO
BP: 90/60MMHG	PULSE:78 /MIN

SYSTEMIC EXAMINATION

RS.: NAD	CVS: NAD	CNS: NAD	AS- NAD	MUS.SKEL EX-NAD	DENT.EX.-NAD	SKIN EX.-NAD

ACUITY OF VISION		RT.EYE	LT.EYE
WITHOUT GLASS	DISTANT		
	NEAR		
WITH GLASS	DISTANT	6/12	6/12
	NEAR	N/8	N/8
COLOUR BLINDNESS:		NO	

AUDIOMETRY	
RIGHT EAR	NA
LEFT EAR	NA
PFT TEST	NORMAL
X RAY CHEST	NA
ECG TEST	NA

A. TRISMUS TEST-NEGATIVE

B. RHOMBERGS TEST-NEGATIVE

BLOOD TEST

HB	13.1	g/dl	CREATININE	1.39	Mg/dl	RBS	62.33	Mg/dl
WBC	7650	/Cmm	UREA	36.19	Mg/dl	SGPT	23.9	U/L
PLATELET	247000	/Cmm	URIC ACID	4.03	Mg/dl	SGOT	27.07	U/L
BILIRUBIN	0.4	Mg/dl				A. PHOSPATE	55.6	U/L
DIRECT	0.1	Mg/dl	METHAEMOGLOBIN	<1	%	GGT	24.25	U/L
INDIRECT	0.3	Md/dl	URINE PHENOL	32.72	MG PHENOL/GM CREATININE			

URINE TEST	GLUCOSE	Nil	mg/dl	U. BILIRUBIN	Nil	RED BLOOD CELL	Nil/HPF
	PROTEIN	Nil	Gm/dl	UROBILINOGEN	Nil	PUS CELL	1 - 3/hpf/HPF

REMARK: NIL

ADVICE: NIL

HE/SHE HAS NOT BEEN FOUND SUFFERING FROM ANY INFECTION/CONTAGIOUS DISEASE/OPEN WOUND OR FEVER AT THE TIME OF EXAMINATION.HE /SHE IS FIT FOR DUTY.

DR. JAYESH M PATEL
RE NO. G-34998(M.B.B.S, CIH)
FACTORY MEDICAL OFFICER

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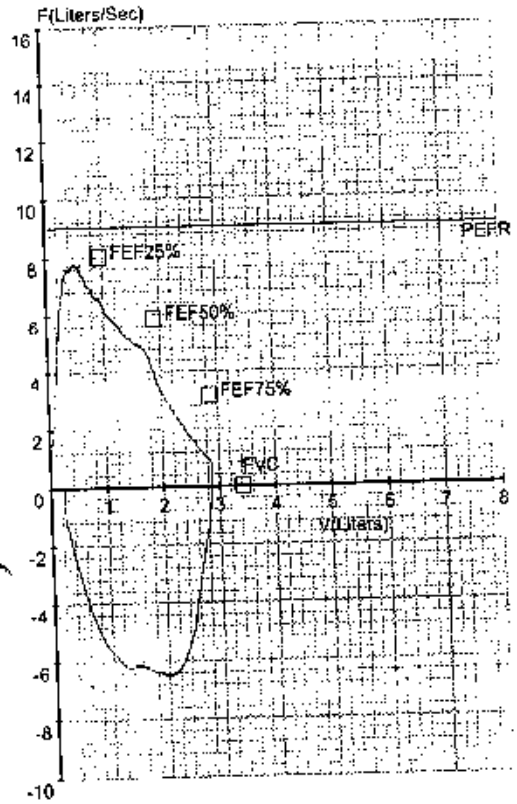
drtejasforensic@yahoo.com
305, Third Floor, Aagam Avenue, Nr. CNG Petrol Pump,
Sabarmati Visat Highway, Sabarmati, Ahmedabad, Gujarat, 380 005.

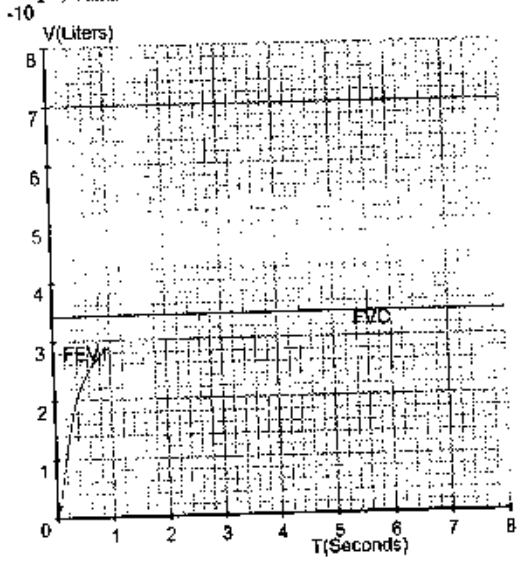
Clarity
Clarity Medical Pvt. Ltd.

59002051 - PALLAVKUMAR GANPATBHAI GOHIL
28 Years / Male / Ht 166 Cms /58 Kgs / Non-Smoker

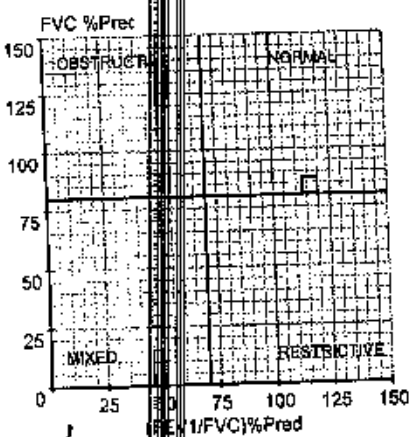
FVC TEST
Date: 05-09-2025 (

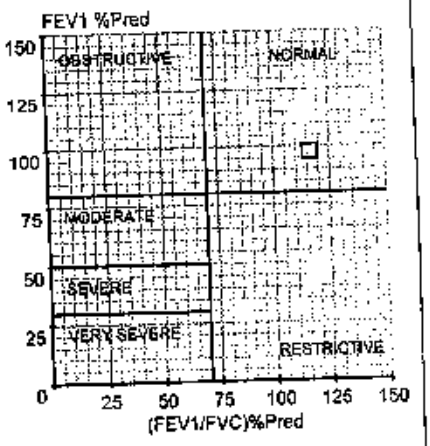
Pred Eqn : CLARITY Eth.Corr : 100 Temp : 0°C
Ref By : NONE





Parameter		Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.42	2.87	84	--	--	--
FEV1	[L]	2.92	2.85	98	--	--	--
FEV.5	[L]	--	2.38	--	--	--	--
FEV3	[L]	3.32	--	--	--	--	--
FEV6	[L]	--	--	--	--	--	--
PEFR	[L/s]	8.99	7.80	87	--	--	--
FEF25-75	[L/s]	4.40	5.12	116	--	--	--
FEF75-85	[L/s]	--	2.36	--	--	--	--
FEF.2-1.2	[L/s]	7.50	6.59	88	--	--	--
FEF25%	[L/s]	7.98	7.35	92	--	--	--
FEF50%	[L/s]	5.88	5.48	93	--	--	--
FEF75%	[L/s]	3.16	3.03	96	--	--	--
FEV.5/FVC	[%]	--	82.96	--	--	--	--
FEV1/FVC	[%]	85.49	99.46	116	--	--	--
FEV3/FVC	[%]	97.00	--	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--	--
FET	[S]	--	0.90	--	--	--	--
ExpiTime	[S]	--	0.10	--	--	--	--
LungAge	[Y]	28.00	29.00	104	--	--	--
FIVC	[L]	--	2.63	--	--	--	--
PIFR	[L/s]	--	6.55	--	--	--	--
FIF25%	[L/s]	--	7.78	--	--	--	--
FIF50%	[L/s]	--	6.78	--	--	--	--
FIF75%	[L/s]	--	5.27	--	--	--	--
FIV.5	[L]	--	2.20	--	--	--	--
FIV1	[L]	--	--	--	--	--	--
FIV3	[L]	--	--	--	--	--	--
FIV.5/FIVC	[%]	--	83.63	--	--	--	--
FIV1/FIVC	[%]	--	--	--	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--	--





- **Pre Medication Report :**
  Spirometery within Normal range as FVC% >= 80 And FEV1/FVC% > 70

- **Pre COPD Severity Report:**
  COPD Severity within Normal range

- **Doctor's Comments :** Normal

Dr. JAYESH PATEL/DR KALPANA PATEL

ATHHARV™ TOXSCREEN

Industrial Health & Toxic Chemicals Testing

TEST REPORT

Name	: Mr. Pallavkumar Ganpatbhai Gohil 133	**Reg. No**	: 509100229
Age/Sex	: 28 Years / Male	**Reg. Date**	: 06-Sep-2025 04:18 PM
Ref. By	:	**Collected On**	: 06-Sep-2025 04:19 PM
Client Name	:	**Printed On**	: 08-Sep-2025 04:47 PM
Employee ID	: 59002051	**Department**	: Asst. Assoc.

COMPLETE BLOOD COUNT (CBC)

Parameter	Results	Unit	Biological Ref. Interval
Hemoglobin (SLS method)	13.1	g/dL	13.0 - 18.0
Hematrocrit (Electrical Impedance)	L 42.50	%	47 - 52
RBC Count (Electrical Impedance)	4.76	millio/cmm	4.7 - 6.0
MCV (Calculated)	89.3	fL	78 - 110
MCH (Calculated)	27.5	Pg	27 - 31
MCHC (Calculated)	30.8	%	30 - 35
RDW (Calculated)	H 14.7	%	11.5 - 14.0
WBC Count (Flowcytometry)	7650	/cmm	4000 - 10500
Platelet Count	247000	/cmm	150000 - 450000
MPV	9.2	fL	7.4 - 10.4

DIFFERENTIAL WBC COUNT	[%]		EXPECTED VALUES	[Abs]		EXPECTED VALUES
Neutrophils (%)	51	%	42.0 - 75.2	3902	/cmm	
Lymphocytes (%)	42	%	20 - 45	3213	/cmm	
Eosinophils (%)	2	%	1 - 4	153	/cmm	
Monocytes (%)	5	%	2 - 8	383	/cmm	
Basophils (%)	0	%	0 - 1	0	/cmm	

PERIPHERAL SMEAR STUDY

RBC Morphology	RBC are normochromic normocytic.
WBC Morphology	No premature cells are seen.
Platelets	Platelets are adequate on smear
Parasites	Malarial parasite is not detected

This is an Electronically Authenticated Report.

Dr.K.R Prajapati
MD.Patho (G-28517)

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drtejasforensic@yahoo.com
305, Third Floor, Aagam Avenue, Nr. CNG Petrol Pump,
Sabarmati Visat Highway, Sabarmati, Ahmedabad, Gujarat, 380 005.

TEST REPORT

Name	: Mr. Pallavkumar Ganpatbhai Gohil 133	**Reg. No**	: 509100229
Age/Sex	: 28 Years / Male	**Reg. Date**	: 06-Sep-2025 04:18 PM
Ref. By	:	**Collected On**	: 06-Sep-2025 04:19 PM
Client Name	:	**Printed On**	: 08-Sep-2025 04:47 PM
Employee ID	: 59002051	**Department**	: Asst. Assoc.

Parameter	Result	Unit	Biological Ref. Interval
Random Blood Sugar (RBS) *Glucose Oxidase-Peroxidase*	**62.33**	mg/dL	70 - 140
Creatinine *ENZYMATIC*	1.39	mg/dL	0.8 - 1.5
Uric Acid *Uricase Colorimetry*	4.03	mg/dL	3.5 - 8.5
UREA *Urease end point reaction*	36.19	mg/dL	16.0 - 43.0
LIVER FUNCTION TEST			
SGOT *Multipoint-Rate/Uv With P-5-P*	27.07	U/L	17 - 59
SGPT *Multipoint-Rate/Uv With P-5-P*	23.90	U/L	0 - 50
Total Bilirubin *Colorimetric method*	0.4	mg/dL	0.1 - 1.4
Conjugated Bilirubin *Sulph acid dpi/caff-benz*	0.1	mg/dL	0.0 - 0.3
Unconjugated Bilirubin *Sulph acid dpi/caff-benz*	0.3	mg/dL	0.0 - 1.1
Alakaline Phosphatase *P-nitrophenyl phosphatase-AMP Buffer, Multiple-point rate*	55.6	U/L	38 - 126
GGT *G-glutamyl-p-nitroanilide*	24.25	U/L	15 - 73

This is an Electronically Authenticated Report.

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TEST REPORT

Name	: Mr. Pallavkumar Ganpatbhai Gohil 133	**Reg. No**	: 509100229
Age/Sex	: 28 Years / Male	**Reg. Date**	: 06-Sep-2025 04:18 PM
Ref. By	:	**Collected On**	: 06-Sep-2025 04:19 PM
Client Name	:	**Printed On**	: 08-Sep-2025 04:47 PM
Employee ID	: 59002051	**Department**	: Asst. Assoc.

Parameter	Result	Unit	Biological Ref. Interval
*** PHENOL LEVEL - URINE** *UV - VIS Spectrophotometer*	32.72	mg Phenol/gm Creatinine	Up to 85mg Phenol/creatinine on control Indian population. Ref : Verma at al, Industrial Health,2003,41,260-264.
*** METHAEMOGLOBIN, EDTA blood** *UV - Vis Spectrophotometry*	<1	%	Adult: 1% of total Hb. Children < 1yr: 1.5 % of total Hb.

This is an Electronically Authenticated Report.

Dr.K.R Prajapati
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Sabarmati Visat Highway, Sabarmati, Ahmedabad, Gujarat, 380 005.

TEST REPORT

Name	: Mr. Pallavkumar Ganpatbhai Gohil 133	**Reg. No**	: 509100229
Age/Sex	: 28 Years / Male	**Reg. Date**	: 06-Sep-2025 04:18 PM
Ref. By	:	**Collected On**	: 06-Sep-2025 04:19 PM
Client Name	:	**Printed On**	: 08-Sep-2025 04:47 PM
Employee ID	: 59002051	**Department**	: Asst. Assoc.

Parameter	Result	Unit	Biological Ref. Interval
URINE ROUTINE EXAMINATION			
PHYSICAL EXAMINATION			
Quantity	20 cc		
Colour	Pale Yellow		
Clarity	Clear		
CHEMICAL EXAMINATION (BY REFLECTANCE PHOTOMETRIC)			
pH	5.0		4.6 - 8.0
Sp. Gravity	1.010		1.001 - 1.035
Protein	Nil		
Glucose	Nil		
Ketone Bodies	Nil		
Urobilinogen	Nil		
Bilirubin	Nil		
Nitrite	Nil		
Leucocytes	Nil		
Blood	Nil		
MICROSCOPIC EXAMINATION (MANUAL BY MICROSCOPY)			
Leucocytes (Pus Cells)	1 - 3/hpf		
Erythrocytes (Red Cells)	Nil		
Epithelial Cells	5 - 6/hpf	/hpf	
Amorphous Material	Nil		
Casts	Nil		
Crystals	Nil		
Bacteria	Nil		
Fungus	Nil		
Spermatozoa	Nil		

End Of Report

This is an Electronically Authenticated Report.

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Pacific School of Engineering
(Approved by AICTE New Delhi & Affiliated to GTU, Ahmedabad)

Ref. No.: PSE/ENGG/CERT/22/10 Date:04/04/2022

DETAIL OF CLEANER PRODUCTION PRACTICES

The Environmental Audit Scheme was introduced by the Gujarat High Court vide its orders dated 20/12/96 & 13/3/97 and modified vide order dated 16/9/99, 22/04/2010 & 23/1/2015. We are recognized by GPCB, Gandhinagar as Schedule- I Environmental Auditor for compliance of the directions of the Hon'ble High Court.

In order to study cleaner production practices, industry has approached us and thus, visits were carried out and evaluated practices of CPP for:

M/S. AARTI INDUSTRIES LIMITED,
PLOT NO. Z/103/C, DAHEJ-SEZ-II,
TALUKA: VAGRA, DIST. BHARUCH, GUJARAT.

A. BACKGROUND OF STUDY:

This study includes cleaner production practices adopted by industry. This study mainly included for following processes:

1. Phenol recovery from DCP (Di-cholorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology.
2. DCA (2,5 Di-choloroaniline) recovery from distillation residue with the use of agitated thin film evaporator (ATFE).
3. Reuse of 70% concentrated H_2SO_4 by increasing the concentration of $H_2SO_4$to 90% through series of evaporation.
4. Recovery of methanol from DCA obtained during 2, 5-DCA production.

B. Manufacturing process of DCA and DCP:

1. 2,5 DI- CHLORO ANILINE

Initially, 2, 5 Di-chloro nitrobenzene is reacted in an autoclave reactor with

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Website : www.pacific-soe.ac.in

hydrogen gas in presence of metal powder catalyst to produce 2, 5 dichloro aniline. The reaction mixture contains solvent. The reaction is followed by catalyst filtration, solvent recovery, and layer separation and drying. Crude product is then subjected to flash distillation to get the pure product. Product is either sold as liquid or flakes depending on the market requirement.

Stochiometric reaction:

Di-chloro aniline:

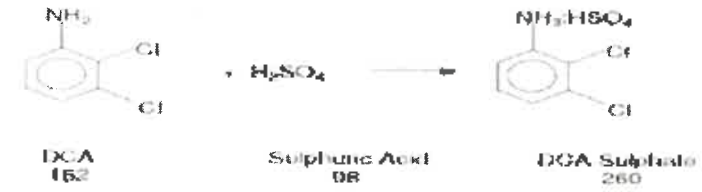
	$C_6H_3NO_2Cl_2$	+ $3H_2$	⟶ $C_6H_5NCl_2$	+ $2H_2O$
	0.62	0.62	0.62	0.62
Mol. Wt. (kg/kmol)	192	6	162	36.00
Feed (kg/hr)	118	4	100	22.32

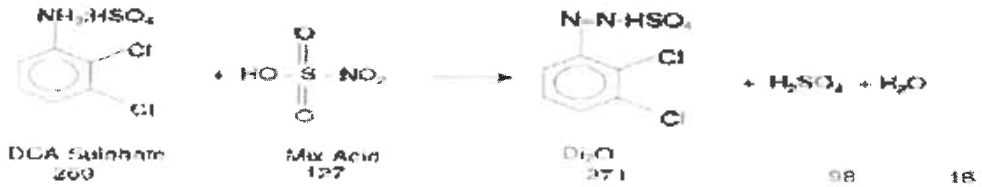
2. 2,5 DI-CHLORO PHENOL:

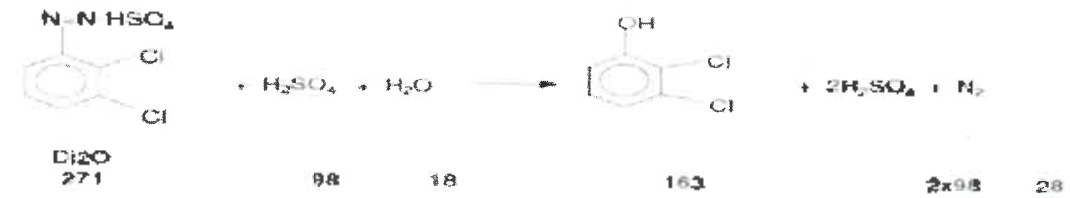
Di Chloro aniline reacts with sulphuric Acid to form Di Chloro aniline sulphate. Di Chloro aniline sulphate reacts with mix acid to form diazo mass. Diazo mass reacts with dilute sulphuric acid to form crude Di Chloro Phenol. This reaction will generate N_2 gas and dilute sulphuric acid.This dilute sulphuric acid will be purified and concentrated for recycle purpose. Crude Di Chloro phenol separate out and distilled to get Di Chloro Phenol.

Stochiometric reaction:

Di-chloro phenol:





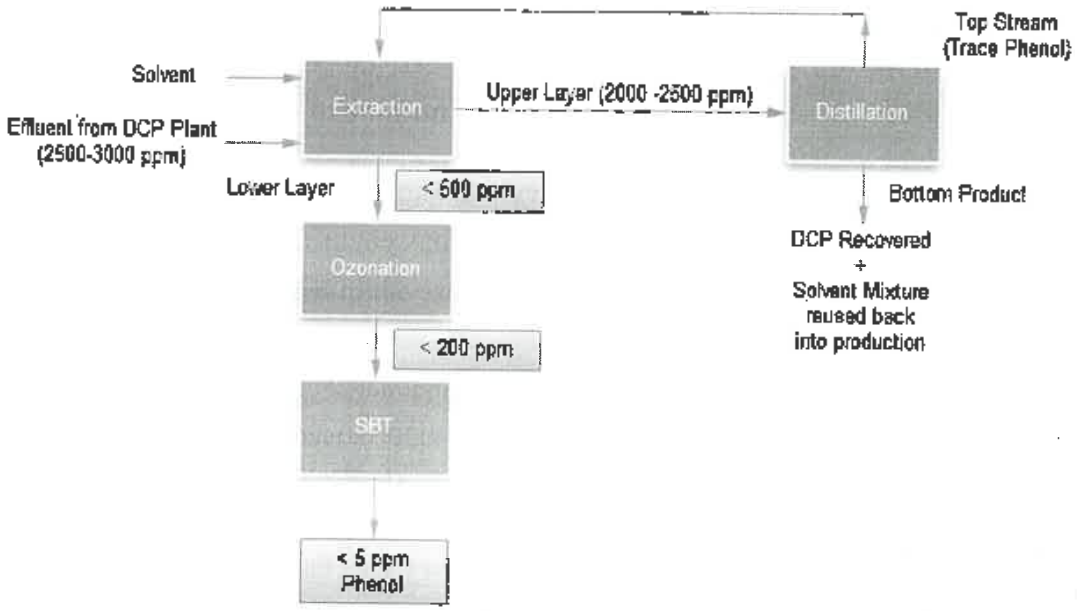


C. KEY HIGHLIGHTS OF CLEANER PRODUCTION PRACTICES:

1. Phenol recovery from DCP(Di-cholorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology

Phenol Recovery through extraction followed by distillation:

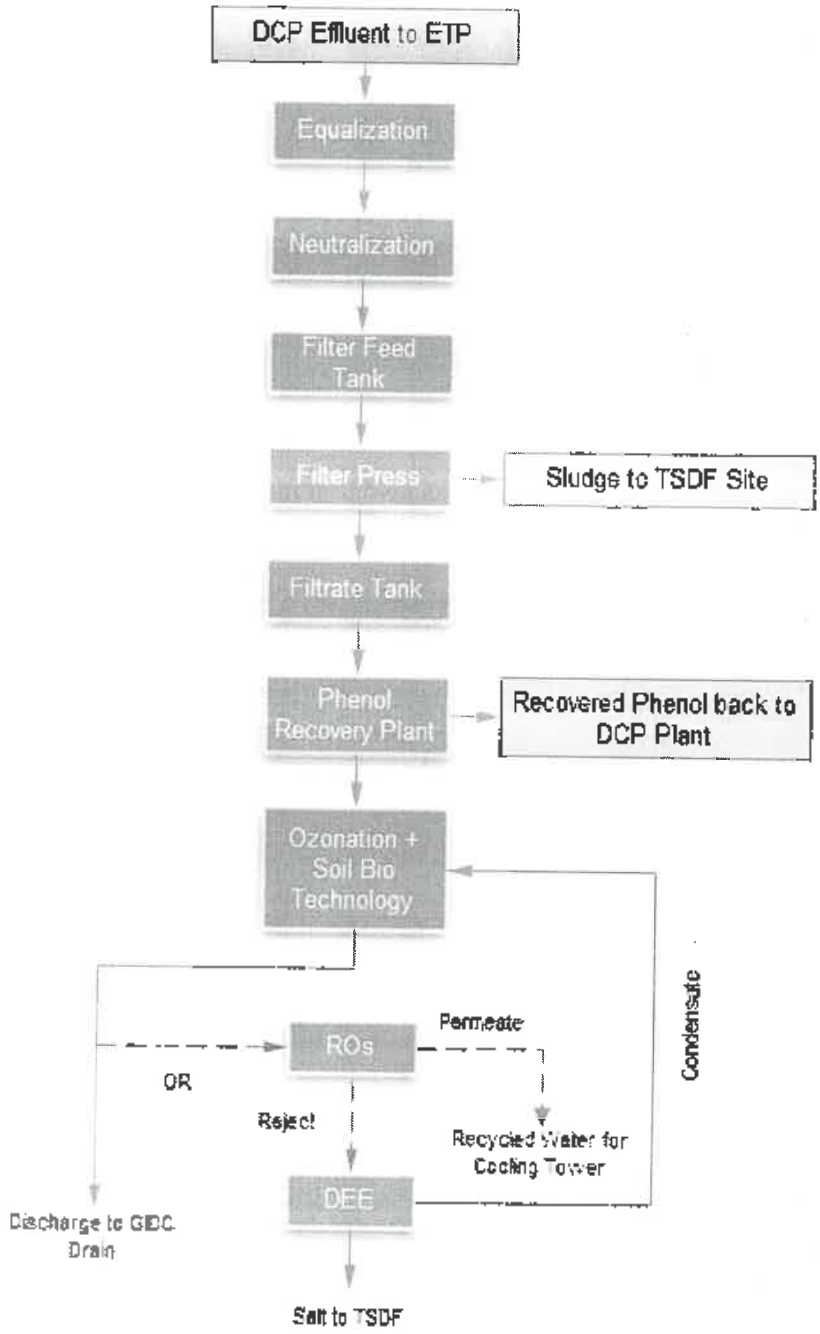
The phenol rich effluent is (2500-3000ppm) generated from the DCP (Di-cholorophenol) plant. The effluent is treated in the extraction column followed by the distillation column. The effluent is initially subjected to a distillation column to recover the phenol and bring down the phenolic content to<500ppm in the bottom of the column. The bottom of the Distillation Column i.e.recovered DCP+solvent mixture is reused back into the production. Top Stream is reused in Extraction Column.



Treatment of phenol by ozonation followed by soil-biotechnology:

Ozonation is followed by the Extraction to further reduce down the phenolic content to <200 ppm. The outlet of the ozonation chamber is subjected to SBT plant that works on biological processes where effluent passes through different stages so as to degrade the assay and breakdown of organic components. Here the effluent is subjected to a series of layers containing bio cultures attached to binding media followed by filtration systems so as to achieve the phenol content in the treated water <5 ppm.

The flowchart of effluent treatment is shown as below:

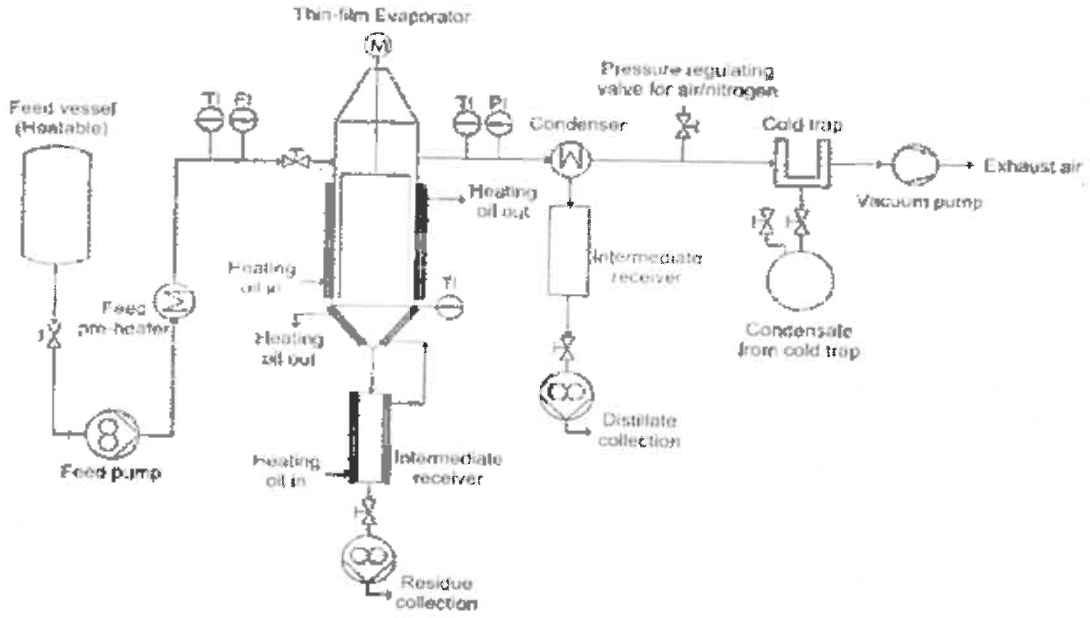


The aim of the Phenol recovery plant is to reduce the phenolic content from the DCP effluent (initial 2500-3000 ppm) by using solvent. Thus, in the vacuum distillation column followed by the atmospheric extraction column in the bottom part, they receive a 40:60 ratio as solvent: phenolic effluent. The recovered phenolic water is reused back into the process.

2. **DCA (Di-choloroaniline) recovery from distillation residue with the use agitated thin film evaporator (ATFE)**

The residue generated from distillation of crude product to obtain pure product DCA is further subjected to Agitated Thin Film Evaporator (ATFE) where product is agitated in vertical Thin Film Dryer (ATFD-V). It rotates in a precision-machined jacketed shell with desired evaporation temperature at different stages.

The feed is converted into a thin film layer which is intensely agitated due to action of the high-speed rotor. The feed material goes through phases of slurry, paste and wet powder, before coming out as a dry powder.



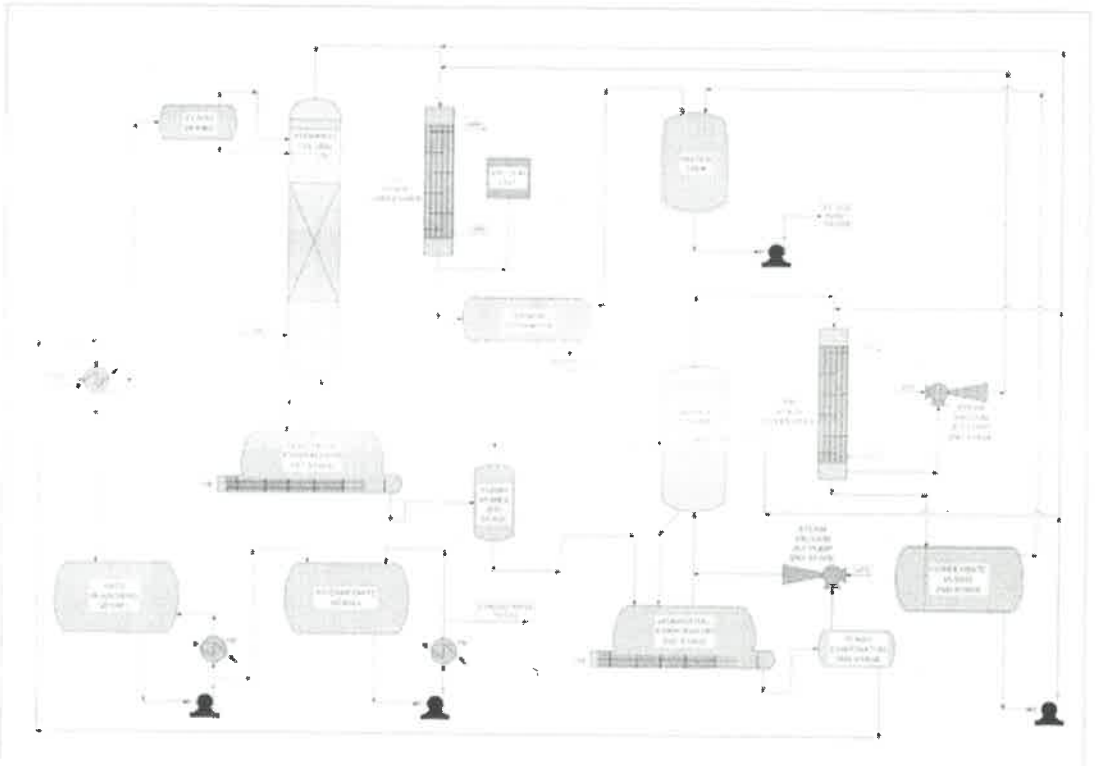
Previously distillation of crude product was done to obtain pure product DCA (Di-choloroaniline) and residue generated was disposed through hazardous waste management. After adopting this technology, they are able to recover the desired product with required purity which can be directly used in a DCP plant as a raw material. By this methodology they are able to minimize up to 70% hazardous waste residue and reduce the carbon footprint while going ahead with conservation of environment.

They use only In-house produced DCA in the manufacturing of DCP production.

3. **Reuse of 70% concentrated H_2SO_4 by increasing the concentration of H_2SO_4 by 90% through series of evaporation**

In this process the concentration of H_2SO_4 is performed by the acid concentration units in 3 stages. The 90 % H_2SO_4 is used as raw material for the production of the DCP. Thus, the acid concentration plant is implemented for the concentration of H_2SO_4 from 70% to 90 %.

The Acid is fed into a flash vessel to stripping column where the mass is evaporated in 1st stage Evaporator. In this process the acid is concentrated by 80% from 70%. The 10% evaporation loss consists of organic contains which is recycled back in DCP (Di-cholorophenol) plant as well as aqueous contains which is reused back in the steam generation unit.



The 80% concentrated acid is transferred to the 2nd stage flash vessel where again it is evaporated in 2nd stage evaporator system. The Acid is concentrated up to 90% in this stage. The evaporated mass passed by the quenching column via 3rd stage condenser system. The condensed water is used back in the steam generation unit.

In the 3rd stage the 90% H_2SO_4 is concentrated to 91-92% in the 3rd stage Vessel. The concentrated mass is transferred to the bleaching vessel by H_2O_2 in the intermediate vessel. The heating temperature in the flashing evaporator reaches 180°C. Where

the heat is used back in the initial flash vessel 1st phase process using the high temperature H_2SO_4 back in flash vessel 1st stage, the concentrated acid is sent for bleaching by H_2O_2 in bleaching vessel for the acid purity up to 90%.

In the NSA plant at stage-I, 70% concentrated H_2SO_4 is fed in the column where top Column temperature is approx 110°C where H_2O & DCP (1400-1500 ppm) vapor is generated and at the bottom of the column 80%-85% Concentrated H_2SO_4 is collected which is transferred to the Stage-II.

In Stage II 80-85% Concentrated H_2SO_4 is fed in the column where top column temperature is approx 60°C where the H_2O Vapor is generated and at the bottom of the column is 88% - 90% Concentrated H_2SO_4 is collected which was transferred to the Stage-III.

In Stage III 88%-90% Concentrated H_2SO_4 is fed in the column where Moisture Stripper is available to absorb the moisture and the bottom column is 90% - 92% Concentrated H_2SO_4 is collected which is transferred to the tank farm 1

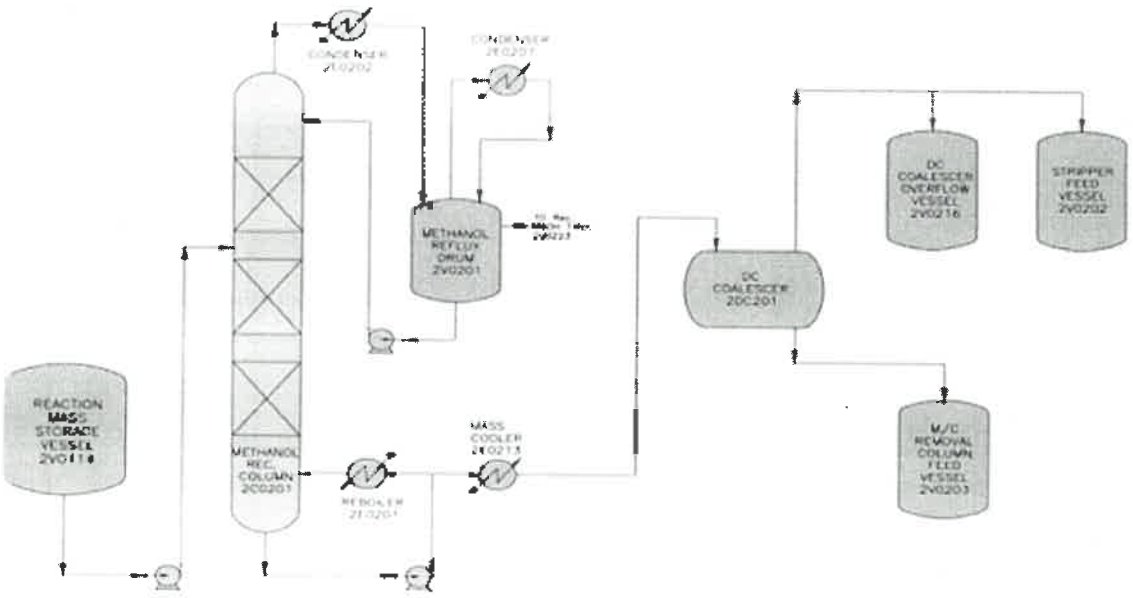
In this process, no emission was their whole process is in the close loop and the 90% - 92% Concentrated H_2SO_4 is further stored in the tank farm 1 whereas the H_2O collected in Stage I & II is also utilized in the plant for the Steam Generation and generated steam is returned to the DCP plant.

The Overall process is a continuous process in which it divided in two parts such as DCP crude product manufacturing (the fresh acid was consumed in this unit till the recovery process is started in SAC plant) and second is sulphuric acid concentration as a recovery of acid (SAC plant).

Only in the initial phase start-up of the process is required 2.98 Kg/Kg fresh H_2SO_4 is required to manufacture DCP crude (fresh consumption is up to 24 hours for the starting of the initial process). Afterward, the recovering process of Acid is started which is a continuous process, and in the end, the acid product is 90% H_2SO_4 which is a finished product.

4. Recovery of methanol from DCA obtained during 2,5-DCA production

Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is given as below:



Recovery of methanol from crude product (i.e., mixture of 2, 5 - DCA, methanol and water) is achieved by continuous distillation. In the distillation column, separation of components happens due to relative volatility. Here, a packed column is used for the recovery of methanol because it results in less pressure drop and the material separated is heat sensitive. The column is operated at atmospheric pressure. Methanol is obtained from distillate and collected in recovery vessel for further use in process.

The reaction mass storage vessel (2V0114) consists of solvent as media which is separated for the methanol recovery by distillation process in methanol recovery column (2C0201). To maintain the temperature as well as vapor equilibrium in the column further the methanol reflux process is done in the methanol reflux column via condenser system. The remaining methanol is transferred back to the recovered methanol recovery vessel.

The bottom product is processed for further separation units. Bottom of the distillation column is fed to DC Coalescer (Separation on different conductivity). It's a gravity settler work on basis of specific gravity and conductivity and separates two immiscible liquids into two separate layers. Water layer or top layer is separated and the bottom product is fed to the moisture removal column.

In the moisture removal column, material is dried as per product specifications. A continuous vacuum is maintained inside the column by means of a Liquid ring Vacuum System. Material is circulated through a heat exchanger. As pressure decreases in the drier boiling point of water is reduced and removed through condensers. The final product is obtained from the bottom of the column and stored in a specific storage tank.

D. Product recovery, reduction in effluent and hazardous waste generation:

Phenol + DCP mixture Recovery (expected at full capacity)		
1.	Phenol recovery, kg/Day	6600 Kg/Day
2.	Effluent reduction, kg/Day	6600 Kg/Day
DCA Recovery (expected at full capacity)		
1.	DCA recovery, kg/Day	1968 kg
2.	Residue reduction, kg/Day	1968 kg
Concentration increment in Sulfuric acid (from 70% to 90%) -		
1.	Saving of H_2SO_4 (against fresh consumption)	327 KL/Day
2	% Saving of fresh H_2SO_4 consumption	100%
2.	Acid reduction (for disposal), kL/Day	327 KL/Day
Methanol Recovery		
1.	Methanol recovery, kL/Day	5.99 KL/Day
2.	Effluent reduction, kL/Day	5.99 KL/Day

E. Conclusion of the study:

1. Out of total 180 kL/day effluent generation in a DCP production, the major COD contributing component, i.e., phenol recovered in the tune of 6.6 kL/day. Thus, 6.6 kL/day effluent load reduces and subsequently COD load is reducing.
2. DCA production resulting to generation of 5.04 MT residue as a hazardous waste. With the introduction of ATFE, 2.5 MT DCA recovered. Thus, 2.5 MT hazardous waste generation reduced. Now, industry has to dispose of 2.54 MT hazardous waste instead of 5.04 MT waste.
3. Industry is recovering 446.3 kL/day concentrated Sulphuric acid (70%) from DCP production. With the use of series of evaporation system, concentration of sulfuric acid increases to 90% and reutilized for the process. Thus, industry has reduced fresh consumption of 90% sulfuric acid (357 kL/day). Out of total 357 kL 90% sulfuric acid, 323 kL utilized for process and 34 kL sell to market.
4. In the manufacturing of DCA, generation of waste stream (12.398 kL/day) consist of mainly methanol. The methanol recovered in the tune of 5.998 kL/day and rest of (6.4 kL/day) treated in existing ETP. Industry is in process to recover traces of methanol from 6.4 kL/day waste stream.

NOTE: Conclusions are based on the detail provided by industry representative. The basis for certain calculations were done at 100 % operational capacity of products.

Date: 04/04/2022

Dr. Y. C. Rotliwala (Principal)	**Dr. Yogesh Rotliwala** **Ph.D. (Chemical Engg.), Chemical Engineer**	
	Dr. Hiral Tailor **Ph.D. (Chemistry), Chemist**	
	Dr. Himanshu Patel **Ph.D. (Chemistry), Chemist**	H.J.Pat
	Ms. Nidhi Halbe **M.E. (Env.Engg.), Environmental Engineer**	

PACIFIC SCHOOL OF ENGINEERING SURAT

PRAKASH K. MAJMUDAR
MEMBER SECRETARY
SEIAA (GUJARAT)

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY GUJARAT

No. SEIAA/GUJ/EC/5(f)/ 192 /2023 Date: 14 FEB 2023 By R P A D
Time Limit

Sub: Environment Clearance to M/s. Aarti Industries Ltd (Unit II). for setting of expansion of manufacturing plant of 'Synthetic Organic Chemicals' at Plot No. Z/103/C, GIDC Notified Industrial Estate, SEZ-II, Dahej-392130, Taluka Vagra, Dist. Bharuch. In Category 5(f) of Schedule annexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ/IND3/68290/2017.

Dear Sir,

This has reference to your application along with EIA report dated 08/03/2022 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance to **M/s. Aarti Industries Ltd (Unit II). for setting of expansion of manufacturing plant of 'Synthetic Organic Chemicals' at Plot No. Z/103/C, GIDC Notified Industrial Estate, SEZ-II, Dahej-392130, Taluka Vagra, Dist. Bharuch.** It is an **existing** unit for manufacturing following products, which falls in the category - 5(f) of the schedule of the EIA Notification-2006:

Sr. No.	Product Name	CAS No.	Quantity in MT/Annum				End Use of Product
			As per Existing EC	As Per CCA Amendment No. AWH-113931 & AWH-113932	Proposed Change / Additional	Total After Expansion	
A	**Organic Chemicals**						
I	**Hydrogenation Products & their derivatives (43200 MT/Annum)**						
1.	2,5 Di Chloro Aniline (2,5 DCA) And/Or	95-82-9	21780	21780	21420	43200	Dyes, Dye intermediates, Basic pharma intermediates, Pigments, Polymer
2.	2,5 Di Chloro Aniline (Crude) (2,5 DCA) And/Or	95-82-9	0				
3.	3,4 Di Chloro Aniline (3,4 DCA) And/Or	95-76-1					
4.	3,4 Di Chloro Aniline (Crude) (3,4 DCA) And/Or	95-76-1					
5.	3,5 Di Chloro Aniline (3,5 DCA) And/Or	626-43-7					
6.	3,5 Di Chloro Aniline (Crude) (3,5 DCA) And/Or	626-43-7					
7.	Para Chloro Aniline (PCA) Either/Or	106-47-8					
8.	Para Chloro Aniline (Crude) (PCA) And/Or	106-47-8					
9.	2,4,5 Tri Chloro Aniline (2,4,5 TCA) And/Or	636-30-6					
10.	2,4,5 Tri Chloro Aniline (Crude) (2,4,5 TCA) And/Or	636-30-6					
11.	2,4 Di Chloro Aniline (2,4 DCA)/2,6 Di Chloro Aniline (2,6 DCA) And/Or	554-00-7/ 608-31-1					

12.	Mixture Di Chloro Aniline And/Or	Multiple 554-00-7 & 95-82-9 & 608-31-1					
13.	2,4 Di Chloro Aniline (2,4 DCA) (Crude)/2,6 Di Chloro Aniline (Crude) (2,6 DCA) And/Or	554-00-7/ 608-31-1		0	43200		
14.	3-Chloro Ortho Toluidine (3-COT) And/Or	87-60-5					
15.	3-Chloro Ortho Toluidine (Crude) (3-COT)	87-60-5					
II	**Diazotization Products & their derivatives (22380 MT/Annum)**						
1)	2,5 Di Chloro Phenol (2,5 DCP) And/Or	583-78-8	18000	15600	4380	19980	Di chloro phenols are used as intermediates in the manufacture of more complex chemical compounds. It will be used as a raw material for chemical intermediate.
2)	2,3 Di Chloro Phenol (2,3 DCP) And/Or	576-24-9	0				
3)	Crude of 2,5/2,3 DCP	583-78-8/ 576-24-9	0	0	19980		
4)	3,5 Di Chloro Nitro Benzene (3,5 DCNB) And/Or	618-62-2	0	2400	0	2400	Dyes, Dye intermediates, Basic pharma intermediates, Pigments, Polymer
5)	Crude of 3,5 Di Chloro Nitro Benzene	618-62-2	0	0	2400		
A	**Total of Organic Chemicals (A)**		**39780**	**39780**	**25800**	**65580**	
B	**Inorganic Chemicals**						
1)	25-40 % Nitrosyl Sulphuric Acid	7782-78-7	17640	70620	13380	84000	Used in organic chemistry to prepare diazonium salts from amines
2)	Sulphuric Acid (Above 90% Concentration)	7664-93-9	28200	31320	56592	87912	Used in chemical industry for production of basic synthetic organic chemicals
B	**Total of Inorganic Chemicals (B)**		**45840**	**101840**	**69972**	**171912**	
A+B	**Total of Organic and Inorganic Chemicals**		**85620**	**141720**	**95772**	**237492**	

The project activity is covered in 5(f) and is of 'B' Category. Since, the proposed project is located in notified industrial area, public consultation is not required as per paragraph 7(i) (III) (i) (b) of the Environment Impact Assessment Notification-2006.

The SEAC, Gujarat vide their letter dated **23/01/2023** had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on **19/12/2022**. The proposal was considered by SEIAA, Gujarat in its meeting held on **06/02/2023** at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following conditions.

A.CONDITIONS :

A.1SPECIFIC CONDITION :

1. Unit shall install CEMS **[Continuous Emission Monitoring System]** in line to CPCB directions to all SPCB vide letter no. B-29016/04/06PCI-1/5401 dated 05/02/2014 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB/CPCB on real time basis. **[For Small/Large/Medium (Red Category) & Whichever (Air emission & Effluent discharge) is applicable].**
2. Close loop solvent recovery system with adequate condenser system shall be provided to recover solvent vapours in such

a manner that recovery shall be maximum and recovered solvent shall be reused in the process within premises.

3. Leak Detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR Logbooks shall be maintained.
4. The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16th November, 2009 shall be complied with.
5. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G. S. R. 608 (E) dated 21/07/2010 and amended from time to time shall be followed.
6. Unit shall have to adhere to the prevailing area specific policies of GPCB with respect to the discharge of pollutants, and shall carry out the project development in accordance & consistence with the same.
7. All measures shall be taken to avoid soil and ground water contamination within premises.
8. **Safety & Health:**
   a. PP shall obtain PESO permission for the storage and handling of hazardous chemicals.
   b. PP shall provide Occupational Health Centre (OHC) as per the provisions under the Gujarat Factories Rule 68-U.
   c. PP shall obtain fire safety certificate / Fire No-Objection certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
   d. Unit shall adopt functional operations/process automation system including emergency response to eliminate risk associated with the hazardous processes.
   e. PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.
   f. PP shall install adequate fire hydrant system with foam trolley attachment within premises and separate storage of water for the same shall be ensured by PP.
   g. PP shall take all the necessary steps for control of storage hazards within premises ensuring incompatibility of storage raw material and ensure the storage keeping safe distance as per the prevailing guidelines of the concerned authority.
   h. PP shall take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker/employee or labour within premises.
   i. Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.
   j. Unit shall provide effective Isolation for Process area and storage of hazardous chemicals.
   k. Unit shall provide water sprinkler to the ammonia storage cylinder.
   l. Unit shall never store drum/barrels/carboys of incompatible material/chemical together.
   m. Unit shall provide effective fire hydrants, water monitors & foam application system at solvent storage area and unit shall provide adequate safety system such as water sprinklers, water curtains, foam pouring system etc. to restrict cascade fire emergency in solvent storage area.
   n. Unit shall provide effective Isolation for Process area and storage of hazardous chemicals.

A 2 WATER :

9. Total water requirement for the project shall not exceed 2433 KLD. Unit shall reuse 438 KLD of treated industrial effluent within premises. Hence, fresh water requirement shall not exceed 1995 KLD and it shall be met through GIDC water supply only. Prior permission from concerned authority for withdrawal of water shall be obtained.
10. The industrial effluent generation from the project shall not exceed 359 KLD after expansion.
11. Management of Industrial effluent shall be as under after expansion:
    - 255 KLD effluent generated (197 KLD from Process, 25 KLD from Scrubbers and 33 KLD from washing) shall be treated into in-house ETP plants (ETP - 1 & ETP - 2) and shall be taken into tertiary ETP.
    - 193 KLD effluent (164 KLD from Cooling Blow Down and 29 KLD from Boiler Blow Down) shall be treated into in-house ETP plant (ETP - and RO plant. RO reject (104 KLD) and shall be treated in tertiary treatment.
    - **Thus total 359 KLD treated Effluent shall be discharge into CETP- Dahej after complying with the inlet norms of CETP prescribed by GPCB and ultimately disposal in to the sea through GIDC drainage pipeline.**
12. Domestic wastewater generation shall not exceed 57 KL/day for proposed project and it shall be treated in STP. It shall not be disposed off into soak pit. Treated sewage shall be utilized for gardening and plantation purpose within premises after achieving on-land discharge norms prescribed by the GPCB.
13. During monsoon season when treated sewage may not be required for the plantation / Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case.
14. Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.
15. Unit shall discharge wastewater to CETP only after complying with norms prescribed by GPCB in order to achieve no adverse impacts on Environment and Human Health.
16. The PP shall ensure to dispose off Waste water to the Common Facilities having valid CTO of GPCB.
17. Treated waste water shall be sent to CETP- Dahej only after complying with the inlet norms of common facilities prescribed by GPCB to ensure no adverse impact on Human Health and Environment.
18. The unit shall provide metering facility at the inlet and outlet of ETP and maintain records for the same.

19. Proper logbooks of ETP; reuse/ recycle of treated/ untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.

A.3AIR:

20. Unit shall not exceed fuel consumption for Steam Boilers and D G Sets as mentioned below.

Sr. No.	Stack Attached to	Stack Height in meter	Fuel Consumption	Air Pollution Control System
Existing				
1	D.G. Set (3 Nos.) Capacity: 2000 KVA each	33	Diesel 1800 L/Hr	Stack with 33 m Height
Proposed Additional Total				
1	D.G. Set (1 Nos.) Capacity: 2000 KVA each	33	HSD 600 L/Hr	Stack with 33 m Height
2	D.G. Set (2 Nos.) Capacity: 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 m Height
3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubber (Lime Dosing along with coal) + ESP
Total After Proposed Expansion				
1	D.G. Set (4 Nos.) Capacity: 2000 KVA each	33	HSD 2400 L/Hr	Stack with 33 m Height
2	D.G. Set (2 Nos.) Capacity: 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 m Height
3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubber (Lime Dosing along with coal) + ESP
Note: At present, 30 TPH steam is being taken from M/s. Aarti Industries Limited (Unit-I), SEZ-II, Dahej (ID: 41201) and after proposed expansion 70 TPH steam shall be taken from sister concern unit M/s. Aarti Industries Limited (Unit-I), SEZ-II, Dahej (ID: 41201)				

21. Unit shall provide adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.

22. Unit shall provide adequate APCM with process gas generation sources as mentioned below.

Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
Existing As per CCA- AWH -113931					
1	Scrubber connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	30	Alkali scrubber	SO_2 Acid mist/Sulphur trioxide (For Plant Capacity per 100% Concentration of Sulphuric acid (<300 Tone/Day)	1250 mg/nm^3 (2 kg/MT of 100% conc. acid production) 70 mg/Nm3
2	Scrubber connected to NSA	11	Alkali scrubber	SO_2	40 Mg/Nm^3
3	Scrubber connected to DCP	11	Alkali scrubber	NO_x	25 Mg/Nm^3
4	Scrubber connected to tanks	11	Alkali scrubber	VOC	--
5	Scrubber connected to tanks	11	Alkali scrubber	VOC	--
6	Common Alkali scrubber for SO2 Tank farm	11	Alkali scrubber	SO2	40 mg/Nm3
7	DCA Plant vacuum pump storage tank	11	Water Scrubber	VOC	--
8	HNO3 Tank	11	3 stage Lime Scrubber	NOx	25 Mg/Nm^3
9	Liq SO3 and 25% Oleum tank	11	Acid Scrubber	SO2	40 mg/Nm3
10	Sulphuric Acid Concentration Plan (SAC)	11	Alkali spray Scrubber	SO2 VOC	40 mg/Nm3 --

11	DCP Plant: DCA Sulphate Vent	11	Venturi water scrubber	SO2 VOC	40 mg/Nm3 --
Proposed Total After Expansion					
1	Scrubber connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	30 (Common stack)	Alkali scrubber	SO_2 Acid mist/Sulphur trioxide (For Plant Capacity per 100% Concentration of Sulphuric acid (<300 Tone/Day)	1250 mg/nm^3 (2 kg/MT of 100% conc. acid production) 70 mg/Nm3
2	Scrubber connected to NSA		Alkali scrubber	SO_2	40 Mg/Nm^3
3	Scrubber connected to DCP	11	Alkali scrubber	NO_X	25 Mg/Nm^3
4	Scrubber connected to tanks	11	Alkali scrubber	VOC	--
5	Scrubber connected to tanks	11	Alkali scrubber	VOC	--
6	Common Alkali scrubber for SO2 Tank farm	11	Alkali scrubber	SO2	40 mg/Nm3
7	DCA Plant vacuum pump storage tank	11	Water Scrubber	VOC	--
8	HNO3 Tank Farm	11	3 Stage Alkali Scrubber	NOx	25 Mg/Nm^3
9	Liq SO3 and 25% Oleum tank	11	Acid Scrubber	SO2	40 mg/Nm3
10	Sulphuric Acid Concentration Plan (SAC)	11	Alkali spray Scrubber	SO2 VOC	40 mg/Nm3 --
11	DCP Plant: DCA Sulphate Vent	11	Ventury water scrubber	SO2 VOC	40 mg/Nm3 --
12	DCP Drum Filling Scrubber	11	Alkali Scrubber	VOC	--

23. PP shall use approved fuels only as fuel in boilers and D.G.Set.
24. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety& Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.
    - Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.
    - Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
    - A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.
25. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
26. For control of fugitive emission, VOCs, following steps shall be followed :
    a. Closed handling and charging system shall be provided for chemicals.
    b. Reflux condenser shall be provided over Reactors / Vessels.
    c. Pumps shall be provided with mechanical seals to prevent leakages.
    d. Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.
27. Solvent management shall be carried out as follows:
    - ✓ Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system
    - ✓ Reactor shall be connected to adequate chilling system to condensate solvent vapors and reduce solvent losses.
    - ✓ Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
    - ✓ The condensers shall be provided with sufficient HTA and residence time so as to achieve maximum solvent recovery.
    - ✓ Solvents shall be stored in a separate space specified with all safety measures.
    - ✓ Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
    - ✓ Solvent storage and handling area shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
28. Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx, and VOCs shall be carried out in the impact

zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

A.4 SOLID : HAZARDOUS WASTE

29. All the hazardous/ solid waste management shall be taken care as mentioned below.

Sr. No.	Name of Hazardous Waste	Category	Source of Waste Generation	Quantity in MT/Year Except for Batteries in Nos.				Hazardous Waste Disposal & Management Facility
				Existing As per EC	Existing As Per CCA	Proposed Change / Additional	Total After EC Expansion	
1.	ETP Waste	35.3	From ETP	4800	4800	3376	8176	Collection, Storage, Transportation and Disposal to TSDF/Co-processing.
2.	Distillation Residue	28.1	From Process	4200	4074.48	6045.52	10120	Collection, Storage, Transportation Disposal at CHWIF/Pre-processing/Co-processing.
3.	Gypsum	B2080	-	7200	7200	-7200	0	NA Discontinue
4.	Sulphur Sludge	B2040	From Process	84	84	488	572	Collection, Storage, Transportation, Disposal at TSDF/CHWIF/Co-processing.
5.	Discarded Containers/Bags	33.1	From Plant	Whatsoever Generated	Whatsoever Generated	100	100	Collection, Storage, Decontamination, Transportation, Disposal by sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/Containers to TSDF/CHWIF/Pre-processing/Co-processing.
6.	Used Oil	5.1	From Plant	6	6	24	30	Collection, Storage, Transportation, Disposal by selling to registered reprocessors.
7.	Insulation waste	S1	From Plant	Whatsoever Generated	Whatsoever Generated	40	40	Collection, Storage, Transportation, Disposal by at TSDF Site
8.	No recyclable plastic waste/PPE Waste/Bags/ Cotton Waste	S4	From Plant	25	25	35	60	Collection, Storage, Decontamination, Transportation, Disposal by sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/Containers to TSDF/CHWIF/Pre-processing/Co-processing.
9.	Spent Carbon	36.2	From Process	60	60	60	120	Collection, Storage, Transportation, sent for co-processing/Pre-processing/TSDF/CHWIF
10.	Spent Catalyst	I-26.5	From Process	3.6	3.6	13.68	17.28	Collection, Storage, Transportation sent for regeneration and recycled back or Disposal to TSDF
11.	MEE/ DEE/ATFD Salt (Sodium Sulphate)	35.3	From Process	1260	1260	565	1825	Collection, Storage, Transportation & sold to authorized actual end users having Rule 9 permission or TSDF.

12.	Spent Sulphuric Acid	B-15 Schedule-II	From Process	0	0	12745	12745	Collection, Storage, Transportation & sold to authorized actual end users having Rule 9 permission or use internally as raw material.
13.	Spent Sulphuric Acid	26.3	From Process	0	0	110568	110568	Reception, Storage, Transportation utilization internally as raw material.
14.	Spent Resin	35.2	From Process	0	0	5	5	Collection, Storage, Transportation, sent for co-processing/ Pre-processing /TSDF/ CHWIF
15.	RO Membrane/ Cartridge Filter	36.2	From RO Unit	0	5	5	10	Collection, Storage, Transportation disposal by at TSDF Site
16.	Filter Cloths	36.2	From Unit	0	5	5	10	Collection, Storage, Transportation disposal by at TSDF/CHWIF.
17.	Cotton Waste	33.2	From Unit	1	1	4	5	Collection, Storage, Transportation, disposal at TSDF/CHWIF
18.	Glass Wastes	S7	From Plant	2	2	3	5	Collection, Storage, Transportation, disposal / sold to scrap processors
19.	PPE Waste	33.2	From Plant	0	0	40	40	Collection,Storage,Transportation,and disposal at Common TSDF OR CHWIF

30. Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.
31. Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of Incinerable & land fillable wastes before sending to CHWIF & TSDF sites respectively.
32. The project proponent has to obtain membership of TSDF site & CHWIF before obtaining CTO of GPCB.
33. The unit shall submit the list of authorized end users of hazardous wastes along with MoU signed with them at least two months in advance prior to the commencement of production. In the absence of potential buyers of these items, the unit shall restrict the production of the respective items.

A. SOTHER:

34. The project proponent shall carry out the activities of amount of Rs. 0.67 Crores (Funds for Environment & Renewable energy resources, Health & Hygiene) proposed under CER and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.
35. All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. ENPRO Enviro Tech and Engineers Pvt. Ltd. and submitted by the project proponent and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.

B.GENERAL CONDITIONS:

B.1 CONSTRUCTION PHASE:

36. Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.
37. Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.
38. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
39. First Aid Box shall be made readily available in adequate quantity at all the times.
40. The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.
41. Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the

ambient air and noise quality shall be closely monitored during construction phase.

42. Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.
43. Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.
44. All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.
45. Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.
46. Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete [RMC] and lead free paints in the project.
47. Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.
48. "Wind – breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. Individual building within the project site shall also be provided with barricades.
49. "No uncovered vehicles carrying construction material and waste shall be permitted."
50. "No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured."
51. Roads leading to or at construction site must be paved and blacktopped (i.e. – metallic roads).
52. No excavation of soil shall be carried out without adequate dust mitigation measures in place.
53. Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.
54. Grinding and cutting of building materials in open area shall be prohibited.
55. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
56. Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable).

B 2 OPERATION PHASE:

B 2.1 WATER:

57. The water meter shall be installed and records of daily and monthly water consumption shall be maintained.
58. All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.

B.2.2 AIR:

59. In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.
60. Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.
61. Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.
62. Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.
63. All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission.

B.2.3 HAZARDOUS SOLID WASTE:

64. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
65. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
66. The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)
67. Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.
68. The design of the Trucks/tankers shall be such that there is no spillage during transportation
69. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.
70. Management of fly ash (If any) shall be as per the Fly ash Notification 2009 & its amendment time to time and it shall be

ensured that there is 100% utilization of fly ash to be generated from the unit.

B.2 4 SAFETY:

71. The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963
72. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
73. Main entry and exit shall be separate and clearly marked in the facility.
74. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.
75. Storage of flammable chemicals shall be sufficiently away from the production area.
76. Sufficient number of fire extinguishers shall be provided near the plant and storage area.
77. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
78. All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.
79. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.
80. Only flame proof electrical fittings shall be provided in the plant premises.
81. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.
82. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.
83. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
84. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.
85. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
86. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
87. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
88. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
89. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
90. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.
91. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.

B.2 5 NOISE:

92. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

93. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.
94. The company shall undertake various waste minimization measures such as :
    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 materials substitutes.
    c. Use of automated and close filling to minimize spillages.
    d. Use of close feed system into batch reactors.
    e. Venting equipment through vapour recovery system.
    f. Use of high pressure hoses for cleaning to reduce wastewater generation.
    g. Recycling of washes to subsequent batches.
    h. Recycling of steam condensate.
    i. Sweeping / mopping of floor instead of floor washing to avoid effluent generation.

j. Regular preventive maintenance for avoiding leakage, spillage etc.

B.2.7 GREEN BELT AND OTHER PLANTATION:

95. The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.
96. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.
97. The PP shall develop green belt within premises ((Greenbelt within premises: 10367.85m2 (18.92 %) + Boundary Side Greenbelt: 2120.84 m2 (3.86 %), Out side Greenbelt: (In Luvara village located at 0.9 km from the Project site): 5700 m2 (10.22 %) i.e Total: 18188.69 m2 (33.18 %) of the total plot area) as per the undertaking submitted before SEAC. Green belt shall be developed with native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB.

B.3 OTHER CONDITION

98. **Project Proponent shall provide mechanism/ System for wastewater stream segregation at source and strictly follow up to treatment and final disposal of the same if applicable.**
99. The projects covered under category 5(f) shall undergo the safety and environment audit regularly as per the standards laid down by the GPCB and CPCB.
100. PP shall carry out the safety audit and Risk Assessment Report as per the prevailing guidelines of safety.
101. Management of Fly Ash shall be as per the Fly Ash Notification 2009 & its amendment from time to time and it shall be ensured that there is 100 % utilization of fly ash to be generated from the unit.
102. EMP should invariably include provisions for environmental Monitoring and measures for noise pollution control measures.
103. In EMP proponent should seperately indicate majors of occupational health, fire and safety measures.
104. Prior EC is granted is subject to the proponent receiving all statutory permission / clearances / certificates and membership of respective agencies / authorities which ever applicable. Proponent shall inform progress from time to time, in monthly compliance report to MOEFCC / SEIAA / SEAC/ GPCBfailing to which this provisional EC will stand withdrawn.
105. Wherever waste water or chemical water to be collected by tankers and transported to CETP etc. any diversion and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law.
106. All transport movement by tankers etc has to be done with maintenance of gate pass and logbook it should be verified by the inspecting authorities.
107. Non-hazardous waste data shall be informed to GPCB time to time so as to make an assessment and tie-up with industry for generating sustainable power from the waste.
108. All chemical pharma industry etc. should ensure predictive and preventive maintenance of factory / boiler and reactive show as to avoid incident of fire and safety hazards.
109. EMP should include STP and detail cost including maintenance, transportation of waste water to CETP / CMEE etc as well as transportation cost or transit cost.
110. In LDAR preventive and predictive maintenance plan.
111. In LDAR leakage component, source of equipment leak, detention method should be given in table form.
112. In storage component should be shown separately in terms whether inflammable, toxic, corrosive, reactive etc.
113. In case of Fly Ash generation its management and disposal should be as per Government of India Notification and 100 % utilization should be ensured.
114. Project proponent shall install all environment management systems as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.
115. Project proponent shall display the copy of Environment Clearance at the site prominently.
116. Project proponent shall prepare and follow regular and preventive maintenance plan. The copy of same shall be submitted to SEIAA.
117. Project Proponent will have to display the safety procedure in working area.
118. The project proponent shall obtain all required permissions for safety, health and fire from competent authorities like PESO/Fire Authority etc. and intimate SEIAA.
119. Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP / TSDF / CHWIF / CMEE / Common Spray Dryer as the case may be.
120. Extra care will be taken by PP to avoid any accidental blast in boiler, reactor or any machinery in the plant.
121. Environment monitoring, training and disaster management plan should be undertaken and complied at regular interval.
122. Integrated Regional Office of MoEF&CC,Gandhinagar and GPCB will monitor all environment, safety & health norms as per the prevailing rules.
123. The PP has to maintain the logsheets / registers / manifest / gate pass for discharge through tankers and SCADA system for pipeline discharge for the waste water generation and its disposal data and submit to the GPCB every quarter. GPCB

shall verify the same on regular basis and inform SEIAA and take leagal action in the cases of non compliance.

124. Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no. XX).

125. The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.

126. Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.

127. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.

128. Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.

129. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.

130. All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.

131. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.

132. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.

133. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.

134. During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.

135. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.

136. Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.

137. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.

138. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act,1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

139. The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.

140. The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.

141. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.

142. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.

143. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.

144. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

145. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.

146. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found

satisfactory.

147.The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.

148.The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

149.This environmental clearance is valid for Ten years from the date of issue.

150.Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

151.Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.

B.4 COMPLIANCE OF ENVIRONMENT CLEARANCE:REPORTING:ADMINISTRATION:APPEAL:

152.Project proponent shall submit Certified Compliance Report of IRO, Gandhinagar for Existing EC obtained Within 10 days.

153.Project proponent shall inform to all the concerned authorities including Municipal Corporation and District Collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.

154.Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

155.Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.

156.The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

157.In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the Environment Clearance accorded.

158.Any person including the project proponent affected by this Environment Clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.

159.All complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagj@gmail.com& (b) seacgujarat@gmail.com

(PRAKASH K. MAJMUDAR)
Member Secretary

Issued to:
M/s. Aarti Industries Ltd (Unit II).
Plot No. Z/103/C, GIDC Notified Industrial Estate, SEZ-II, Dahej-392130,
Taluka Vagra, Dist. Bharuch

Copy to:-

1. The Secretary, SEAC, C/O. G.P.C.B. Gandhinagar - 382010.
2. The Additional Chief Secretary, Forests & Environment Department, Govt. of Gujarat, Block 14, 8th floor, Sachivalaya, Gandhinagar-382010.
3. The Chairman, Central Pollution Control Board , Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
4. Scientist C, Integrated Regional Office, Ministry of Environment and Forests, Aranya Bhavan, Sector-10, Gandhinagar – 382010.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
6. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010
7. Select File

SEIAA

Signature Not Verified
Digitally signed by Shri Prakash K. Majmudar
Member Secretary

ANNEXURE

Compliance of EMP Conditions

Sr. No.	Conditions	Compliance
Construction Phase		
i	**Site Preparation**	
1	Uplift of dust during the excavation, leveling operations etc. Control Measure: Sprinkling of water over land, and provision of enclosure.	Complied Regular sprinkling of water over land, and provision of enclosure done for dust reduction in workplace
ii	**Sanitization**	
1	Sanitization facilities. Control Measure: Sewage will be sent to soak pit.	Complied Sewage water is now treated in the STP plant.
iii	**Noise**	
1	Movement of vehicles like truck, Dozer, Cranes. Control Measure: Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles will be maintained in well condition	Complied Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles are maintained in well condition
2	Construction activity. Control Measure: Engineering control, Provide noise protection devices like earmuffs, ear plug to worker, Rotation of work to minimize exposure.	Complied Engineering control, noise protection devices like earmuffs, ear plug to worker, Rotation of work are provided to minimize exposure.
iv	**Wastes from construction equipment**	
1	Dozer, Cranes Control Measures: Avoid spillage, proper storage, disposal by selling to reprocessor.	Complied Unit has avoided spillage, proper storage, disposal by selling to reprocessor.
2	Painting Control Measures: Proper storage, disposal by selling to authorized buyers/incineration.	Complied Unit has properly stored and disposed to authorized buyers/incineration.
3	Construction. Control Measures: Use for leveling purpose within premises	Complied Use has used leveling purpose for filling of low lying area.
Operation Phase		
A.	**Air Environment**	
1	Flue Gas Emissions: Unit shall provide acoustic enclosure and adequate stack height for D.G Set	Complied Unit has provided acoustic enclosure and adequate stack height for D.G Set
2	Process Gas Emissions: Unit shall provide APCM and adequate stack height for control of process gaseous emissions	Complied. Unit has provided a scrubber system and adequate stack height to all process gas emissions.
3	Fugitive Emissions:	Complied
B.	**Water Environment**	
1	Water Consumption The total water consumption of the proposed new unit will be 1429 KL/day. Out of the total water of 1429 KLD, fresh water will be 1253 KLD (Domestic requirement will be 47 KLD and industrial requirement will be 1262 KLD).	Agreed Unit will ensure, the permitted water consumption value will not be exeeded.
2	Wastewater Generation: Total waste water generation shall not exceed permissible limit	Agreed Unit will ensure, the permitted wastewater generation value will not be exeeded.
C.	**Noise Environment**	
1	Transportation activities Control Measures: a. Green belt, Restriction on transportation between 08 p.m. to 9 a.m., Maintain vehicle in good condition.	Agreed Unit had initiate the development of the green belt area. already unit is restricting on transportation between 08 p.m. to 9 a.m.,and maintaining vehicle in good condition.
2	D.G. Set Control Measures: a. Acoustic enclose, Engineering control, b. Provision of PPE, Green belt,	Complied Provided acoustic enclose, Engineering control in D. G. Set for preventing noise pollution
3	Plant/Process area	Complied
D.	**Land Environment**	
1	Development of greenbelt comprising of appropriately selected species of shrubs and trees. It is recommended that plantation be made on sites, road sides, around waste treatment units.	Complied Green belt developed with appropriate species of shrubs and trees like Gulmohar, Neem and Pelta Farm. Plantation is done on site, road sides, around waste treatment units.
E.	**Raw Material and Product Storage Area**	
1	Raw materials will be stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags,etc in sepereate storage room	Complied Raw materials are stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags,etc in sepereate storage room for first phase production will do the same in next phases

2	Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved	Complied Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved for first phase production will do the same in next phases
3	Hazardous flammable substances are separately stored within premises. Solvent transfer will be done by pumps. Reactor & solvent handling pump have mechanical seal	Complied Hazardous flammable substances are separately stored within premises. Solvent transfer is done by pumps. Reactor & solvent handling pump which have mechanical seal for first phase production will do the same in next phases
4	The acid tanks will be provided with dyke wall to control spread of leakages.	Complied The acid tanks are provided with dyke wall to control spread of leakages for first phase production will do the same in next phases
F.	**Vehicular Pollution Control**	
1	All vehicles will be maintained in well condition by regular preventive maintenance to reduce the exhaust level.	Complied All vehicles are maintained in well condition by regular preventive maintenance to reduce the exhaust level. Spark arrestor is used for all vehicles entering the site.
2	Drivers of all vehicles used in the transportation will be trained in transportation of Hazardous chemicals to prevent any accident. Fitness and training test certificate approved by R.T.O to be maintained on the vehicle at all times to ensure transport worthiness.	Complied Unit has developed a checklist which is checked by the security personnel at the entry of material gate. The checklist consists of all the mentioned points which is attached as
G.	**Safety Measures to Prevent the Occupational Health Hazards**	
1	All reasonably practical measures will be adopted by the unit to minimize the risk of accidents within a chemical manufacturing unit	Complied All reasonable practical measures like: a. Work specified PPEs b. Safety Showers c. Fire extinguishers d. Hydrant tank with circulated networks e. DG Sets etc. are provided to minimize the risk of accidents.
2	All building plans and installations will be as per relevant laws and will be approved by competent authority	Agreed & Complied Unit has considered to construct Green Buildings which will be approved by the competent authority
3	Suitable personnel protective equipments and fire extinguishers at strategic locations and suitable personal protective equipments will be provided	Complied Unit has provided PPEs and Fire Extinguishers at Strategic Locations.
4	Training will be imparted to all workers for all the hazardous process operations within the plant and will be supervised by experienced supervisors	Complied Trainings have been for all workers who deal with hazardous process operations within the plant
5	Flame proof electrical fittings, flame arrestors etc will be installed	Complied Unit has provided Flame proof electric fittings, flame arrestors etc.
6	All the raw materials will be stored in designated storage area equipped with necessary safety features	Complied All the raw materials have been stored in the RM Warehouse and which is equipped with specific safety features.
7	Periodic inspection & testing of pressure vessels, equipments, and machineries will be done.	Complied Regular preventive maintenance and periodic inspection of machines is done by the Unit for first phase of produciton and will do the same for next phases.
8	Good housekeeping will be ensured within the factory premises	Complied Good house keeping is ensured within the factory.
9	All designated staff & workers will be trained for the fire-fighting, work permit system, first aid and safe handballing of hazardous chemicals.	Complied All designated staff & workers are properly trained and regular trainings are provided for fire-fighting, work permit system, first aid and safe handballing of hazardous chemicals.
10	Incident/accident reporting system will be developed and all the employees will be made aware for the same.	Agreed & Comply Unit will report incident or accident to all the employees for their awareness.
11	Suitable notices/boards will be displayed at designated locations indicating appropriate hazard warnings.	Agreed and will Comply Proper boards/notices will be displayed at designated locations indicating hazard warnings.
12	Antidotes as well as MSDS for all the chemicals will be made available within the factory premises.	Complied Antidotes are MSDS are availaible for all chemicals within company premises.
13	Pre-employment medical checkup at the time of employment will be carried out. In order to safe guard the health of the employees, all the employees undergo periodic health checkup at every six month.	Complied Pre-employment medical checkup at the time of employment is carried out. All the employees undergo periodic health checkup at every six month.
H.	**Storm Water Management**	

1	The drains for storm water will be kept clean and dry in summer and winter. The storm water drains will be connected to holding tank. The rain water of the premises will be collected in this holding tank through storm water drains. The collected water will be analyzed for any contamination of pollutants for 1st and 2nd rain during monsoon. If analysis indicates any contamination, the collected water will be diverted to ETP plant. In case of no contamination, the collected water will be used in cooling tower and other applications.	Agreed and will comply.
I.	**Energy Conservation Programme**	Agreed and will comply. 1. Unit has planned to consider the solar panels on the roofs of admin and security buildings. 2. Unit will ensure the Preventive Maintenance of equipments which may cause excess energy expenditure.
j.	**Water Conservation Programme**	Agreed and will comply Unit has provided ETP and will provide RO & MEE to recycle water which will result in reduction of freshwater consumption. Unit has started the STP operation and sweage water are treated in STP Plant we will reuse the treated water from STP to the gardening purpose. Unit will ensure to provide Stormwater reservior to reuse water for various industrial purposes.
K.	**Management of Traffic**	
	Parking space for vehicles will be provided for loading and unloading products. Adequate roads to cater to two way traffic and to meet the fire regulations are planned in the complex.	Complied Unit has provided wide two-way RCC roads for managment of traffic. Proper parking space will be provided for loading and unloading products.
L.	**Social Welfare measures for Future Planning**	
1	Providing materials and monetary aid to schools, primary health centers, hospitals, sports, clubs and places of worship.	Complied CER & CSR activity has been done by the unit.

AARTI INDUSTRIES®

Annexure - XI

O/L

Ref: AIL/DHJ/DIA/ENV/25-26/008 **ID: 58381**
Date: 25.05.2025

To,
Deputy Director General of Forests
Integrated Regional Office (IRO)
Ministry of Environment, Forest & Climate Change (MoEF&CC)
KARMAYOGI BHAWAN,Block-3,F-2 Wing, 5th Floor,
Near CH-3 Circle, Sector - 10A,Gandhinagar - 382010

Subject: Half Yearly Environment Clearance conditions compliance report for the period of October-2024 to March-2025.

Reference:- 1)Environment Clearance letter no SEIAA/GUJ/EC/5(f)/391/2018 dated 31/05/2018

Respected Sir,

In reference to the above mentioned subject, Unit is enclosing herewith the compliance Report for the period of October-2024 to March-2025 in respect to the above mentioned references of Environment Clearance and its Amendments for Expansion of Synthetic organic chemicals industry (dyes & dye intermediates) manufacturing unit located at Plot No. Z/103/C, Dahej SEZ-II, Tal. Vagra, Dist. Bharuch, Gujarat.

The unit has obtained and implemented below mentioned ECs and submitted condition wise compliance for the same.

1) Environment Clearance letter no SEIAA/GUJ/EC/5(f)/391/2018 dated 31/05/2018

Thanking You
Yours faithfully,

For Aarti Industries Limited

For AARTI INDUSTRIES LTD.

Authorised Signatory

Authorized Signatory

Encl: EC Compliance with Annexures.

COPY TO:

1. **The Member Secretary, GPCB, Gandhinagar**
2. **Email to The Regional Director, CPCB, Vadodara**
3. **Email to SEIAA, Gujarat**
4. **Uploaded in MOEF&CC(Parivesh) Portal**

031 06125

Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010

PUBLIC NOTICE
ENVIRONMENTAL CLEARANCE

M/s. Aarti Industries Limited (Unit-II)

Plot No. Z/103/C Dahej SEZ-II, Dahej,
Dist: Bharuch, Gujarat. 392130

It is hereby informed that the State level Environment Impact Assessment Authority, Gandhinagar, Gujarat has accorded the Environment Clearance for setting up of the proposed manufacturing of Synthetic Organic Chemicals by M/s. Aarti Industries Limited (Unit-II) at Plot No. Z/103/C, Dahej SEZ-II, Dahej, Bharuch Gujarat- vide File no: SEIAA/GUJ/EC/5(f)/391/2018 dated 31st March, 2018, A copy of the clearance letter is placed at office of Gujarat Pollution Control Board (Bharuch & Gandhinagar) and may also be seen at website of State level Environment Impact Assessment Authority, Gandhinagar, Gujarat at http://seiaa.gujarat.gov.in/

Date: 21-04-2018

sd/-
Director

જાહેર સૂચના
પર્યાવરણીય મંજૂરી

મે. આરતી ઈન્ડસ્ટ્રીઝ લિમિટેડ (યુનિટ-૨)

પ્લોટ નં. ઝેડ/૧૦૩/સી, દહેજ સેઝ-૨, દહેજ, જિ. ભરૂચ, ગુજરાત- ૩૯૨૧૩૦

આ સાથે જાહેર જનતા ને વિદિત કરવામાં આવે છે કે રાજ્ય લેવલ એન્વાયર્નમેન્ટલ ઈમ્પેક્ટ એસેસમેન્ટ ઓથોરીટી પર્યાવરણ ભવન સેક્ટર-૧૦ એ, ગાંધીનગર ૩૮૨૦૧૦ ગુજરાત દ્વારા તેમનો પત્ર ક્રમાંક નંબર એસ.ઈ.આઈ.એ.એ/ગુજ/ઈસી/૫(એફ)/૩૯૧/૨૦૧૮ તારીખ: ૩૧/૦૩/૨૦૧૮ દ્વારા ફ્લુરિક રસાયણિક કેમિકલ્સ ના ઉત્પાદન માટે મે. આરતી ઈન્ડસ્ટ્રીઝ લિમિટેડ (યુનિટ-૨) પ્લોટ નં. ઝેડ/૧૦૩/સી, દહેજ સેઝ-૨, દહેજ, જિ. ભરૂચ, ગુજરાત-૩૯૨૧૩૦ ને પર્યાવરણીય મંજૂરી આપવામાં આવે છે. ઉપરોક્ત મંજૂરીની નકલો સંબંધી રાજ્યકક્ષાની ઓફિસમાં, ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડની કચેરી (ભરૂચ અને ગાંધીનગર) પર ઉપલબ્ધ છે. અને રાજ્ય સ્તરે પર્યાવરણ આકારણી સત્તા ગાંધીનગર ગુજરાતની વેબસાઈટ http://seiaa.gujarat.gov.in/ પર પણ મુકવામાં આવેલ છે.

તારીખ: ૨૧-૦૪-૨૦૧૮

અધિકૃત હસ્તાક્ષર
ડિરેક્ટર

SC33664

Aarti Industries Limited
Training/Meeting Attendance Sheet

Session Title:	*111 A Mandatory Sustainability One Day Training*		
Site:	Dahej	Duration:	09:30am to 05:30pm
Date	29 September 2025	Division/Plant:	All
Trainer:	Ash Kumar, Hiten Manakdana	Venue:	Narmada Training

	Sr. No.	Employee Code	Name	Designation	Function	Division	Signature
	1	59001226	MD AFZAL	Supervisor	INST	Saffron	[signature]
	2	59000113	Jaxin Prajapati	Safety officer	Safety	"	[signature]
	3	59001886	Mosuir Mansuri	Tech.	Inst.	Diamond	[signature]
	4	59001134	Sajid Bhata	Associate	Inst	Saffron	[signature]
	5	59000562	Taufik M. Mansuri	Operators	operator	Diamond	[signature]
	6	59001433	Ashok Jotva	Tech	Mech	NEO	[signature]
	7	59000208	Roshan Parmar	Tech	mech	NEO	[signature]
	8	59004040	Himanshu D Patel	Sr. Tech	Utility/Boilers	NEO	[signature]
	9	59000108	Bhatti Riyaz I	Sr Tech	Utility	NEO	[signature]
	10	59001525	KALPESH VASAVA	Sr. Tech	Mech	NEO	[signature]
	11	59000058	Dinesh Patenvadiya	Sr Tech	Boilers	Neo	[signature]
	12	59001623	Paresh parmar	tech	Mech	Neo	[signature]
AT	13	59002117	Ronak Thakor	Sr. Tech	mech	Neo	[signature]
	14	59001521	Shailesh Vasava	Tech ~~Diamond~~	mech	Diamond	
	15	59001286	Tailor Hitesh	Tech	Mech	"	[signature]
	16	59001922	MANOJ KUMAR GAUTAM	Tech	Mech	Diamond	[signature]
Apprentice	17	91033046	Rathod Hemanshu	APP	operation	NEO	[signature]
Apprentice	18	91033043	Hemraj Parmar	APPrentice	operation	Neo	[signature]
Apprentice	19	91033042	Machhi Arun	Apprentice	operation	Neo	[signature]
AT	20	59002105	Kusum Pitanvadiya	ASSociate	operation	Neo	[signature]
AT	21	59002104	Daxesh Gohil	Associate	operation	Neo	[signature]
AT	22	59002103	Ghunchi moin. K	Associate T	operation	Neo	[signature]
AT	23	59002102	Gohil Tarun .V	Associate T	operation	Neo	T.V.G
AT	24	59002148	Yuvraj Machhi	Assistant Associate	operation	Neo	[signature]
ET	25	59002121	Shubham Bharadwa	Executive Training	operation	Neo	[signature]
ET	26	59002122	Jutin Savat	Executive Trainee	operation	Neo	Jutin
	27	59000188	Sanjay Makwana	Tech	Mech	Neo	[signature]
AT	28	59001671	Sunil Dabhi	Supervisor	INST	Saffron	[signature]
	29						
	30						

Remarks:

Sign of HR		Sign of Faculty	

SC33411

Aarti Industries Limited
Training/Meeting Attendance Sheet

Session Title:	Safety Workday Training				
Site:	Dahej	Duration:	09:00am to 05:00pm		
Date	12 September 2025	Division/Plant:	All		
Trainer:	Ash Kumar, Dheerendra Sikarwar, Dr Aishwarya Hinduji		Venue:	Narmada Training Hall	

Sr. No.	Employee Code	Name	Designation	Function	Division	Signature
1	59001712	Pravinesh Patel	DCS EXC	Operation.	Neo	PPatel
2	59000862	PARTH PATEL	11	11	11	PPatel
3	59002131	Vivek Prajapati	Junior Manager	Operation	Neo	Vivek
4	59000679	Patel Himanshu. F	DCS EXC	11	Saffron	PHPatel
5	59002015	Patel Jeel V	JM	Operation	Saffron	Jeel
6	59002092	Krishna. V. Maradiya	DCS. Executive	operation	Neo	KVM
7	59002075	Rohan Vailand	DCS Exe	11	11	Rohan
8	59002055	Pidhaan Ajmera	DCS Exe	11	11	PA
9	59001921	Lakshman Verma	DCS Exe.	11	11	LVerma
10	59001466	Tushal Mistry	DCS Executive	11	11	Tushal
11	59001744	Makwana Tarun	DCS Executive	Operation	Diamond	TMakwana
12	5900 2069	Badal Rakshit	DCS Executive	Operation	Neo	BR
13	59001919	Makwana Kunal	11	11	Neo	MKunal
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Remarks:

Sign of HR		Sign of Faculty	

AARTI INDUSTRIES®

Ref: AIL/DHJ/DIA/25-26/ENV/018 **ID: 58381**
Date: 30.10.2025

To,
Deputy Director General of Forests
Integrated Regional Office (IRO)
Ministry of Environment, Forest & Climate Change (MoEF&CC)
KARMAYOGI BHAWAN,Block-3,F-2 Wing, 5th Floor,
Near CH-3 Circle, Sector - 10A,Gandhinagar - 382010

Subject: Half Yearly Environment Clearance conditions compliance report for the period of April-2025 to September-2025.

Ref: 1) Environment Clearance letter no SEIAA/GUJ/EC/5(f)/192/2023 dated 14/02/2023
2) Environment Clearance letter no File No. SEIAA/GUJ/EC/5(f)/391/2018 Dated. 31/03/2018

Respected Sir,

In reference to the above mentioned subject, Unit is enclosing herewith the compliance Report for the period of April-2025 to September-2025 in respect to the above mentioned Environment Clearances granted for the manufacturing of the Synthetic organic chemicals industry (dyes & dye intermediates) unit located at Plot No. Z/103/C, Dahej SEZ-II, Tal. Vagra, Dist. Bharuch, Gujarat.

The unit has obtained and implemented below mentioned ECs and submitted condition wise compliance for the same.

1) Environment Clearance letter no SEIAA/GUJ/EC/5(f)/192/2023 dated 14/02/2023
2) Environment Clearance letter no File No. SEIAA/GUJ/EC/5(f)/391/2018 Dated. 31/03/2018

Thanking You
Yours faithfully,

For Aarti Industries Limited (Unit - 2)

For AARTI INDUSTRIES LTD.

Authorized Signatory Authorised Signatory

Encl: EC Compliance with Annexures.

COPY TO:

1. **The Member Secretary, GPCB, Gandhinagar**
2. **Email to The Regional Director, CPCB, Vadodara**
3. **Email to SEIAA, Gujarat**
4. **Uploaded in MOEF&CC(Parivesh) Portal**

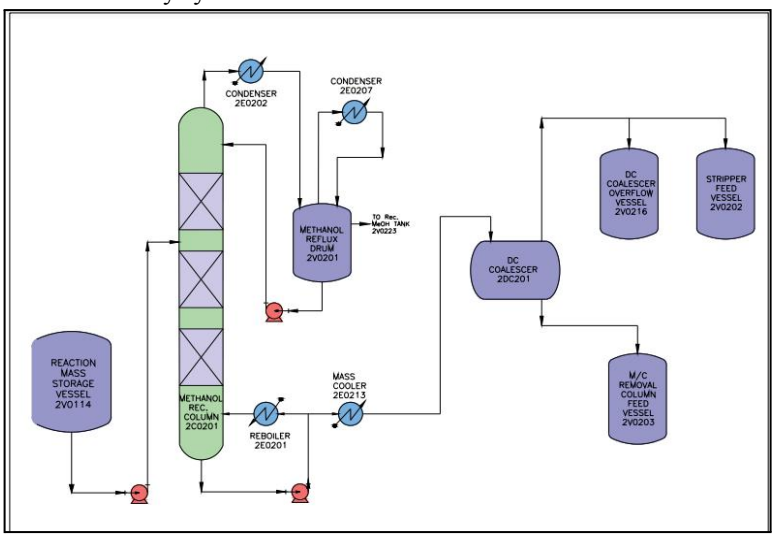
M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch

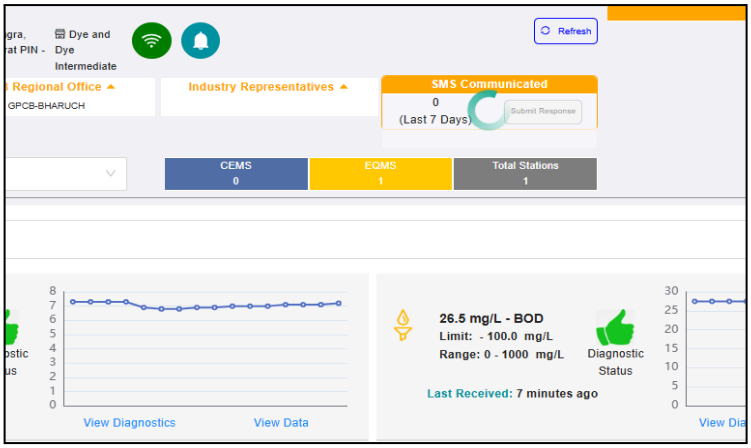
Compliance report of Environmental Clearance File No. SEIAA/GUJ/EC/5(f)/391/2018 Dated. 31/03/2018, April-2025 to September-2025

<table>
<tr><th>Sr. No.</th><th>Name of Product</th><th>CAS No.</th><th>Total Quantity (MT/month)</th><th>Application</th><th>Status</th></tr>
<tr><td colspan="6">Organic Chemicals</td></tr>
<tr><td>1</td><td>2, 5 Dichloro Aniline</td><td>95-82-9</td><td>1815</td><td>It is a precursor to dyes, chemical intermediates and pigments.</td><td>Complied
<table>
<tr><th rowspan="2">Month</th><th>Production (MT)</th></tr>
<tr><th>2, 5 Dichloro Aniline</th></tr>
<tr><td>Apr -25</td><td>1006</td></tr>
<tr><td>May -25</td><td>427</td></tr>
<tr><td>Jun-25</td><td>743</td></tr>
<tr><td>Jul -25</td><td>732</td></tr>
<tr><td>Aug-25</td><td>910</td></tr>
<tr><td>Sep -25</td><td>748</td></tr>
</table>
All products are under prescribed limits.</td></tr>
<tr><td>2</td><td>2. 5 Dichloro Phenol</td><td>583-78-8</td><td>1500</td><td>Dichlorophenols are used as intermediates in the manufacture of more complex chemical compounds. It will be used as a raw material for chemical intermediates.</td><td>Complied
<table>
<tr><th>Month</th><th>Production (MT)</th></tr>
<tr><td>Apr -25</td><td>4278.677</td></tr>
<tr><td>May -25</td><td>2625.482</td></tr>
<tr><td>Jun-25</td><td>4408.462</td></tr>
<tr><td>Jul -25</td><td>3961.565</td></tr>
<tr><td>Aug-25</td><td>4482.461</td></tr>
<tr><td>Sep -25</td><td>5204.753</td></tr>
</table></td></tr>
<tr><td colspan="6">Inorganic Chemicals</td></tr>
<tr><td>1</td><td>Nitrosyl Sulphuric Acid</td><td>7782-78-7</td><td>1470</td><td>Used in organic chemistry to prepare diazonium salts from amines</td><td rowspan="2">Complied
<table>
<tr><th rowspan="2">Month</th><th colspan="2">Production (MT)</th></tr>
<tr><th>NSA</th><th>H2SO4</th></tr>
<tr><td>Apr -25</td><td>416.726</td><td>1770.2</td></tr>
<tr><td>May -25</td><td>576.681</td><td>794.75</td></tr>
<tr><td>Jun-25</td><td>643.801</td><td>1565.37</td></tr>
<tr><td>Jul -25</td><td>921.662</td><td>860</td></tr>
<tr><td>Aug-25</td><td>512.694</td><td>1471</td></tr>
<tr><td>Sep -25</td><td>955.364</td><td>1878</td></tr>
</table></td></tr>
<tr><td>2</td><td>98% Sulphuric Acid</td><td>7664-93-9</td><td>2350</td><td>Used in chemical industry for production of basic synthetic organic chemicals</td></tr>
</table>

Total of Organic and inorganic Chemicals	**7135 MT/Month**		**Complied** **Average production of 4160.23 MT/Month in the compliance period (April 2025 to September 2025)**

Sr. No.	Points	Compliance
CONDITIONS		
A.1 SPECIFIC CONDITIONS		
1	There shall be no end use of the proposed products as pesticide and pesticide specific intermediates as mentioned in EIA Notification 2006 and as submitted undertaking with EIA report.	Complied Unit is ensuring that no end use of the proposed products as pesticide and pesticide specific intermediates.
2	The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	Complied The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE. 

		Photograph of MEE Plant  Photograph of RO
3	Spent solvent recovery (1384.1 MT/Month) shall be recovered by in-house distillation in such a manner that recovery shall not be less than 95 percent and recovered solvent shall be completely reused in the process.	Complied The solvent recovery system with a recovery not less than 95% is being taken care of in the plant and the same being ensured during operation of the plant.
4	Close loop solvent recovery system with an adequate condenser system shall be provided to recover solvent vapors.	Complied Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is as below  The plant is operated under the DCS Control system.

5	Leak detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines.	Complied As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as per the desired set point all are connected to the Hooter & DCS System. Hydrogen Detector System, Methanol Detector System, SO2 Detector System & Xylene Detector system. Device list attached as an Annexure-I
6	Continuous Emission Monitoring System (CEMS) shall be provided for monitoring of air pollutants and waste water discharge.	Complied Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission. 
7	All measures shall be taken to prevent soil and groundwater contamination.	Complied Unit has taken all necessary precautions and monitored the soil from time to time to eliminate soil & water contamination, all process areas are provided with proper flooring and catchment pit so that spills, if any, gets collected, transferred and properly treated in inhouse treatment systems. PCC flooring is provided for prevention of Soil contamination. Photographs for same are attached below:

		 
8	The unit shall submit the list of authorized end users of above mentioned wastes along with MoU signed with them at least two months in advance prior to commencement of production. In absence of potential buyers of these items, the unit shall restrict the production of respective them.	Complied The Unit has taken membership for incineration from SEPL and BEIL. The Unit has received a membership certificate for co-processing/ pre-processing from those units. Unit has received a Landfill membership certificate from BEIL. The membership details are attached in **Annexure-II**
A.2 WATER		

<table>
<tr>
<td>9</td>
<td>Total water requirement for the project shall not exceed 1432 KL/Day. Unit shall reuse water 56 KL/Day from RO permeate, 47 KL/Day from STP and 73 KL/Day from the filter section. Hence, fresh water requirement shall not exceed 1312 KL/Day and it shall be met through GIDC water supply only. Prior permission from the concerned authority shall be obtained for withdrawal of water.</td>
<td>Complied
Total Water Requirement is not exceeding 1429 KL/Day and fresh water requirement is not exceeding 1253 KL/Day and Recycle water is 56 KL/Day
from RO Permeate, 47 KL/Day from STP, 73 KL/Day from Filter Section(SSF) as per CC&A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 & AWH-123267 dated: 18/12/22. Water consumption is under the prescribed limit.
WATER CONSUMPTION DETAILS
<table>
<tr><th>Particular</th><th>Unit</th><th>Apr’25</th><th>May’25</th><th>Jun’25</th><th>Jul’25</th><th>Aug’25</th><th>Sep’25</th></tr>
<tr><td rowspan="2">Fresh Water Consumptions (1253 KLD)</td><td>Total KL/Month</td><td>15558</td><td>10470</td><td>11841</td><td>14361</td><td>13627</td><td>13519</td></tr>
<tr><td>Average KLD</td><td>518.6</td><td>337.7</td><td>394.7</td><td>463.3</td><td>439.58</td><td>450.63</td></tr>
</table>
Water consumption is under the prescribed limit.</td>
</tr>
<tr>
<td>10</td>
<td>The industrial effluent generation from the project shall not exceed 265 KL/Day.</td>
<td>Complied
The effluent generation of the Unit is not exceeding 262 KL/Day as per CC&A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 & AWH-123267 dated: 18/12/22.
EFFLUENT GENERATION DETAILS
<table>
<tr><th>Particular</th><th>Unit</th><th>Apr’25</th><th>May’25</th><th>Jun’25</th><th>Jul’25</th><th>Aug’25</th><th>Sep’25</th></tr>
<tr><td rowspan="2">Industrial Effluent Generation)</td><td>KL/ Month</td><td>5172</td><td>5250</td><td>3594</td><td>6086</td><td>4946</td><td>4885.6</td></tr>
<tr><td>Average KLD</td><td>172.4</td><td>169.4</td><td>119.8</td><td>196.3</td><td>164.8</td><td>162.8</td></tr>
</table>
Waste Water generation is under Prescribed Limits</td>
</tr>
<tr>
<td>11</td>
<td>The industrial wastewater i.e. Process water + RO Reject (228+37=265 KL/Day) shall be treated in ETP comprising Primary, Secondary and Tertiary treatment plants.</td>
<td>Compiled.
The average daily generation of industrial effluent for the monitoring period is 160.05 KL/day. The effluent coming from various plants are collected and treated in ETP consists of Primary, secondary and tertiary treatment facilities. Further treated in RO and discharged to the GIDC pipeline.
Details of wastewater Generation (combined for process and utility)
<table>
<tr><th>Particular</th><th>Unit</th><th>Apr’25</th><th>May’25</th><th>Jun’25</th><th>Jul’25</th><th>Aug’25</th><th>Sep’25</th></tr>
<tr><td>Industrial Effluent to ETP (225</td><td>Total KL/Month</td><td>5172</td><td>5250</td><td>3594</td><td>6086</td><td>4946</td><td>4885.6</td></tr>
</table></td>
</tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>KLD)</td><td>Average KLD</td><td>172.4</td><td>169.4</td><td>119.8</td><td>196.3</td><td>164.8</td><td>162.8</td></tr>
</table>
Wastewater generation is within the prescribed limits
</td></tr>
<tr><td>12</td><td>Treated wastewater (265 KL/Day) shall be discharged deep sea (Arabian Sea) through underground pipeline of GIDC after achieving discharge norms prescribed by regulatory authority.</td><td>
Complied
Unit is ensuring discharge treated effluent after conforming to GPCB norms in the underground pipeline of GIDC.
GIDC Discharge Details
<table>
<tr><th>Particular</th><th>Unit</th><th>Apr'25</th><th>May'25</th><th>Jun'25</th><th>Jul'25</th><th>Aug'25</th><th>Sep'25</th></tr>
<tr><td rowspan="2">WasteWater Discharge (KLD)</td><td>Total KL/Month</td><td>5162</td><td>5240</td><td>3584</td><td>6076</td><td>4936</td><td>4832</td></tr>
<tr><td>Average KLD</td><td>172.1</td><td>169.0</td><td>119.5</td><td>196.0</td><td>164.5</td><td>155.9</td></tr>
</table>
All the discharge parameters are under prescribed limits
</td></tr>
<tr><td>13</td><td>The domestic wastewater generation shall not exceed 47 KL/Day and it shall be treated in STP and use for gardening/maintaining green belt within premises.</td><td>
Complied
Domestic wastewater is treated in STP. Treated water used for gardening/cooling tower purposes.
Domestic Waste Water Generation
<table>
<tr><th>Particular</th><th>Unit</th><th>Apr'25</th><th>May'25</th><th>Jun'25</th><th>Jul'25</th><th>Aug'25</th><th>Sep'25</th></tr>
<tr><td rowspan="2">Domestic WasteWater (57 KLD)</td><td>Total KL/Month</td><td>336</td><td>393</td><td>466</td><td>486</td><td>435</td><td>560</td></tr>
<tr><td>Average KLD</td><td>11.20</td><td>12.68</td><td>15.53</td><td>15.68</td><td>14.03</td><td>18.66</td></tr>
</table>
All Domestic waste water generation is under prescribed limits.
</td></tr>
<tr><td>14</td><td>During monsoon season when treated sewage effluent may not be required for the plantation/Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case.</td><td>Complied
The treated STP water is being used for green belt development / Cooling tower. During Monsoon the treated STP water shall be used for cooling tower make up. Also, the Unit has constructed a guard tank for storage of treated water.</td></tr>
<tr><td>15</td><td>Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.</td><td>Complied
Unit has an adequate buffer with two water storage tanks each of 300 kl capacity for holding the treated wastewater during the rainy days.</td></tr>
<tr><td>16</td><td>Unit shall provide an online monitoring system on the final discharge line for measuring quantity & quality of waste water as per the guidelines of regulatory authority.</td><td>Complied
Unit has provided an online monitoring system on the final discharge line for measuring quantity & quality of waste water as per the guidelines.
The parameters are measured continuously in the Online System (COD, BOD, TSS, pH & Flow) and the same has been connected to the GPCB & CPCB Server.
Screenshot (Image) of continuous online data monitoring at CPCB server attached in Condition No. 6.</td></tr>
</table>

17	The unit shall provide metering facility at the inlet and outlet of the ETP and maintain records for the same.	Complied Unit has provided a metering system and maintained the same in the logbook. 
18	Proper logbook of ETP, chemical consumption, quantities and qualities of effluent discharge and reuse, power consumption etc shall be maintained and shall be furnished to the GPCB from time to time.	Complied Unit is maintaining a logbook of ETP, chemical consumption, quantities and qualities of effluent discharge and reuse, power consumption etc, and is furnished to the GPCB from time to time.
A.3 AIR		
19	There shall be no use of any type of fuel for utility or process requirements for the proposed project.	Complied The unit has not used any type of fuel for utility or process requirements for the proposed project.Only Diesel will be used in case of emergency to run the D.G set.
20	Unit shall provide APCM as mentioned below points for control of process gaseous emissions.	Complied Unit has provided scrubber systems to control gaseous emission across the operations.

21	Unit shall provide a two stage alkali scrubber as APCM with Sulphur Dioxide reaction and Sulphuric Acid plant to control SO2 gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with Sulphur Dioxide reaction and Sulphuric Acid plant to control SO2 gaseous emission.
22	Unit shall provide a two stage alkali scrubber as APCM with an NSA plant to control SO2 gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with an NSA plant to control SO2 gaseous emission.
23	Unit shall provide two stage alkali scrubber as APCM with DCP plant to control NOx & VOC gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with a DCP plant to control NOx & VOC gaseous emission.

<table>
<tr>
<td>24</td>
<td>Unit shall provide two stage alkali scrubber as APCM with storage tanks to control VOC.</td>
<td>Complied
Unit has provided a two stage alkali scrubber as APCM with storage tanks to control VOC. VOCs Monitoring are carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of VOC monitoring from scrubber is attached in Annexure-III
<table>
<tr><th>Sr. No</th><th>Stack Attached to</th><th>APCM</th><th>Parameter</th></tr>
<tr><td>1</td><td>Scrubber Connected to Sulphur Dioxide reaction and Sulphuric Acid Plant</td><td>Alkali Scrubber</td><td>SO2

Acid Mist/Sulphu Trioxide</td></tr>
<tr><td>2</td><td>Scrubber Connected to NSA</td><td>Alkali Scrubber</td><td>SO2</td></tr>
<tr><td>3</td><td>Scrubber Connected to DCP</td><td>Alkali Scrubber</td><td>NOx</td></tr>
<tr><td>4</td><td>Scrubber Connected to Tank Farm-1</td><td>Alkali Scrubber</td><td>VOC</td></tr>
<tr><td>5</td><td>Scrubber Connected to Tank Farm-2</td><td>Alkali Scrubber</td><td>VOC</td></tr>
<tr><td>6</td><td>Common Alkali Scrubber Connected to SO2 Tank Farm</td><td>Alkali Scrubber</td><td>SO2</td></tr>
<tr><td>7</td><td>DCA Plant vacuum pump storage tank</td><td>Water Scrubber</td><td>VOC</td></tr>
<tr><td>8</td><td>HNO3 Tank</td><td>3 stage lime scrubber</td><td>NOx</td></tr>
<tr><td>9</td><td>Liq SO3 and 25% oleum tank</td><td>Acid Scrubber</td><td>SO2</td></tr>
<tr><td>10</td><td>SAC and TAR plant</td><td>Alkali Spray Scrubber</td><td>SO2
VOC</td></tr>
<tr><td>11</td><td>DCP Plant: DCA Sulphate Vent</td><td>Ventury Water Scrubber</td><td>SO2
VOC</td></tr>
</table>
</td>
</tr>
<tr>
<td>25</td>
<td>Unit shall provide two stage alkali scrubber as APCM with storage tanks to control VOC.</td>
<td>Complied
Unit has provided a two stage alkali scrubber as APCM with storage tanks to control VOC.
The detailed table of APCM is provided in Point No.24</td>
</tr>
</table>

<table>
<tr><td>26</td><td>Diesel to the tune of 660 Lit/hr shall be used as fuel in 2 nos. Of D.G. Set (Standby).</td><td>Diesel to the tune of 660 Lit/hr shall be used as fuel in 2 nos. Of D.G. Set (Standby). till 22/09/2021 After then Diesel to the tune of 1800 Lit/hr will be used as fuel in 3 nos. of D.G. Set. Records of diesel consumption month-wise given as below:
Diesel Consumption
<table>
<tr><th>Month</th><th>Apr'25</th><th>May'25</th><th>Jun'25</th><th>July'25</th><th>Aug'25</th><th>Sep'25</th></tr>
<tr><td>Limit</td><td colspan="6">As per CCA - 1800 Lit/Hr</td></tr>
<tr><td>Total Diesel Consumption Litre/Month)</td><td>480.0</td><td>3372.0</td><td>544.0</td><td>495.0</td><td>545.0</td><td>510.0</td></tr>
<tr><td>Diesel Consumption (Litre/Hr)</td><td>0.7</td><td>4.5</td><td>0.8</td><td>0.7</td><td>0.8</td><td>0.7</td></tr>
</table>
The total diesel consumption is under prescribed limit</td></tr>
<tr><td>27</td><td>Measure shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have a vapour recovery system.</td><td>Complied
Unit has ensured to take all necessary measures to reduce the process vapor emission. The unit has installed scrubbers and has installed a solvent recovery system as mentioned in condition number 4.</td></tr>
<tr><td>28</td><td>The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health).Following indicative guidelines shall also be followed to reduce the fugitive emission.
Internal roads shall be either concrete or asphalted or paved properly to reduce the fugitive emission during vehicular movement.
Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
A green belt shall be developed all round the plant boundary and also the roads to mitigate fugitive & transport dust emission.</td><td>Complied
Unit has followed below guidelines to reduce the fugitive emissions in the work zone.

Internal roads have been concreted. Photograph has been attached as below:
 
The site is not using coal or any other material that will generate fine dust particles. Hence, sprinklers are not installed in the process area.</td></tr>
</table>

		 Green belt has been developed in and around the plant boundary and roads to mitigate fugitive & transport dust emission. Photographs of Green belt area attached as below: 
29	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.	Complied Volatile Organic Compounds (VOCs) are monitored by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.). Work zone monitoring Report attached **Annexure-IV**
30	For control of fugitive emission, VOCs, following steps shall be followed: Closed handling and charging systems shall be provided for chemicals. Reflux condenser shall be provided over Reactors / Vessels. Pumps shall be provided with mechanical seals to prevent leakages.	Complied Closed handling and charging systems have been provided for chemicals. Reflux condenser has been provided over Reactors / Vessels. Pumps have been provided with mechanical seals to prevent leakages. The plant is operated by a DCS system.

<table>
<tr><td>31</td><td>Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosure.</td><td>Complied
Unit has provided an enclosure system for air borne dust at all transfer operations.</td></tr>
<tr><td>32</td><td>Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx and VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.</td><td>Complied
The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorised party (Unistar Environment & Research Labs Pvt. Ltd.). Report of Ambient air quality monitoring is attached in Annexure-IV</td></tr>
<tr><td>33</td><td>Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.</td><td>Complied
Unit has provided scrubber systems to reduce process vapors and monitored in plant DCS control systems. All processes are taken in a close loop to control process vapour emissions. Unit has ensured to take all necessary measures to reduce the process vapor emission.
VOC Monitoring data are given in Point no. 27</td></tr>
<tr><td>34</td><td>The fugitive emission in work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission. Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. Air borne dust shall be controlled with water sprinklers at suitable locations in the plant. A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.</td><td>Complied
Unit has followed below guidelines to reduce the fugitive emissions in the work zone.

Internal roads have been concreted.
Photograph of the same is given in Point No. 28

Water sprinklers have been provided at suitable locations in the plant.
Photograph of the same is given in Point No. 28

Green belt has been developed in and around the plant boundary and roads to mitigate fugitive & transport dust emission.

Photograph of the same is given in Point No. 28
Table of Dust Monitoring is given in point no. 28</td></tr>
<tr><td colspan="3">A.4 SOLID/HAZARDOUS WASTE</td></tr>
<tr><td>35</td><td>ETP Sludge shall be disposed off at the active common TSDF.</td><td>Complied
ETP sludge is being disposed of to common TSDF sites such as BEIL. Membership certificate for TSDF site has been received and attached in Annuxure-XIII

Annual Generation & Disposal Quantity of Landfill Waste ETP Sludge is as Follows:

<table>
<tr><td rowspan="2">Waste</td><td>Month</td><td>Apr’25</td><td>May’25</td><td>Jun’25</td><td>July’25</td><td>Aug’25</td><td>Sep’25</td></tr>
<tr><td>Limit</td><td colspan="6">4800 MT/ Year</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td rowspan="2">ETP Waste (35.3) (MT)</td><td>Generation</td><td>32.850</td><td>24.700</td><td>41.480</td><td>15.300</td><td>123.730</td><td>60.97</td></tr>
<tr><td>Disposal</td><td>0.000</td><td>34.470</td><td>48.230</td><td>32.610</td><td>134.600</td><td>29.24</td></tr>
</table>
ETP Waste generation under Prescribed limit.
</td></tr>
<tr><td>36</td><td>Discarded containers/ drums/ bags/ contaminated HDPE / LDPE bags shall be disposed by selling to authorized recyclers.</td><td>
Complied
Unit will discard containers/drums/ bags/contaminated HDPE/ LDPE bags by selling to authorized recyclers. Name of recycler : BEIL, Dahej.
<table>
<tr><td rowspan="2">Waste</td><td>Month</td><td>Apr’25</td><td>May’25</td><td>Jun’25</td><td>Jul’25</td><td>Aug’25</td><td>Sep’25</td></tr>
<tr><td>Limit</td><td colspan="6">4800 MT/ Year</td></tr>
<tr><td rowspan="2">Discard containers/ drums/ bags/ contaminated HDPE / LDPE bags (33.1) (MT)</td><td>Generation</td><td>1.2</td><td>1.2</td><td>0.93</td><td>4</td><td>1</td><td>1.2</td></tr>
<tr><td>Disposal</td><td>1.79</td><td>0.76</td><td>0.93</td><td>3.5</td><td>0.96</td><td>0.88</td></tr>
</table>
All Waste generation is under the Prescribed limit.
</td></tr>
<tr><td>37</td><td>Used oil shall be sold only to the registered re-processor or use for lubrication within premises.</td><td>
Complied.
During the Compliance period April-25 to September-25, used oil was sent to the authorized registered recyclers. Details are as follows:
<table>
<tr><td rowspan="2">Waste</td><td>month</td><td>Apr’25</td><td>May’25</td><td>Jun’25</td><td>Jul’25</td><td>Aug’25</td><td>Sep’25</td></tr>
<tr><td>Limit</td><td colspan="6">6 KL/Annum</td></tr>
<tr><td rowspan="2">Used Oil Generation(5.1) (KL)</td><td>Generation</td><td>0.6</td><td>0.6</td><td>0.4</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td>Disposal</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr>
</table>
Used Oil Generation under prescribed limit
</td></tr>
<tr><td>38</td><td>Spent carbon, Gypsum shall be sent for co-processing in cement industries or send to Common Hazardous Waste Incineration facility for incineration.</td><td>Complied.
We shall sent Spent carbon, Gypsum for co-processing in cement industries or send to Common Hazardous Waste Incineration facility for incineration.</td></tr>
</table>

39	Management of spent solvent shall be as per the specific condition mentioned above.	Complied It is managed as required, data of solvent recovery is given in Point No. 3.
A.5 OTHER		
40	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Jyoti Om Chemical Research Center Pvt. Ltd., Ankleshwar and submitted by project proponent vide letter no. NIL dated 02/02/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Complied Unit strictly adheres to the commitments made to the SEAC.
B. GENERAL CONDITIONS		
B.1 CONSTRUCTION PHASE		
41	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Complied Unit has established the existing set up. There was no construction activity performed during the last six month.
42	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Complied Unit has established the existing set up. There was no construction activity performed during the last six month.
43	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied The unit has established the existing set up of all facilities. There was no construction activity performed during the last six months.
44	First Aid Box shall be made readily available in adequate quantity at all the times.	Complied Unit has provided an adequate first aid box and is maintained in good condition. 

45	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Services) Act 1996 and Gujarat rules made there under their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	Complied
46	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.	Complied Noise monitoring is being carried out by an approved NABL / GPCB/ MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) The noise levels in the plant conform to the standards prescribed in the EPA Act, 1986. During the construction phase, mock drills were arranged by the safety department, now the unit is in operation phase, therefore monitoring the noise levels from time to time. Copy of the latest report has been attached as **Annexure-V** The Noise monitoring detail has been provided in Point No. 87.
47	Use of Diesel Generator (DG) sets during the construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Complied
48	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	Complied Sewage waste water was collected and treated through a STP Plant.
49	All topsoil excavated during construction activity shall be used in horticulture/ landscape development within the project site.	Complied All the excavated soil was used for landscape developing and back filling within the premises. Unit has established the existing set up. There was no construction activity performed during the last six month.
50	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create an adverse effect on neighbouring communities.	Complied The unit has completed overall project activity. Therefore compliance conditions related to the B1 construction phase have been already compiled.
51	Project proponents shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	The unit has completed overall project activity. Therefore compliance conditions related to the B1 construction phase have been already compiled

52	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	Complied
B.2 OPERATION PHASE		
B.2.1 WATER		
53	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Complied. Unit has installed water meters and maintains the record on a daily and monthly basis.  **Water Consumption data is given in point No. 9**
54	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	Complied. The unit had adopted Best Available Technology (BAT) to reduce, recycle and reuse the treated effluent. The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE. The unit will reuse permeate/condensate generated from RO, DEE & MEE in the cooling tower. Photographs are given in Point No 2.
B.2.2 AIR		
55	Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.	Complied Unit has provided Acoustic enclosure to DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.

		 .
56	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	Complied. Unit has provided adequate stack height around 33 meter DG stack and scrubber around 11 meter for flue gas/ process gas emission.
57	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.	Complied Unit has an adequate scrubber as APCM with the process gas generation sources. Monthly Monitoring are carried out by an approved NABL / GPCB/MOEF&CC authorized party All parameters well within the limit. Report attached in **Annexure-V**.
58	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied
B.2.3 HAZARDOUS/SOLID WASTE		
59	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/ disposal of hazardous wastes.	Complied Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/Labeling-Form 8/ TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc. same as attached as Annexure-XIII.

60	Hazardous waste shall be dried, packed and stored in a separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied Unit has provided a hazardous waste storage area with a pucca bottom and leachate collection facility.  Photograph of Hazardous waste storage area
61	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	Complied Unit has obtained membership - BEIL, SEPL for TSDF site and CHWIF.
62	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988 and rules made there under.	Complied Unit is ensuring to deploy trucks/Tankers as per the provisions under the Motor Vehicle Act, 1988 and rules made there under for the transportation of hazardous waste. Unit is Following the AIS 140 based GPS tracking System for all the Hazardous Waste Vehicle.
63	The design of the Trucks/ tankers shall be such that there is no spillage during transportation.	Complied Unit is ensuring to deploy trucks/Tankers suitable for hazardous waste so that there will not be any leakage / spillage during transportation.
64	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied Unit is putting all efforts to pre-treat / process the hazardous waste before disposal to TSDF / CHWIF.
65	Management of fly ash (If any) shall be as per the Fly Ash Notification 2009 & its amendment time to time and it shall be ensures that there is 100% utilization of fly ash to be generated from the unit.	Complied Fly ash is not being generated from the unit.
B.2.4 SAFETY		
66	The occupier/ manager shall strictly comply with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.	Complied The occupier has strictly complied with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.

67	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for Handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosive and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.	Complied The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989. PESO Certificate attached in **Annexure-VI** On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and same has been attached in **ANNEXURE-XVI**
68	Main entry and exit shall be separate and clearly marked in the facility.	Complied Main entry & Exit were separated and have been constructed marked clearly. Photographs of Entry  Photograph of Exit 
69	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Complied Sufficient peripheral open passage is provided in the margin area for free movement of fire tender/ emergency vehicle around the premises.
70	Storage of flammable chemicals shall be sufficiently away from the production area.	Complied

		Unit has been constructed as per prevailing rules of government authorities for storage of flammable chemicals. Photographs has been attached as below: 
71	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Complied Sufficient peripheral open passage is provided in the margin area for free movement of fire tender/ emergency vehicle around the premises.
72	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals.	Complied Unit is ensuring to take necessary precautions as per the prevailing rules of government authorities for storage and handling of toxic and hazardous chemicals.
73	All the toxic/ hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	Complied Unit will ensure to maintain optimum quantities of toxic / hazardous chemicals. All necessary permissions are obtained in this regard before commencing the expansion activities.
74	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report.	Complied The unit has adhered to the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report. The letter submitted to DISH for Risk Assessment Report, Safety Audit Report, QRA study. The same has been attached in **Annexure-VII** The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. **Annexure-VIII**
75	Only flameproof electrical fittings shall be provided in the plant premises.	Complied Unit has installed flameproof electrical fittings in the plant premises.
76	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/ containers instead of on single large capacity tank/ containers.	Complied Unit has restricted the use of single large capacity tanks/ containers and 1 number of tanks are installed for the RM and pure product storage in the Tank farm area.
77	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/ dyke walls shall be provided for storage tanks for hazardous Chemicals.	Complied Unit has installed necessary engineering controls to avoid leakages and hazardous chemical storage tanks have been installed inside a Bund/ dyke wall.

		Photograph is attached as below: 
78	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer to that minimal human exposure occurs.	Unit has taken all necessary measures to minimize the human exposure to hazardous chemicals by closed loop pumping / vacuum transfer.
79	Tie up shall be done with nearby health care unit/ doctor for seeking immediate medical attention in the case of emergency.	Complied Unit has tied up with nearby health care units/ doctors for seeking immediate medical attention in the case of emergency. The same has been attached in **Annexure-IX**
80	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Complied Unit has maintained around 50 types of Personal Protective Equipment (PPEs) and provided the same to workers. Unit has encouraged and ensured that PPE's are used by workers as per the requirement for a particular job role. PPEs- Helmet, Goggles, Safety Shoes, Full body safety suit, Double anchored safety harness, Cartridge mask, antistatic hand gloves, bubble hood etc.
81	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied 14 Numbers of First Aid Box are available and required Antidotes (Methylene Blue, Dipotherene, etc) for the chemicals used in the unit are available in OHC at site. 

82	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	Complied Training is given to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees are done on a regular basis. Training to all employees on handling chemicals is imparted regularly.
83	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	Complied Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act. Sample copy of same is attached here with Annuxure -X Following check up has been carried out in periodical medical checkup. - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers
84	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.	Complied We ensure that the transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act and Rules.
85	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report.
86	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Complied Necessary permission has been taken from PESO.
B.2.5 NOISE		
87	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	Complied The Unit has taken necessary noise control measures by providing engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. Unit is monitoring noise level month wise in the operation phase. Report of Noise monitoring is attached in **Annexure-V**.

Details of Noise Monitoring
All the parameters under prescribed limit

Location	GPCB Limit		Month											
			Apr'25		May'25		Jun'25		Jul'25		Aug'25		Sep'25	
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
			Noise Level dB (A)											
Near ETP area	75 dB (A) 70 dB (A)		69.5	60.8	68.5	55.3	69.8	57.9	67.8	62.3	68.2	61.3	70.1	64.2
Near D.G. Set			73.2	69.3	70.6	52.1	71.3	56.4	72.4	58.8	71.6	59.6	72.2	66.4
Near Main Gate			67.8	59.5	62.4	48.3	65.7	50.6	69.2	54.5	68.7	55.1	64.5	58.2
Near DCA Plant			66.7	64.7	66.2	58.5	67.4	60.7	66.7	61.2	65.3	60.7	66.4	61.3
Near Material Gate			70.4	63.4	61.5	49.2	63.6	51.3	65.6	55.4	64.8	56.4	63.4	57.2

All the parameters under prescribed limit

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION		
88	The unit shall undertake the Cleaner Production Assessment study through a reputed institute /organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	Complied Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat Approved by AICTE, New Delhi & Affiliated to GTU, Ahmedabad. Cleaner Production Assessment study report is attached as an Annexure-XI
89	The company shall undertake various waste minimization measures such as: Metering and control of quantities of active ingredient to minimize waste	Complied The Unit has implemented waste minimization measures as mentioned below but not limiting to: Unit has taken all the possible action for the control of quantities of active ingredients to minimize waste.

	. Reuse of by-products from the process as raw materials or as raw materials substitutes. Use of automated and close filling to minimize spillages. Use of a close feed system into batch reactors. Venting equipment through vapour recovery system. Use of high pressure hoses for clearing to reduce wastewater generation. Recycling of washes to subsequent batches. Recycling of steam condensate. Sweeping/ mopping of floor instead of floor washing to avoid effluent generation. Regular preventive maintenance for avoiding leakages, spillages etc.	Unit has taken all the possible action for reuse of by-products from the process as raw materials or as raw materials substitutes. Unit has installed automated and close filling to minimize spillages. Closed feed system into batch reactors is in practice. Venting equipment through a vapour recovery system is in practice. Unit uses high pressure hoses for clearing to reduce wastewater generation. Unit is doing Recycling of washes to subsequent batches. Unit is recycling steam condensate. Unit is doing Sweeping/mopping the floor instead of floor washing to avoid effluent generation. Unit has done Regular preventive maintenance for avoiding leakages, spillages etc.
B.2.7 GREEN BELT AND OTHER PLANTATION		

90	The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate lane is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC/ GPCB and submit an action plan of plantation for next three years to the GPCB.	Complied The greenbelt has been developed and maintained by the unit regularly. Total area of plot :- 54803.04 m2 Greenbelt within Plant Premises :- 10367.85 m2 , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2 Green Belt at Luvara Village:- 5700 m2 Total Green Belt :- 18188.69 m2 photographs for the same attached as below: 
91	Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	Complied Unit has provided a low-angle sprinkler system for the green belt development within the premises. Photo of Drip Irrigation system is attached as below:

		
B.3 OTHER CONDITION		
92	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	Noted & Complied Rain water harvesting tank with the capacity of 50 KL is provided for the Storage of RainWater for using the collected water during the monsoon.
93	The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt./GIDC.	Complied The unit will participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or SEZ / GIDC or GPCB or any such authority created for this purpose by the Govt.
94	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.	Complied Solar energy had been incorporated for illumination of common areas, lighting etc.

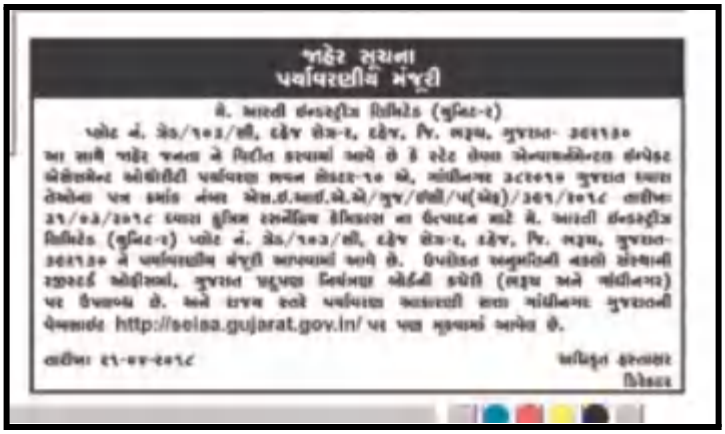
		
95	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Complied The unit ensures that earmarked green belt area will not be utilised for any other purposes. It is used only for green belt development. Total area of plot :- 54803.04 m2 Greenbelt within Plant Premises :- 10367.85 m2 , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2 Green Belt at Luvara Village:- 5700 m2 Total Green Belt :- 18188.69 m2
96	All the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Complied Unit has strictly adhered to the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management.
97	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	Complied We will comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
98	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Complied In the event of failure of any pollution control system, the unit will be safely closed down and will not be restarted until the desired efficiency of the control equipment has been achieved. The plant is controlled by DCS system.
99	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	Complied The unit is strictly adhering to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.

100	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Complied 1. Unit has ensured no spillages during material transfer and garland drains have been constructed to avoid mixing of accidental spillages with domestic wastewater or stormwater. 2. For transfer of material to a tanker or tanker to a tank, a dyke wall has been made to prevent spillage and mixing with domestic & stormwater. 3. For the transfer of effluent to ETP, dedicated pits with automated pumps are present to prevent overflow. photos of garland tank, dyke wall, dedicated pits with automated pumps  

101	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Complied Pucca flooring has been provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.Regarding photographs are attached below:  
102	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Complied Unit has ensured to not take up any further expansion or modifications in the plant likely to cause environmental impacts without obtaining prior Environment Clearance from the concerned authority. EC expansion has been received on vide number SEIAA/GUJ/EC/5(f)/192 dated 14.02.2023. attached as an Annexure-XI.
103	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted. We will implement and follow all the rules and regulations under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

<table>
<tr><td>104</td><td>The project proponent shall comply with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time in a letter and spirit.</td><td>Complied
The project proponent has complied with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time. The CER/CSR activities list have been attached herewith

<table><tr><th>Activity</th><th>Sector</th><th>Amount (Rs)</th></tr><tr><td>Android TV girls hostel</td><td>Education</td><td>40,000</td></tr><tr><td>Tree plantation (1000 trees) sadbhavna rudra ashram</td><td>Environment</td><td>15,000,00</td></tr><tr><td>Solar Light Installation of 50</td><td>Village Infra Development</td><td>9,00,000</td></tr><tr><td></td><td>Total</td><td>24,40,000</td></tr></table></td></tr>
<tr><td>105</td><td>The project management shall ensure that the unit complies with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.</td><td>Complied.
Unit has complied with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report. The same has been attached in Annuxure-XV.</td></tr>
<tr><td>106</td><td>The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.</td><td>Complied
The Unit has provided adequate funds and has not diverted the funds provided to implement the conditions stipulated by SEIAA as well as GPCB.
The unit has allocated funds towards expenses of operation for waste water treatment plant, environmental monitoring, auditing and Hazardous waste disposal.</td></tr>
<tr><td>107</td><td>The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy of each of the same shall be forwarded to the concerned Regional Office of the Ministry.</td><td>Complied
The advertisement regarding the environmental clearance was given in the local newspapers and the copy of the same was submitted to the concerned regional office.</td></tr>
</table>

		 જાહેર સૂચના પર્યાવરણીય મંજૂરી મે. આરતી ઇન્ડસ્ટ્રીઝ લિમિટેડ (યુનિટ-૨) પ્લોટ નં. ઝેડ/૧૦૩/સી, દહેજ સેઝ-૨, દહેજ, જિ. ભરૂચ, ગુજરાત- ૩૯૨૧૩૦ આ સાથે જાહેર જનતા ને વિદિત કરવામાં આવે છે કે સ્ટેટ લેવલ એન્વાયર્નમેન્ટલ ઇમ્પેક્ટ એસેસમેન્ટ ઓથોરીટી પર્યાવરણ ભવન સેક્ટર-૧૦ એ, ગાંધીનગર ૩૮૨૦૧૦ ગુજરાત દ્વારા તેમનો પત્ર ક્રમાંક નંબર એસ.ઈ.આઈ.એ.એ/ગુજ/ઈસી/૫(એફ)/૩૯૧/૨૦૧૮ તારીખ ૩૧/૦૩/૨૦૧૮ દ્વારા કુત્રિમ રસાયણિક કેમિકલ્સ ના ઉત્પાદન માટે મે. આરતી ઇન્ડસ્ટ્રીઝ લિમિટેડ (યુનિટ-૨) પ્લોટ નં. ઝેડ/૧૦૩/સી, દહેજ સેઝ-૨, દહેજ, જિ. ભરૂચ, ગુજરાત- ૩૯૨૧૩૦ ને પર્યાવરણીય મંજૂરી આપવામાં આવે છે. ઉપરોક્ત મંજૂરીની નકલો રાજ્યના રાજ્યકક્ષ બોર્ડીઓ, ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડની કચેરી (ભરૂચ અને ગાંધીનગર) પર ઉપલબ્ધ છે. અને રાજ્ય સ્તરે પર્યાવરણ આકારણી સત્તા ગાંધીનગર ગુજરાતની વેબસાઈટ http://seiaa.gujarat.gov.in/ પર પણ મુકવામાં આવેલ છે. તારીખ: ૨૧-૦૪-૨૦૧૮ અધિકૃત હસ્તાક્ષર ડિરેક્ટર  PUBLIC NOTICE ENVIRONMENTAL CLEARANCE M/s. Aarti Industries Limited (Unit-II) Plot No. Z/103/C Dahej SEZ-II, Dahej, Dist: Bharuch, Gujarat. 392130 It is hereby informed that the State level Environment Impact Assessment Authority, Gandhinagar, Gujarat has accorded the Environment Clearance for setting up of the proposed manufacturing of Synthetic Organic Chemicals by M/s. Aarti Industries Limited (Unit-II) at Plot No. Z/103/C, Dahej SEZ-II, Dahej, Bharuch Gujarat- vide File no: SEIAA/GUJ/EC/5(f)/391/2018 dated 31st March, 2018, A copy of the clearance letter is placed at office of Gujarat Pollution Control Board (Bharuch & Gandhinagar) and may also be seen at website of State level Environment Impact Assessment Authority, Gandhinagar, Gujarat at http://seiaa.gujarat.gov.in/ Date: 21-04-2018 sd/- Director
108	It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.	Complied The last compliance report was submitted on 25.05.2025 for the period of October-2024 to March-2025 to SPCB & MoEF&CC. A copy of the same is attached herewith as **Annexure-XII.**
109	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.

110	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied Unit will strictly adhere to the stipulations made by the Gujarat Pollution Control Board.
111	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
112	The company in a time bound manner shall implement these conditions. The SIEAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted.
113	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted.
114	This environmental clearance is valid for seven years from the date of issue.	Noted.
115	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
116	Submission of any false or misleading information or data which is material to screening of scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted.

BEIL INFRASTRUCTURE LIMITED
(Formerly Known As Bharuch Enviro Infrastructure Limited)

Ref. BEIL/ANK/2024

23RD MARCH, 2024

To,
AARTI INDUSTRIES LTD. (DIAMOND DIVISION - 58381)
PLOT NO. Z/103/C,
DAHEJ SEZ II,
TA-VAGRA, DIST-BHARUCH.

Sub: Membership Certificate for Common Solid Waste Disposal Facility.

Dear Sir,

We hereby certify that you have become member for **5 years up to 22/03/2029** for the common Solid/Hazardous waste disposal facility of BEIL Infrastructure Limited. (Formerly Known as Bharuch Enviro Infrastructure Limited.)., at GIDC, Dahej. You have booked solid waste quantity of **8176 MT/Years.** Your Membership No. is **OTH/841.**

Waste will be accepted after submitting valid authorization of GPCB.

1) Total TSDF Capacity of BEIL Dahej: 1900000 MT
2) Total Consented Capacity: 1900000 MT
3) Total Occupied Capacity: 1376628.989 MT
4) Spare Capacity: 0523371.011 MT

Thanking you,

Yours faithfully,
For BEIL Infrastructure Limited.
(Formerly Known as Bharuch Enviro Infrastructure Limited.)

Mr. Manoj Patel
(Vice President - Operations)

Membership Certificate Details

RSPL
Recycling Solutions Pvt. Ltd.

Certificate

To whomsoever it may concern

This is to certify that

Certificate No : 4100009271

AARTI INDUSTRIES LTD UNIT 2

PLOT NO Z/103/C
DAHEJ SEZ II, LAKHIGAM. TAL-VAGRA BHARUCH
DAHEJ
Gujarat

is a valid member of

Recycling Solutions Private Limited Unit-II

for Alternate Fuel Resource Facility.

This membership is valid for a period of
10 Years

Date of issue : 02.06.2020
Date of expiration : 01.06.2030
Place of issue : SURAT

For, Recycling Solutions Private Limited Unit-II

Director/Authorised signatory

Waste Information

SrNo	Type Of Waste	Sign Qty(TPA)	SrNo	Type Of Waste	Sign Qty(TPA)
1	DISTILLATION RESIDUE.	4,200.000			0.000
				Total Sign Qty (TPA)	4,200.000

SUBJECT TO JURISDICTION

BEIL INFRASTRUCTURE LIMITED
(Formely Known As Bharuch Enviro Infrastructure Limited)

04th SEPTEMBER, 2020

To,
AARTI INDUSTRIES LTD. (DAHEJ UNIT II)
PLOT NO.Z/103/C,
DAHEJ SEZ II,
TA-VAGRA, DIST-BHARUCH.

Sub: Membership Certificate for Common Incineration Facility

Dear Sir,

You are a member of our Common Incinerator Facility and your membership No. is **CI/BD/97**. We hereby certify that your booked quantity has increased from **10 MT/Year** to **60 MT/Year**.

Thanking you,

Yours faithfully,
For, BEIL Infrastructure Limited
(Formerly Known as Bharuch Enviro Infrastructure Ltd)

AUTHORISED SIGNATORY

CIN No.: U45300GJ1997PLC032696
Regd. Office : Plot No. 9701-16 GIDC Estate, Post Box No. 82, Ankleshwar 393 002, Dist. : Bharuch (Gujarat)
Phones (02646) 253135, 225228 • Fax : (02646) 222849 • E-mail : dalwadibd@beil.co.in

RSPL
Recycling Solutions Pvt. Ltd.

To,

AARTI INDUSTRIES LTD UNIT-2

PLOT NO Z/103/C,

DAHEJ SEZ II, LAKHIGAM.

TAL-VAGRA BHARUCH-392130,

GUJARAT, INDIA

Date: 16.02.2024

Sub. : Waste acceptance at Waste Co- Processing Facility (Alternate Fuel Resource Facility).

Dear Sir,

We would like to inform you that we can accept your hazardous waste i.e. Liquid, Solid or Semi-solid at our Waste Co- Processing Facility (AFRF) RSPL unit at Panoli basis on actual waste samples analysis, the list of the waste is as per below.

Sr. no.	Type/ Name of Hazardous waste	Schedule cat.	Quantity (MT/ Annum)
1	Distillation Residue	26.1	10120

However, our acceptance is subjected to a quick check analysis prior to the actual receipt of waste and completion of membership process.

We assure you that we work in most economical way, as per the legal requirement and in an environmentally suitable manner.

RSPL , Panoli Total Waste Mix Pre-Processing capacity : 390 MT/Day

Please feel free to call undersigned or write us at marketing@rs-pl.com for any Query or clarification.

Thanking You.

Yours Faithfully,

For **Recycling Solutions Pvt. Ltd**

Authorized Signatory

2.0 STACK MONITORING REPORT

Period: September- 2025.

FOR

M/s. Aarti Industries Limited (Unit – 2).
(Diamond SEZ Unit)

At

Plot No. Z/103/C, Dahej SEZ Part-II,
Dahej-392 130, Tal. Vagara,
Dist. Bharuch, Gujarat, India.

Monitoring Organization

UniStar
Environment and Research Labs Pvt. Ltd.

Plot No.51, Vibrant Business Park,
NH No. 48, GIDC, Vapi – 396 195.
Dist-Valsad (Gujarat), India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-001	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-001	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/001	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/001
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/2025
Stack Sampling Attached to	**D.G. Set - 1 (2000 KVA)**		
Fuel Used	**Diesel**		
Air Pollution Control Device	--		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL-D/AIR/SMK/01**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**126 DTG 2018**
Calibration Date	**09/06/2025**	Next Calibration Due On	**08/06/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m^2	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.5
7.	Exit Gas Flow	Nm^3/h	244.0

➢ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			**NAME OF GROUP – ATMOSPHERIC POLLUTION**		
Sr. No.	**Test Parameter**	**Unit of Measurement**	**Result**	**GPCB Limits**	**Test Method**
1.	Particulate Matter (PM)	mg/Nm^3	74	**150**	IS 11255(Part 1)
2.	Sulphur Dioxide (SO_2)	ppm	21	**100**	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO_X)	ppm	38	**50**	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

****** End of Report *******

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

Note: This report is subject to Terms and Conditions mentioned overleaf.

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-002	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-002	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/002	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/002
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/2025
Stack Sampling Attached to	**D.G. Set - 2 (2000 KVA)**		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL-D/AIR/SMK/01**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**126 DTG 2018**
Calibration Date	**09/06/2025**	Next Calibration Due On	**08/06/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m^2	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm^3/h	236.7

➢ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			**NAME OF GROUP – ATMOSPHERIC POLLUTION**		
Sr. No.	**Test Parameter**	**Unit of Measurement**	**Result**	**GPCB Limits**	**Test Method**
1.	Particulate Matter (PM)	mg/Nm^3	70	**150**	IS 11255(Part 1)
2.	Sulphur Dioxide (SO_2)	ppm	18	**100**	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO_X)	ppm	35	**50**	IS 11255(Part 7)
4.	TVOCs	ppm	3.1	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-003	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-003	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/003	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/003
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/025
Stack Sampling Attached to	**D.G. Set - 3 (2000 KVA)**		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL-D/AIR/SMK/01**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**126 DTG 2018**
Calibration Date	**09/06/2025**	Next Calibration Due On	**08/06/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m^2	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm^3/h	238.6

➢ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			**NAME OF GROUP – ATMOSPHERIC POLLUTION**		
Sr. No.	**Test Parameter**	**Unit of Measurement**	**Result**	**GPCB Limits**	**Test Method**
1.	Particulate Matter (PM)	mg/Nm^3	73	**150**	IS 11255(Part 1)
2.	Sulphur Dioxide (SO_2)	ppm	20	**100**	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO_X)	ppm	37	**50**	IS 11255(Part 7)
4.	TVOCs	ppm	3.0	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-004	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-004	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/004	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/004
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant & Scrubber Connected to NSA. (S-1)**		
Air Pollution Control Devise	Alkali Scrubber		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	55

➢ **Test Parameter Results**

Sr. N No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO_2)	mg/Nm^3	350.5	**1250**	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO_3)	mg/Nm^3	20.4	**70**	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

******** End of Report *********

Checked By:
Ankur R. Patel
(Supervisor)

Authorized By:
Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-005	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-005	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-2/06/005	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/005
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/2025
Stack Sampling Attached to	**Scrubber Connected to DCP. (S-2)**		
Air Pollution Control Devise	Alkali Scrubber		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL-D/AIR/SMK/01**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**126 DTG 2018**
Calibration Date	**09/06/2025**	Next Calibration Due On	**08/06/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	50

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm^3	22.2	**25**	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-006	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-006	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/006	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/006
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**Scrubber Connected to The Tanks (Tank Farm 1) (S-3)**		
Air Pollution Control Device	**Alkali Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	48

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL(MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

Plot No.51, Vibrant Business Park,
NH No. 48, GIDC, Vapi – 396 195.
Dist-Valsad (Gujarat), India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-007	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-007	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/007	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/007
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**Scrubber Connected to The Tanks (Tank Farm 2) (S-4)**		
Air Pollution Control Device	**Alkali Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	40

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL(MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
3) **: Limit Not Define in GPCB CC&A.

****** End of Report *******

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

Plot No.51, Vibrant Business Park,
NH No. 48, GIDC, Vapi – 396 195.
Dist-Valsad (Gujarat), India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-008	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-008	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/008	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/008
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**Common Alkali Scrubber Connected to SO2 Tank Farm. (S-5)**		
Air Pollution Control Devise	**Alkali Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	51

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO_2)	mg/Nm^3	15.5	**40**	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

Plot No.51, Vibrant Business Park,
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TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-009	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-009	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/009	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/009
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**DCA Plant Vacuum Pump Storage Tank. (S-6)**		
Air Pollution Control Devise	**Water Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	42

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	TVOCs	ppm	BDL(MDL:0.1)	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

UniStar
Environment and Research Labs Pvt. Ltd.

Plot No.51, Vibrant Business Park,
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MoEF&CC Recog. Environmental Laboratory under The EPA, 1986 (02.04.2025 to 29.03.2028) | NABL (ISO/IEC 17025:2017) Accredited Testing Laboratory (TC-15345) (22.01.2025 to 22.09.2026) | QCI-NABET Accredited EIA & GW Consultant Organization | GPCB Recognized Environmental Auditor (Sch-II) | ISO 9001 : 2015 Certified Company | ISO 45001 : 2018 Certified OHS Management System

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-010	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-010	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/010	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/010
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/2025
Stack Sampling Attached to	**HNO3 Tank. (S-7)**		
Air Pollution Control Devise	**3 Stage Lime Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL-D/AIR/SMK/01**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**126 DTG 2018**
Calibration Date	**09/06/2025**	Next Calibration Due On	**08/06/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	^{o}C	32
3.	Flue Gas Temperature	^{o}C	45

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm^3	11.3	**25**	IS: 11255 (Part 7): 2005 RA.2017

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

 Note: This report is subject to Terms and Conditions mentioned overleaf. **UERL/AIR/F-04/04**

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TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-011	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-011	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/011	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/011
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**Liquid SO3 & Oleum Tank. (S-8)**		
Air Pollution Control Devise	**Acid Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	42

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO_2)	mg/Nm^3	30.4	**40**	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-012	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-012	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/012	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/012
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	15/09/2025
Stack Sampling Attached to	**SAC And TAR Plant. (S-9)**		
Air Pollution Control Devise	**Alkali Spray Scrubber**		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	45

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO_2)	mg/Nm^3	14.5	**40**	IS 11255 (Part 2)
2.	VOCs	ppm	2.3	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
3) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-013	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-013	**Service Request Date**	16/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/013	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/013
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	16/09/2025	Date of Testing	17/09/2025
Stack Sampling Attached to	**DCP Plant: DCA Sulphate Vent. (S-10)**		
Air Pollution Control Devise	Venturi Water Scrubber		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	35

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO_2)	mg/Nm^3	15.5	**40**	IS 11255 (Part 2)
2.	VOCs	Ppm	2.2	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
3) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/09/AIL-2/S-014	**Report Issue Date**	04/10/2025
Service Request form No.	UERL/AIR/D/SRF/09/S-014	**Service Request Date**	17/09/2025
Sample ID No.	UERL/AIR/D/ID/S-25/09/014	**Field Data Sheet No.**	UERL/AIR/D/FDS/S-25/09/015
Name & Address of Customer	**M/s. AARTI INDUSRIES LTD. (DIAMOND SEZ UNIT)** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/09/2025	Date of Testing	18/09/2025
Stack Sampling Attached to	**DCP Drum Filling Scrubber. (S-11)**		
Air Pollution Control Devise	Alkali Scrubber		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No	**UERL-D/AIR/HDS/01**		
Instrument Name	**Handy Sampler**	Serial Number	**91-I-19**
Calibration Date	**01/02/2025**	Next Calibration Due on	**31/01/2026**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	52

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	**ppm**	BDL(MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
3) ** Limit Not Define by in GPCB CC&A.

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.
Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
CIN: U73100GJ2007PTC051463

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-001

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - ETP Plant.

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. **2) Product:** Treated Effluent.

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025.

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	**Total Dust (mg/m^3)**	Handy Sampler	01	0.085	0.085	10 mg/m^3	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-002

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst **2) Product**- 2,5 Di Chloro Aniline

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025**.**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCA Plant (Ground Floor)	**TVOC'S (ppm)**	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	23	All Process Activities are running.	J. J. Lad	JITEN LAD
2	DCA Plant (1st Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**					
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**					

** Limit has not been defined as per factory act

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-003

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid, **2) Product**- Dichloro Phenol.

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025.

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (Ground Floor)	**TVOC'S (ppm)**	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	All Process Activities are running.	J. J. Lad	JITEN LAD
2	DCP Plant (1st Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**					
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**					

** Limit has not been defined as per factory act.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-004

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst., **2) Product**- 2,5 Di Chloro Aniline.

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025.

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCA Plant: 2nd Floor (MIC Top Collection Vessel) (2-V-0207)	**Methanol (ppm)**	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**200 ppm**	GC Method	23	All Process Activities are running.	J. J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-005

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid., **2) Product**- Dichloro Phenol.

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025.

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1st Floor) (3P0117-A)	**Phenol (ppm)**	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**5 ppm**	GC Method	04	All Process Activities are running.	J. J. Lad	JITEN LAD
2		**Sulphuric Acid (mg/m^3)**		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**1 mg/m^3**	EPA Method				
3		**Sulphur Dioxide (mg/m^3)**		01	0.085	0.085	**5 mg/m^3**	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/25/09/WAM-AIL-U2-006

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - ETP Plant.

Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. **2) Product:** Treated Effluent.

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 16/09/2025.

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	**Xylene-O (ppm)**	Handy Sampler	01	2.5	2.5	**100 ppm**	GC Method	15	All Process Activities are running.	J. J. Lad	**JITEN LAD**

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

3.0 NOISE LEVEL MONITORING REPORT

Period: September- 2025.

FOR

M/s. Aarti Industries Limited (Unit – 2).
(Diamond SEZ Unit)

At

Plot No. Z/103/C, Dahej SEZ Part-II,
Dahej-392 130, Tal. Vagara,
Dist. Bharuch, Gujarat, India.

Monitoring Organization

UniStar
Environment and Research Labs Pvt. Ltd.

Plot No.51, Vibrant Business Park,
NH No. 48, GIDC, Vapi – 396 195.
Dist-Valsad (Gujarat), India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/25/09/AIL-2/N-001	Date of Report:	04/10/2025
Name & Address of Industries	**M/s Aarti Industries Ltd (Diamond SEZ Unit).** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	**Ambient Noise**		
Sampling Method	**IS: 9989 : 1981.**		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	01/02/2025	31/01/2026

Date of Monitoring: 16/09/2025

DISCIPLINE – CHEMICAL TESTING		**NAME OF GROUP – ATMOSPHERIC POLLUTION**			
Sr. No.	**Location**	**Noise Level dB(A)**			
		Day Time	**Night Time**	**Permissible Limit CPCB**	
				Day Time	**Night Time**
1.	**Near ETP Area**	70.1	64.2	**75 dB (A)**	**70 dB (A)**
2.	**New D.G. Set**	72.2	66.4	**75 dB (A)**	**70 dB (A)**
3.	**Near Main Gate**	64.5	58.2	**75 dB (A)**	**70 dB (A)**
4.	**Near DCA Plant**	66.4	61.3	**75 dB (A)**	**70 dB (A)**
5.	**Near Material Gate**	63.4	57.2	**75 dB (A)**	**70 dB (A)**

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	**Category of Area/Zone**	**Limit in dB (A) Leq**	
		Day Time (6:00 am to 10:00 pm)	**Night Time (10:00 pm to 6:00 am)**
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

******** End of Report *********

Checked By:

Ankur R. Patel
(Supervisor)

Authorized By:

Jaivik S. Tandel
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.
Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
CIN: U73100GJ2007PTC051463

AARTI INDUSTRIES®

Ref: AIL/DHJ/DIA/25-26/ENV/003
Date: 09/05/2025 **ID: 58381**

To,
Unit Head - Bharuch
Gujarat Pollution Control Board
Paryavaran Bhavan,Sector – 10 / A
Gandhinagar – 382 043

Subject : Submission of Annual Return Form-3 & Form-4 under Hazardous Waste Rule, 2016 for Apr-2024-Mar 2025.

Reference : The Hazardous And other Wastes (Management & Transboundary Movement) Rules 2016 & amended thereafter.

Respected Sir,

With reference to the above mentioned subject, please find herewith the Annual Return (form IV) for the period April - 2024 to March - 2025 in Form-3 and Form - 4 for M/s. Aarti Industries Limited (Unit-II) located at Plot No. Z/103/C Dahej SEZ-II, Dahej, Dist.: Bharuch, Gujarat-392130.

We hope that the above is in order.

Thanking you

Yours faithfully

For, Aarti Industries Limited (Unit-2)

Authorized Signatory

Encl : as above

Post Received
Gujarat Pollution Control Board
BHARUCH

CC: 1. The Regional Officer Bharuch
C-1/119/3, GIDC Phase II, Narmadanagar, Bharuch - 392015

2. The Unit Head - Hazardous Waste Cell, Gujarat Pollution Control Board
Paryavaran Bhavan,Sector – 10 / A, Gandhinagar – 382 043

FORM - 3

[See rules 6(5), 13(7), 14(6), 16(5) and 20 (1)]

FORMAT FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTE BY THE OCCUPIER OR OPERATOR OF A FACILITY

1. Name and address of the facility :**Aarti Industries Limited**
   Plot No. Z/103/C Dahej, SEZ-II
   Tal. Vagra, Bharuch-392130

2. Authorization No & Issue Date **CCA AWH-108072 dated 25/09/2020, Valid Upto 19/02/2025**
   CCA Amendment AWH-113931 dated 23/09/2021,
   CCA Amendment AWH-113932 dated 11/10/2021
   CCA Amendment AWH-123267 dated 04/07/2023
   CCA Amendment AWH- 305118 dated 09/09/2024
   CCA Renewal Applied vide inward ID - 327471 dated 05/02/2025

3. Description of Hazardous Waste handled (From 1st April 2024 to 31st March 2025):

4. Date wise description of management of hazardous and other wastes including products sent and to whom in case of recyclers or preprocessor or utiliser:

Waste Type	Category	Opening balance Quantity	Waste Generation Quantity	Dispatched Quantity	Quantity in storage at year end 31/03/2025	Method of Storage	Disposal Method	Description of Management of Hazardous Waste
		MT						
Distillation Residue	**26.1**	46.75	342.503	321.31	67.943	Impervious Storage & under shed	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF.	April 2024 to March 2025 Please Refer Annexure-1 for Month wise disposal and Management
ETP Waste	**35.3**	0.53	282.53	236.74	46.32	Impervious Storage & under shed	Collection, Storage, Transportation, disposal to TSDF/ Pre-Processing/ Co-processing	
Sulphur Sludge	**B2040**	0	0	0	0	Drums, Impervious Storage & under shed	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF	

Used Oil	**5.1**	0.8	0.3	0.83	0.27	Impervious Storage & under shed	Collection, Storage, Transportation, Disposal by send to authorized re-processors/recyclers	
Insulation Waste	**33.1**	1.34	8.55	9.76	0.13	Impervious Storage & under shed	Collection, Storage, Transportation disposal by at TSDF Site	
NRP/PPEs waste/bags/ Cotton Waste	**33.1**	2.77	11.8	9.76	4.81	Impervious Storage & under shed	Collection, Storage, Transportation and send to common TSDF Site, Co-processing/Pre Processing	
Discarded Containers or Bags	**33.1**	0.12	5.825	5.29	0.655	Impervious Storage & under shed	Collection, Storage, Decontamination, Disposal by sold to reprocessor/ Contaminated containers/bags to authorized recyclers/ decontamination facility / Pre-processing/ Co-processing	
Spent Carbon	**36.2**	0	150.99	110.04	40.95	Liner Bags, Impervious Storage & under shed	Collection, Storage, transportation and send to cement industry for co-processing/Pre Processing/CHWIF	
Spent Catalyst	**B1150 /26.5**	0	1.692	1.692	0	Impervious Storage & under shed	Collection, Storage, Transportation and Disposal to authourised regenerator having rule 9 permission and valid CCA after making MoU	
MEE Salt	**35.3**	13.9	71.9	84.53	1.27	Impervious Storage & under shed	Collection, Storage, Transportation disposal by at TSDF Site.	
Spent sulphuric acid	**26.3 & B-15**	0	0	0	0	Impervious Storage & under shed	Collection storage reuse in plant premises or transportation & send to actual end users having permission rule 9 & valid CCA after making MoU.	

Spent Sulphuric acid (Generate from Dye & Dyes intermediate industries)	**26.3 of SCH -I & B-15 in the foot note of SCH-II**	0	0	0	0	Impervious Storage & under shed	Reception, Storage and use as raw material in Dye & Dye intermediate products name 2,5 DCP & its crude & 2,3 DCP & its crude.	
Spent Resin	**35.2**	0	0	0	0	Impervious Storage & under shed	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF	
Ro membrane / Cartridge filter	**36.2**	0	0	0	0	Impervious Storage & under shed	Collection, Storage, Transportation disposal by at TSDF Site	
Filter cloths	**36.2**	0	0	0	0	Impervious Storage & under shed	Collection storage Transportation and send to CHWIF for incineration OR send to common TSDF site.	
Cotton waste	**33.2**	0	0	0	0	Impervious Storage & under shed	Collection storage Transportation and send to CHWIF for incineration OR send to common TSDF site.	
Glass waste	**S7**	0	0	0	0	Impervious Storage & under shed	Collection storage Transportation and sent to Common TSDF Site or sold to scrap processors.	
PPE waste	**33.2**	0	0	0	0	Impervious Storage & under shed	Collection storage Transportation and send to CHWIF for incineration OR send to common TSDF site.	

Spent Nitrosyl Sulphuric acid (Generated from dyes & dyes intermediate industries)	**26.3 of SCH-I & B15 in the foot note of SCH-II**	0	0	0	0	Impervious Storage & under shed	Reception, Storage and use as raw material in Dye & Dye intermediate products name 2,5 DCP & its crude & 2,3 DCP & its crude	
Battery waste	**SCH-I V-17**	0	5.41	5.41	0	Impervious Storage & under shed	Collection, Storage, Transportation, Disposal by send to authorized re-processors/recyclers	

5. Date of environmental monitoring (as per authorisation or guidelines of Central Pollution Control Board):

Ambient Air Monitoring	: Weekly twice
VOC Monitoring	: Daily
Stack Analysis	: Monthly
Ground Water Analysis	: NA
Soil Analysis	: Annually
Effluent	: Regular monitoring (OCEMS Connected with GPCB/CPCB Server)
Workplace Monitoring (Form 37)	: Monthly
Noise Monitoring	: Monthly

Signature of Occupier

Date : 09/05/2025

Place : Dahej, SEZ-II

FORM 4

[See rules 6(5), 13(8), 16(6) and 20 (2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April 2024 to March 2025]

1. Name and address of the facility : **Aarti Industries Limited**
   Plot No. Z/103/C Dahej, SEZ-II
   Tal. Vagra, Bharuch-392130

2. Authorization No & Issue Date **CCA AWH-108072 dated 25/09/2020, Valid Upto 19/02/2025**
   CCA Amendment AWH-113931 dated 23/09/2021,
   CCA Amendment AWH-113932 dated 11/10/2021
   CCA Amendment AWH-123267 dated 04/07/2023
   CCA Amendment AWH- 305118 dated 09/09/2024
   CCA Renewal Applied vide inward ID - 327471 dated 05/02/2025

3. Name of the authorized person and full address with telephone, fax number and e-mail:

   Authorized Person Details are as follows:

   Name : Mr. Charudutta Joshi
   Address : Aarti Industries Limited
   Plot No. Z/103/C Dahej, SEZ-II
   Tal. Vagra, Bharuch-392130
   E-mail : env-diamond@aarti-industries.com

4. Production during the year (product wise), wherever applicable -

   Product wise Production is as follows for period April 2024 to March 2025 :-

2, 5 DCA	: 7943.88MT
2, 5 DCP	: 1499.70 MT
NSA	: 5080.39 MT
Sulphuric Acid	: 9481.20 MT
PDCB	: 15084.61MT
ML OF PDCB	: 2125.77MT

   (Month-wise details Attached in **Annexure-I)**

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise : Details in Table Below
2. Quantity dispatched : Details in Table Below
3. Quantity utilized in-house, if any : Details in Table Below
4. Quantity in storage at the end of the year : Details in Table Below

Sr. No.	Waste Type	Category	Opening balance Quantity	Waste Generation Quantity	Dispatched Quantity	Quantity in storage at year end 31/03/2025	Disposal Method	Quantity Utilized in-house
			MT					
1	**Distillation Residue**	**26.1**	46.75	342.503	321.310	67.943	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF.	NIL
2	**ETP Waste**	**35.3**	0.53	282.530	236.74	46.320	Collection, Storage, Transportation, disposal to TSDF/ Pre-Processing/ Co-processing	NIL
3	**Sulphur Sludge**	**B2040**	0	0	0	0	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF	NIL
4	**Used Oil**	**5.1**	0.8	0.300	0.83	0.27	Collection, Storage, Transportation, Disposal by send to authorized re-processors/recyclers	NIL
5	**Insulation Waste**	**33.1**	1.34	8.550	9.76	0.13	Collection, Storage, Transportation disposal by at TSDF Site	NIL
6	**NRP/PPEs waste/bags /Cotton**	**33.1**	2.77	11.800	9.760	4.810	Collection, Storage, Transportation and send to common TSDF Site, Co-processing/Pre Processing	NIL

	Waste							
7	**Discarded Containers or Bags**	**33.1**	0.12	5.825	5.29	0.655	Collection, Storage, Decontamination, Disposal by sold to reprocessor/ Contaminated containers/bags to authorized recyclers/ decontamination facility / Pre-processing/ Co-processing	NIL
8	**Spent Carbon**	**36.2**	0.00	150.99	110.04	40.950	Collection, Storage, transportation and send to cement industry for co-processing/Pre Processing/CHWIF	NIL
9	**Spent Catalyst**	**B1150/26.5**	0	1.692	1.692	0.000	Collection, Storage, Transportation and Disposal to authourised regenerator having rule 9 permission and valid CCA after making MoU	NIL
10	**MEE Salt**	**35.3**	13.9	71.900	84.53	1.270	Collection, Storage, Transportation disposal by at TSDF Site.	NIL
11	**Spent sulphuric acid**	**26.3 & B-15**	0	0	0	0	Collection storage reuse in plant premises or transportation & send to actual end users having permission rule 9 & valid CCA after making MoU.	NIL
12	**Spent Sulphuric acid (Generate from Dye & Dyes intermediate industries)**	**26.3 of SCH -I & B-15 in the foot note of SCH-II**	0	0	0	0	Reception, Storage and use as raw material in Dye & Dye intermediate products name 2,5 DCP & its crude & 2,3 DCP & its crude.	NIL
13	**Spent Resin**	**35.2**	0	0	0	0	Collection storage Transportation & send for coprocessing to cement industry or send to preprocessing or send to CHWIF	NIL

14	**Ro membrane / Cartridge filter**	**36.2**	0	0	0	0	Collection, Storage, Transportation disposal by at TSDF Site	NIL
15	**Filter cloths**	**36.2**	0	0	0	0	Collection storage Transportation and send to CHWIF for incineration OR send to common TSDF site.	NIL
16	**Cotton waste**	**33.2**	0	0	0	0	Collection storage Transportation and send to CHWIF for incineration OR send to common TSDF site.	NIL
17	**Glass waste**	**S7**	0	0	0	0	Collection storage Transportation and sent to Common TSDF Site or sold to scrap processors.	NIL
18	**PPE waste**	**33.2**	0	0	0	0	Collection storage Transportation and send to CHWIF for incineration OR send to common TSDF site.	NIL
19	**Spent Nitrosyl Sulphuric acid (Generated from dyes & dyes intermediate industries)**	**26.3 of SCH-I & B15 in the foot note of SCH-II**	0	0	0	0	Reception, Storage and use as raw material in Dye & Dye intermediate products name 2,5 DCP & its crude & 2,3 DCP & its crude	905.11MT
20	**Battery waste**	**SCH-IV-17**	0	5.41	5.41	0	Collection, Storage, Transportation, Disposal by send to authorized re-processors/recyclers	NIL

Part B. To be filled by Treatment, storage and disposal facility operators

1. Total quantity received - **N.A.**
2. Quantity in stock at the beginning of the year - **N.A.**
3. Quantity treated - **N.A.**
4. Quantity disposed in landfills as such and after treatment - **N.A.**
5. Quantity incinerated (if applicable) - **N.A.**
6. Quantity processed other than specified above - **N.A.**
7. Quantity in storage at the end of the year - **N.A.**

Part C. To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year- **905.11 MT**
    a. domestic sources
    b. imported (if applicable)
2. Quantity in stock at the beginning of the year - **0.00**
3. Quantity recycled or co-processed or used - **905.11 MT**
4. Quantity of products dispatched (wherever applicable) - **N.A.**
5. Quantity of waste generated - **0.00**
6. Quantity of waste disposed - **0.00**
7. Quantity re-exported (wherever applicable) - **N.A.**
8. Quantity in storage at the end of the year - **0.00**

Date : 09/05/2025

Place : Dahej, SEZ-II

Signature of the Occupier or Operator of the disposal facility

Annexure - I : Monthwise Details

Production Details - IN MT

Sr. No.	Month	2,5 Dichloro Aniline	2,5 Dichloro Phenol	Nitrosyl Sulphuric Acid	Sulphuric Acid	PDCB	Mixture of PDCB
1.	April-24	453.88	24	326.4	187	1208	180
2.	May-24	440	105.2	33	695	1229.76	215.766
3.	June-24	700	98	488	618	1175	163.296
4.	July-24	365	11.6	0	118	1301	187
5.	Aug-24	782	77	0	388	1358	203
6.	Sept-24	778	128	716	874	1330	197
7.	Oct-24	874	281	685	1776	1420	173
8.	Nov-24	235	52	939	294	1177	192
9.	Dec-24	795	233	729	1472	1336	188
10.	Jan-25	1008	207	342	1100	1416	180
11.	Feb-25	608	122.9	506.992	871.2	1235.851	144.71
12.	March-25	905	160	315	1088	898	102
Total		**7943.88**	**1499.70**	**5080.39**	**9481.20**	**15084.61**	**2125.77**

Hazardous -Waste Generation & Disposal Details

Cat : 26.1 Distillation Residue In MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	46.75	6.970	7.650	46.070
May-24	46.070	15.525	51.99	9.605
June-24	9.605	27.100	9.44	27.265
July-24	27.265	33.700	41.92	19.045
August-24	19.045	15.733	8.85	25.928
September-24	25.928	18.275	0.00	44.203
October-24	44.203	19.150	10.080	53.273
November-24	53.273	30.600	30.31	53.563
December-24	53.563	24.000	51.94	25.623
January-25	25.623	35.970	32.51	29.083
February-25	29.083	24.480	38.240	15.323
March-25	15.323	91.000	38.380	67.943
Total	Op. stock @ 46.75 MT on 01/04/2024	342.503	321.310	Cl. stock @ 67.943 MT on 31/03/2025

Cat : 35.3 ETP Waste In MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	0.53	13.400	13.37	0.560
May-24	0.560	17.720	16.59	1.690
June-24	1.690	15.680	0.00	17.370
July-24	17.370	15.560	0.00	32.930
August-24	32.930	29.520	12.48	49.970
September-24	49.970	17.440	0.00	67.410
October-24	67.410	0.000	17.680	49.730
November-24	49.730	0.000	0.00	49.730

December-24	49.730	0.000	48.600	1.130
January-25	1.130	53.520	44.87	9.780
February-25	9.780	74.690	64.500	19.970
March-25	19.970	45.000	18.65	46.320
Total	Op. stock @ 0.53 MT on 01/04/2024	282.530	236.74	Cl. stock @ 46.320 MT on 31/03/2025

Cat : B2040 Sulphur Sludge In MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	0	0	0	0
May-24	0	0	0	0
June-24	0	0	0	0
July-24	0	0	0	0
August-24	0	0	0	0
September-24	0	0	0	0
October-24	0	0	0	0
November-24	0	0	0	0
December-24	0	0	0	0
January-25	0	0	0	0
February-25	0	0	0	0
March-25	0	0	0	0
Total	Op. stock @ Zero on 01/04/2024	0	0	Cl. stock @ Zero on 31/03/2025

Cat : 5.1 Used Oil In MT				
Month	Opening Balance	Generation	Disposal	Closing Balance
April-24	0.8	0.000	0.00	0.800
May-24	0.800	0.000	0.00	0.800
June-24	0.800	0.000	0.00	0.800
July-24	0.800	0.200	0.00	1.000
August-24	1.000	0.100	0.00	1.100
September-24	1.100	0.000	0.00	1.100
October-24	1.100	0.000	0.00	1.100
November-24	1.100	0.000	0.00	1.100
December-24	1.100	0.000	0.00	1.100
January-25	1.100	0.000	0.83	0.270
February-25	0.270	0.000	0.00	0.270
March-25	0.270	0.000	0.00	0.270
Total	Op. stock @ 0.80 MT on 01/04/2024	0.300	0.83	Cl. stock @ 0.270 MT on 31/03/2025

Cat : 33.1 Insulation Waste In MT				
Month	Opening Balance	Generation	Disposal	Closing Balance
April-24	1.34	0.200	0.00	1.540
May-24	1.540	0.350	1.74	0.150
June-24	0.150	1.800	1.74	0.210
July-24	0.210	0.800	0.00	1.010
August-24	1.010	0.250	0.00	1.260
September-24	1.260	0.150	0.00	1.410
October-24	1.410	0.200	0.00	1.610
November-24	1.610	1.600	0.00	3.210
December-24	3.210	1.200	4.16	0.250
January-25	0.250	0.300	0.00	0.550

February-25	0.550	0.250	0.00	0.800
March-25	0.800	1.450	2.12	0.130
Total	Op. stock @ 1.34 MT on 01/04/2024	8.550	9.76	Cl. stock @ 0.130 MT on 31/03/2025

Cat : 33.1 Discarded Containers and Bags In MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	0.12	0.100	0.00	0.220
May-24	0.220	0.770	0.88	0.110
June-24	0.110	0.000	0.00	0.110
July-24	0.110	0.000	0.00	0.110
August-24	0.110	0.730	0.84	0.000
September-24	0.000	0.000	0.00	0.000
October-24	0.000	0.000	0.00	0.000
November-24	0.000	1.000	0.94	0.060
December-24	0.060	0.800	0.00	0.860
January-25	0.860	0.125	0.92	0.065
February-25	0.065	1.800	1.710	0.155
March-25	0.155	0.500	0.00	0.655
Total	Op. stock @ 0.120 on 01/04/2024	5.825	5.29	Cl. stock @ 0.655 MT on 31/03/2025

Cat : 33.1 NRP waste PPEs, Cotton Waste In MT				
Month	Opening Balance	Generation	Disposal	Closing Balance
April-24	2.77	1.300	0.00	4.070
May-24	4.070	1.500	2.93	2.640
June-24	2.640	0.800	2.63	0.810
July-24	0.810	2.500	0.00	3.310
August-24	3.310	3.500	4.20	2.610
September-24	2.610	1.200	0.00	3.810
October-24	3.810	0.500	0.00	4.310
November-24	4.310	0.500	0.00	4.810
December-24	4.810	0.000	0.000	4.810
January-25	4.810	0.000	0.000	4.810
February-25	4.810	0.000	0.000	4.810
March-25	4.810	0.000	0.000	4.810
Total	Op. stock @ 2.77MT on 01/04/2024	11.800	9.76	Cl. stock @ 4.810 MT on 31/03/2025

Cat : 36.2 Spent Carbon In MT				
Month	Opening Balance	Generation	Disposal	Closing Balance
April-24	0.00	0.00	0.00	0.00
May-24	0.00	0.000	0.00	0.00
June-24	0.00	0.000	0.00	0.00
July-24	0.00	0.000	0.00	0.00
August-24	0.00	0.000	0.00	0.00
September-24	0.00	0.000	0.00	0.00
October-24	0.00	26.010	10.290	15.72
November-24	15.72	71.980	45.06	42.64

December-24	42.64	53.000	50.22	45.42
January-25	45.42	0.000	4.47	40.95
February-25	40.95	0.000	0.000	40.95
March-25	40.95	0.000	0.00	40.95
Total	Op. stock @Zero on 01/04/2024	150.99	110.04	Cl. stock @ 40.95MT on 31/03/2025

Cat : B1150 Spent Catalyst In MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	0	0.000	0.00	0.000
May-24	0.000	0.981	0.98	0.000
June-24	0.000	0.000	0.00	0.000
July-24	0.000	0.000	0.00	0.000
August-24	0.000	0.000	0.00	0.000
September-24	0.000	0.000	0.00	0.000
October-24	0.000	0.000	0.00	0.000
November-24	0.000	0.000	0.00	0.000
December-24	0.000	0.000	0.00	0.000
January-25	0.000	0.711	0.71	0.000
February-25	0.000	0.000	0.00	0.000
March-25	0.000	0.000	0.00	0.000
Total	Op. stock @ Zero on 01/04/2024	1.692	1.692	Cl. stock @ Zero on 31/03/2025

Cat : 35.3 MEE Salt In MT				
Month	**Opening Balance**	**Generation**	**Disposal**	**Closing Balance**
April-24	13.9	5.400	16.42	2.880
May-24	2.880	30.000	26.03	6.850
June-24	6.850	13.000	12.48	7.370
July-24	7.370	12.000	0.00	19.370
August-24	19.370	7.000	12.03	14.340
September-24	14.340	2.000	0.00	16.340
October-24	16.340	2.500	0.000	18.840
November-24	18.840	0.000	0.00	18.840
December-24	18.840	0.000	8.010	10.830
January-25	10.830	0.000	9.56	1.270
February-25	1.270	0.000	0.00	1.270
March-25	1.270	0.000	0.00	1.270
Total	Op. stock @ 13.9 MT on 01/04/2024	71.900	84.53	Cl. stock @ 1.270 MT on 31/03/2025

Cat : B15/26.3 INORGANIC ACIDS (SPENT ACIDS) in MT				
Month	**Opening Stock**	**Receiving**	**Consumption**	**Closing Stock**
April-24	0	170.7	170.7	0
May-24	0	73.01	73.01	0
June-24	0	0	0	0
July-24	0	0	0	0
August-24	0	0	0	0
September-24	0	0	0	0
October-24	0	99.39	99.39	0
November-24	0	74.33	74.33	0
December-24	0	24.01	24.01	0

January-25	0	74.99	74.99	0
February-25	0	123.98	123.98	0
March-25	0	264.7	264.7	0
Total	Op. stock @ 0.00 MT on 01/04/2024	905.11	905.11	Cl. stock @ 0.00 MT on 31/03/2025

Cat Sch -IV : Battery waste MT				
Month	**Opening Stock**	**Receiving**	**Consumption**	**Closing Stock**
April-24	0	0	0	0
May-24	0	0	0	0
June-24	0	0	0	0
July-24	0	0	0	0
August-24	0	5.41	5.41	0
September-24	0	0	0	0
October-24	0	0	0	0
November-24	0	0	0	0
December-24	0	0	0	0
January-25	0	0	0	0
February-25	0	0	0	0
March-25	0	0	0	0
Total	Op. stock @ 0.00 MT on 01/04/2024	5.41	5.41	Cl. stock @ 0.00 MT on 31/03/2025

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

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

संख्यां /No. : **P/WC/GJ/15/2712 (P423120)** दिनांक /Dated : **02/09/2022**

सेवा में
/To,

M/s. AARTI INDUSTRIES LIMITED,
PLOT NO. - Z-103/C, DAHEJ SEZ - (PART -2), ,
Dahej,
Taluka: Vagra,
District: BHARUCH,
State: Gujarat
PIN: 392130

विषय /Sub : **Plot No, Z-103/C, DAHEJ SEZ -II, Dahej To Vagra Road, DAHEJ, Vagra, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392130** में स्थित पेट्रोलियम वर्ग **A** अधिष्ठापन - पेट्रोलियम नियम 2002 के अंतर्गत प्ररूप XV में जारी अनुज्ञप्ति सं **P/WC/GJ/15/2712 (P423120)** – संशोधन के संदर्भ में ।

Existing Petroleum Class **A** Installation at **Plot No, Z-103/C, DAHEJ SEZ -II, Dahej To Vagra Road, DAHEJ, Vagra, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392130**- Licence No. **P/WC/GJ/15/2712 (P423120)** - granted in form XV under Petroleum Rules 2002 - Amendment regarding

महोदय
/Sir(s),

कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या **OIN1117305** दिनांक **23/08/2022** का संदर्भ ग्रहण करें ।

Reference to your letter No. **OIN1117305** dated **23/08/2022** on the above subject.

दिनांक **31/12/2025** तक वैध अनुज्ञप्ति संख्या **P/WC/GJ/15/2712 (P423120)** दिनांक **02/09/2022** निम्नलिखित वर्ग एवं मात्राओं में पेट्रोलियम भंडारण के लिए यथा संशोधित कर इस पत्र के साथ लौटाई जा रही है ।

Licence No. **P/WC/GJ/15/2712 (P423120)** dated **02/09/2022** valid upto **31/12/2025** is returned herewith duly amended with respect to Capacity Amendment,

पेट्रोलियम का विवरण /Description of Petroleum	किलोलीटरों में अनुज्ञप्ति क्षमता /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A, in bulk	**61.00 KL**
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	**NIL**
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B, in bulk	**NIL**
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	**NIL**
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C, in bulk	**NIL**
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C,otherwise than in bulk	**NIL**
कुल क्षमता /Total	**61.00 KL**

कृपया पावती दें।
Please acknowledge the receipt.

भवदीय /Yours faithfully,

((गणेश आर.)
(GANESH R.))
उप विस्फोटक नियंत्रक

Dy. Controller of Explosives
कृते संयुक्त मुख्य विस्फोटक नियंत्रक
For Jt. Chief Controller of Explosives
वडोदरा/Vadodara

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : http://peso.gov.in देखें)
(For more information regarding status,fees and other details please visit our website: http://peso.gov.in)

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

AARTI INDUSTRIES®

Ref. No.- AIL/Lic. No.41555/2024-25/05 **Date: 21/10/2024**

To,
The Deputy Director,
Industrial Safety and Health,
2nd Floor, Near Gayatri Nagar,
Kanbivaga, Bahumali Building,
Bharuch 392001

Subject: Submission of On Site Emergency Plan for Aarti Industries Limited Mfg. location Plot No. Z/103/C, Dahej SEZ II, Tal. Vagra, Dist. Bharuch

Ref.: Factory License No. 41555

Aarti Industries Limited (AIL) operates a fully integrated manufacturing set-up of specialty chemicals at Plot No. Z/103/C, Dahej SEZ II, Tal. Vagra, Dist. Bharuch . We **have updated the On Site Emergency Plan as per Sec 41 B (4) of The Factories Act 1948 & Gujarat Factories Rule 1963 -68J (12) Schedule 8A , Rule 13 (1) under MSIHC Rule 1989. The updated On Site Emergency Plan is enclosed herewith for your record please.**

Kindly acknowledge the receipt of the same and oblige.

Thanking you in kind anticipation.

Yours Sincerely,
For, Aarti Industries Limited,
Plot No. Z/103/C, SEZ II, Dahej,

23/10/2024
જુનિયર કલાર્ક
ઔદ્યોગિક સલામતી અને સ્વાસ્થ્ય
ભરૂચ

Authorized Signatory
Sandip Parekh

Enclosure: Original copy of Revised On Site Emergency Plan Oct. 2024

AARTI INDUSTRIES LIMITED

Date: 14.07.2023

To,
The Deputy Director,
Industrial Safety and Health,
2nd Floor, Near Gayatri Nagar,
Kanbivaga, Bahumali Building,
Bharuch 392001.

Subject: Submission of documents as discussed during the meeting.

Respected Sir,

This is with reference to the discussion held on 01/07/2023 at Bharuch,Please find following documents as advised.

Sr. No.	Particulars	Status
1	Pressure Vessel testing of all vessels as per RULE61 of GFR 1963.	Total No.of **Pressure Vessels** : 46 Nos. **Testing Completed**: 46 Nos. **Annexure A**: Summary of Pressure Vessels
2	Third Party Safety Audit Report as per IS 14489:2018 , Its Recommendations & Compliance.	A Third Party Safety audit was conducted on Sep. 22 and compliance report is attached as an Annexure B. **Refer Annexure B. Compliance Report**
3	Updated Onsite Emergency Plan	The Updated Onsite Emergency Plan is attached as on June-2023 **Annexure C: On site Emergency Plan**
4	Workplace area monitoring report , Form No-37	The workplace monitoring is being carried out on a weekly basis at key identified locations **Annexure D: Workplace area monitoring record,**
5	Medical Examination report as per targeted organs	Medical Examination is being conducted periodically. The list of tests are attached for your reference , Sample report is attached **Annexure E1 : Medical test** **Annexure E2 : Sample PME Report.** **Annexure E3 : CIH certificate of FMO.**
6	Fire adequacy Study & Report	1. The Provisional **Fire NOC** was obtained from Bharuch Nagarpalika in Dec. 2019 attached as annexure F1. 2. Compliance Report as per **GFR 1963 Rule 66A.** 3. PO Copy of Fire Adequacy study is attached and work will be completed before 30.09.2023. PO NO: **4580511363 and 4580511622** **Annexure F1: Fire NOC** **Annexure F2: Compliance report of Rule 66 A** **Annexure F3: PO copy for Fire Adequacy Study.**
7	DISH circular compliance	The compliance to DISH circular is attached herewith. **Annexure G1:Compliance report as per** DISH circular . **Annexure G2:CO2 flooding system installation certificate**

Thanking You,
For, Aarti Industries Limited,

Sandip Parekh
(Authorized Signatory)

14/7/2023
જુનિયર ક્લાર્ક
ઔદ્યોગિક સલામતી અને સ્વાસ્થ્ય
ભરૂચ

Compliance of Risk Assessment Recommendations from EIA		
Sr. No.	**Condition**	**Compliance**
A.	**STORAGE DETAILS OF RAW MATERIALS**	
i.	**Recommendations for storage of Methanol**	
1	Proper storage area shall be provided.	Complied, A separate area with well boundaries has been made for the storage of Methanol according to PESO guidelines.
2	Eye wash station shall be provided	Complied. Unit has Provided Safety Sower within the storage yard boundary with easy access to that location.
3	Chilling Water Circulation shall be provided.	Complied Chilling Water Circulation has been provided.
4	PPEs shall be used	Complied All workmen use appropriate PPE during working time.
5	Self-contained breathing apparatus shall be used	Complied. Adequate no. of SCBA available on site. SCBA training has been provided to all concerned workers and employees.
6	PPEs like Splash goggles, Full suit, Vapor respirator or self contained breathing apparatus, Gloves etc., shall be used while handling this chemical	Complied All workers and Employees use appropriate tested PPEs at the time of chemical handling.
B.	**STORAGE AND HANDLING OF SOLID CHEMICALS**	
i.	**Handling Chemical Bags**	
1	PPEs like suitable protective clothing, gloves, face shield, dust and splash proof safety goggles, chemically resistant safety shoes, etc. shall be used	Complied All workers and Employees are compulsorily using appropriate tested PPE during chemical handling time.
2	Standard Approved respirator shall be used.	Complied. Standard approved dust respirators are used.

3	Eyewash station and safety showers shall be made available	Complied. Plant wise ,Floor wise installed safety shower and eye wash station i.e Dyphoterine kits boxes.
4	Dust monitoring shall be carried out periodically	Complied. Dust monitoring is being carried out monthly by a third party.
ii.	**Cleaning of Chemical Spillage.**	
1	Certified Dust respirator shall be used	Complied. ISI certified dust mask is provided to all workers and employees who are working at a dusty workplace. Form 37 (Workplace Monitoring) attached in **Annexure .**
2	PPEs shall be used.	Complied. All workmen use appropriate PPEs during working time.
3	Chemicals will be stored in isolated storage rooms having provision for natural & forced ventilation.	Complied. Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.
4	Spillage shall be cleaned or neutralized with suitable media	Complied. Spillages will be cleaned/neutralized with suitable media when required.
5	Fire fighting facilities shall be made available near storage locations, if required	Complied. Near the storage yard, Portable fire extinguishers stand, Fire bucket stands, Fire Hydrant Systems, Fire Manual call points, Fire alarm etc has been provided.
	Additional Recommendations	
1	Operators/Workers to be trained for Safe Work Practices	Complied. Safety training is provided periodically for Safe Work Practices and job SOP is given to all employees.
2	Chemical handling bags & dusty area to be labeled properly for each chemicals.	Complied. Chemical bags and dusted areas are labeled properly for each chemical.

C.	STORAGE AND HANDLING OF SULPHURIC ACID	
i.	**Sulphuric Acid Loading & Unloading.**	
1	Loading & Unloading activity shall be carried out in well ventilated area.	Complied. Loading & Unloading it is done in open area.
2	Neutralization media shall be made available in areas where acid is stored/handled/used.	Complied. Caustic available for neutralization where sulphuric acid is stored/handled/used.
3	PPEs will be used.	Complied. PPEs are used.
ii.	**Working in Storage Area**	
1	Storage area shall be well ventilated	Complied. Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.
2	Neutralization shall be done immediately with soda ash/lime or spill shall be absorbed in sand or by suitable adsorbent	Complied. Caustic is available for neutralization in case of spill
3	PPEs like face mask, gloves etc. shall be worn by concerned person	Complied. PPEs are compulsory to be worn by all employees during work and before issuing work permits.
4	Floors shall be made of acid proof tiles	Complied. Unit has provided acid proof tiles for the storage area.
iii.	**Tank overflow/leakage from joints etc**	
1	Same as Above.	Complied. Dyke walls have been provided to restrict overflow of chemicals from storage tanks in the tank farm area. Photograph of dyke wall attached is given in point No. 77 in EC Compliance report.
	Additional Recommendations	
1	Work Instruction for checking tank level to be prepared and followed.	Complied. Work Instructions for checking tank level have been prepared and followed.
D.	**STORAGE AND HANDLING OF DRUMS**	

i	**Drums Unloading from Truck by forklift.**	
1	Truck shall be inspected properly before unloading the barrels.	Complied. Trucks are inspected properly before unloading the barrels.
2	Spill containment kit shall be made available to contain the leaking barrel.	Complied. Spill containment kit is available to contain the leaking barrels.
3	Hot work or source of ignition shall be avoided near the unloading area.	Complied Process plant and unloading area are restricted for doing hot work and kept away from all types of ignition sources.
4	Fire extinguishers to be kept available.	Complied. All floors of the plant are designed and provided with fire fighting equipment like fire extinguishers, hydrant post, hose reels, Hose boxes, fire MCP points, Fire alarm system etc.
5	Appropriate PPEs like Safety Goggles, Butyl or Nitrile rubber gloves, gumboot, plastic apron etc shall be used.	Complied. Unit has provided appropriate PPEs like Safety Goggles, Butyl or Nitrile rubber gloves, gumboot, plastic apron etc
	Additional Recommendations	
1	SOPs to be prepared and followed.	Complied. All SOPs are prepared and followed.
2	Foam type fire extinguisher to be provided in nearby location.	Complied. Mechanical Foam type fire extinguishers with trolley mounted has been provided near storage tank farms and the process plant.
3	Fire monitor with provision of connection of foam to be provided.	Complied. Fire monitor connected to a foam trolley has been provided near the storage tank farm and PESO tank area.
ii.	**Transfer of chemicals from drums to plant/reactor**	

1	PPEs shall be used.	Complied. PPEs are used.
iii.	**Drum/Barrels Storage Area**	
1	PPEs are used.	Complied. PPEs are used.
iv.	**Cleaning of empty drums**	
1	PPEs like face mask	Complied. PPEs like face mask are used.
E.	**COMMENTS / RECOMMENDATIONS BASED ON CONSEQUENCE ANALYSIS**	
	Recommendations	
1	Evacuation routes shall be planned such that alternate route is available from any corner in more than one direction	Complied. Plant consists of two main roads accordingly from two gates and are inter crossing with three roads across the plant.Inside of plant premises, two assembly points have been made One near Main gate security and Another is near COP area.
2	Extra precautions to be taken in unloading of flammable/toxic chemicals. The details of precautions during storage handling and transportation of chemicals have been given in separate paragraph.	Complied. During the unloading of the methanol PESO tank is blanketed with nitrogen and through a 3 way breathed valve its vent through a flame arrestor.
3	Firefighting arrangements shall be provided as per the guidelines of OISD	Complied. Fire fighting systems installed and designed in the plant as per the NFPA and OISD guideline.
4	Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. to be adopted for the safe operation of plant at appropriate stage.	Complied. Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. have been adopted for the safe operation of plant at appropriate stage.
F.	**PROPOSED SAFETY/CONTROL MEASURES TO REDUCE THE RISK OF FIRE, EXPLOSION AND TOXIC RELEASE**	
i.	**Transportation of Chemicals, by Road Tanker or Truck.**	

1	Training will be provided to driver and cleaner regarding the safe driving, hazards of Flammable chemicals, emergency handling, and use of SCBA sets.	Complied. All entry vehicles with driver and helper have to make temporary gate passes and within the procedure ,their health check up is done by OHC & training induction is given regarding the safe driving, hazardous chemical handling and how to handle an emergency situation.
2	TREM card & SCBA set will be kept with TL.	Complied. As per GPCB & our check list of transporting vehicles, It's mandatory to keep a TREM CARD. The driver is provided with SCBA when required.
3	Fire extinguishers will be kept with TL.	Complied. Portable fire extinguishers are compulsory to be kept in the truck or tanker carrying the hazardous chemicals
4	Flame arrestor will be provided to TL exhaust.	Complied. Flame arrestors have been kept at the main gate and are installed on the exhausts of all vehicles entering the company premises.
5	Instructions will be given not to stop the truck in populated area.	Complied. As per the TREM CARD instructions, It is strictly prohibited to stop the vehicle in a populated area.
6	Hazard Identification symbol and emergency telephone number will be displayed as per HAZCHEM CODE.	Complied. In the EIP panel, it is mandatory to put the Hazard identification symbol ,Hazchem code. In the TREM card, emergency telephone numbers to be contacted during the emergency situation are mentioned.
7	Appropriate PPEs will be kept with TL	Complied. Appropriate, tested and effective PPEs are mandatory to be kept available and are used.
	In case of leak or spill:	
1	Area & Container will be isolated.	Complied. In case of a leak or spill, the Operation team immediately takes action on it. Area of spillage is isolated from the work zone and containers are also kept separately.

2	Source of leakage will be checked.	Complied. In case of a leak spill, the operation & safety team first takes action to identify the source of leakage and immediately stop the leak or spill as per the SOP.
3	Damaged containers or spilled material shall not be attended without wearing appropriate protective clothing.	Complied. Appropriate PPEs and protective clothing is provided to handle damaged containers or spilled material.
4	Leakage will be stopped, if possible to do so without risk.	Complied Leakages are stopped without risks if possible.
5	Combustibles (wood, paper, oil, etc.) shall be kept away from spilled material.	Complied Combustibles are kept away from any spilled material.
ii.	**Unloading of Solvent Drums /Barrels from Truck.**	
1	Priority will be given for truck to immediately enter the storage premises at site and will not be kept waiting near the gate or the main road.	Complied Unit gives priority to trucks immediately entering the storage premises at site and is not kept waiting near the gate or the main road.
2	Security person will check License, TREM CARD, Fire extinguisher condition; SCBA set condition, Antidote Kit, required PPEs as per SOP laid down.	Complied Security personnel check License, TREM CARD, Fire extinguisher condition; SCBA set condition, Antidote Kit, required PPEs as per SOP laid down.
3	QC check & other required checks shall be done & after the approval of same, unloading procedure will be allowed.	Complied. QC check & other required checks is done & after the approval of same, unloading procedure is allowed.
	Following precautions will be taken during unloading:	
1	Wheel stopper will be provided to TL at unloading platform.	Complied Wheel stopper is provided to TL at unloading platform.
2	Unloading procedure will be followed according to check list.	Complied Unloading procedure is followed according to checklist.

3	Only day time unloading will be permitted.	Complied Only day time unloading is permitted.
iii.	**Chemical Storage Area safety.**	
1	All storage areas shall be isolated from all sources of open flame and well posted with “Hazardous Chemical Storage”, “No Smoking”, “Hot work Restricted” signs.	Complied. All storage areas are isolated from all sources of open flame. Signs such as “Hazardous Chemical Storage”, “No Smoking”, “Hot work Restricted” are posted at all storage areas.
2	Spark-resistant tools will be used.	Complied. Spark-resistant tools such as spark arrestors and FLP equipment are used.
3	Pipes and equipment shall be inspected at regular intervals.	Complied. Pipes and equipment are inspected at regular intervals.
4	Water spray shall be used to reduce vapors (by taking care that water is not directed straight away on leak, spill area or inside container).	Complied Water spray is used to reduce vapors.
5	Combustibles (wood, paper, oil, etc.) shall be kept away from spilled material.	Complied. Unit has ensured that combustibles (wood, paper, oil, etc.) are kept away from spilled material.
6	MS or HDPE storage drums will be provided as per good engineering practices.	Complied Unit has ensured that MS or HDPE storage drums are provided.
7	Storage area will be provided with adequate fire fighting/extinguishing system, Fire hydrant monitor with foam attachment facility, etc.	Complied Storage area has been provided with adequate fire fighting/extinguishing system, fire hydrant monitor with foam attachment facility, etc.
8	Sand Buckets will be made available.	Complied. Sand Buckets are available.

9	Workers and Operators handling such materials shall be trained for the hazards (fire/explosion, health, chemical reactivity, etc.) & safety measures associated with them.	Complied. Workers and Operators handling such materials are trained for the hazards (fire/explosion, health, chemical reactivity, etc.) & safety measures associated with them.
10	Area shall be inspected on regular basis.	Complied. Area is inspected on regular basis.
11	NFPA label (hazard identification) along with capacity of chemical will be displayed on respective drums.	Complied NFPA label (hazard identification) along with capacity of chemical is displayed on respective drums
12	Dumping /Drain vessel/alternate vessel will be provided to collect the spillage material. Spillage Kit shall be made available.	Complied Dumping /Drain vessel/alternate vessel has been provided to collect the spillage material.
13	FLP type pump & electric fittings will be provided, where applicable.	Complied. FLP type pump & electric fittings are provided.
14	Earthing will be provided to related drums and process vessels, as per the requirement.	Complied Earthing has been provided to related drums and process vessels.
15	Double Jumper clip shall be provided to all solvent handling pipeline flanges, if applicable.	Complied. Double Jumper clips are provided to all solvent handling pipeline flanges, if applicable.
iv.	**Chemical transfer from storage area to Process Plant.**	
1	Double mechanical seal type FLP type pump shall be provided.	Complied. Double mechanical seal type FLP type pump has been provided.
2	Double on / off switch shall be provided, if needed. Flame arrestor shall be provided, wherever required.	Complied Double on / off switch has been provided, when needed. Flame arrestor is provided, wherever required.
3	NRV Shall be provided on pump discharge line	Complied Unit has provided NRV on pump discharge line.

4	Double Jumper clip shall be provided to all solvent handling pipelines.	Complied. Double Jumper clip shall be provided to all solvent handling pipelines.

AARTI INDUSTRIES LIMITED

Agreement between of Sunshine Global Hospitals,Bharuch & Aarti Industries Limited, Dahej (Zone III)

This agreement is between Sunshine Global Hospitals, Bharuch and Aarti Industries Limited, Dahej (Zone III) on 1st September 2019.

Terms and condition of the agreement is as below:

- Hospital hereby undertakes to extend its services (OPD/IPD/emergency/medical & surgical treatment including Laboratory investigations & pharmacy expanses) on credit basis to the persons designated by Aarti Industries Limited, Dahej (Zone III) .
- Prior to sending patient at hospital company personal will telephonically communicate with concern person of the hospital (Details are attached).
- Patient shall show ID card at the hospital provided by Aarti Industries Limited at the time of admission or consultation. Company HR department or Factory Medical Officer will communicate through mail for treatment on credit basis within 24 hours in case of admission.
- The company will make the payment within twenty five working days after the discharge of the patients.(Scan copy of the bill will be e-mailed to company immediately on discharge & Hard copy of the bill will be couriered at your plant)

Following are the authorized person to call in case of seeking medical services:

Aarti Industries Limited, Dahej (Zone III):

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industies.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas Gaurav	Zone Safety Head	9099005387	vilas.gaurav@aarti-industries.com
5	Mr. Atul Dave	Sr. Manager - Safety	9898997921	atul.dave@aarti-industries.com
6	Dr. Sanjay Hansoti	Factory Medical officer	9904706759	sanjay.hansoti@aarti-industries.com

AARTI INDUSTRIES LIMITED

Sunshine Global Hospital, Bharuch:

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Jayesh Gohil	Business Development	8980006817	marketing.bharuch@sunshine globalhospitals.com
2	Mr. Ravi Patel	Head Operation & Marketing	8758780000	ravi.patel@sunshineglobalhospitals.com

Name & Sign of authorized Signatory Aarti Industries Limited, Dahej	Name & Sign of authorized Signatory Sunshine Global Hospital, Bharuch

Date:

Place:

ATHHARV™
TOXSCREEN
Industrial Health & Toxic Chemicals Testing

MEDICAL CHECKUP SUMMARY-YEAR-2025

NAME: Pallavkumar Ganpatbhai Gohil	AGE: 28	SEX: MALE	DATE:05.09.2025	SR NO.133
EMPLOYEE NO.59002051	HEIGHT. 166 CM	WEIGHT:58.0 KG		BMI:21.0
COMPANY NAME	Aarti Industries Limited, Dahej.-Diamond			
DEPT. Mechanical	DESI.Assistant Associate			

GENERAL EXAMINATION

PRESENT COMPLAINS: NO	PAST ILLNESS HISTORY:NO
FAMILY HISTORY: NO	PERSONAL HISTORY: NO
KNOWN ALLERGY:NO	ADDICTION: NO
BP: 90/60MMHG	PULSE:78 /MIN

SYSTEMIC EXAMINATION

RS.: NAD	CVS: NAD	CNS: NAD	AS- NAD	MUS.SKEL EX.-NAD	DENT.EX.-NAD	SKIN EX.-NAD

ACUITY OF VISION		RT.EYE	LT.EYE	AUDIOMETRY	
WITHOUT GLASS	DISTANT			RIGHT EAR	NA
	NEAR			LEFT EAR	NA
WITH GLASS	DISTANT	6/12	6/12	PFT TEST	NORMAL
	NEAR	N/8	N/8	X RAY CHEST	NA
COLOUR BLINDNESS:		NO		ECG TEST	NA

A. TRISMUS TEST-NEGATIVE — B. RHOMBERGS TEST-NEGATIVE

BLOOD TEST

HB	13.1	g/dl	CREATININE	1.39	Mg/dl	RBS	62.33	Mg/dl
WBC	7650	/Cmm	UREA	36.19	Mg/dl	SGPT	23.9	U/L
PLATELET	247000	/Cmm	URIC ACID	4.03	Mg/dl	SGOT	27.07	U/L
BILIRUBIN	0.4	Mg/dl				A. PHOSPATE	55.6	U/L
DIRECT	0.1	Mg/dl	METHAEMOGLOBIN	<1	%	GGT	24.25	U/L
INDIRECT	0.3	Md/dl	URINE PHENOL	32.72	MG PHENOL/GM CREATININE			

URINE TEST	GLUCOSE	Nil mg/dl	U. BILIRUBIN	Nil	RED BLOOD CELL	Nil/HPF
	PROTEIN	Nil Gm/dl	UROBILINOGEN	Nil	PUS CELL	1 - 3/hpf/HPF
REMARK:	NIL					

ADVICE: NIL

HE/SHE HAS NOT BEEN FOUND SUFFERING FROM ANY INFECTION/CONTAGIOUS DISEASE/OPEN WOUND OR FEVER AT THE TIME OF EXAMINATION.HE /SHE IS FIT FOR DUTY.

DR. JAYESH M PATEL
RE NO. G-34998(M.B.B.S, CIH)
FACTORY MEDICAL OFFICER

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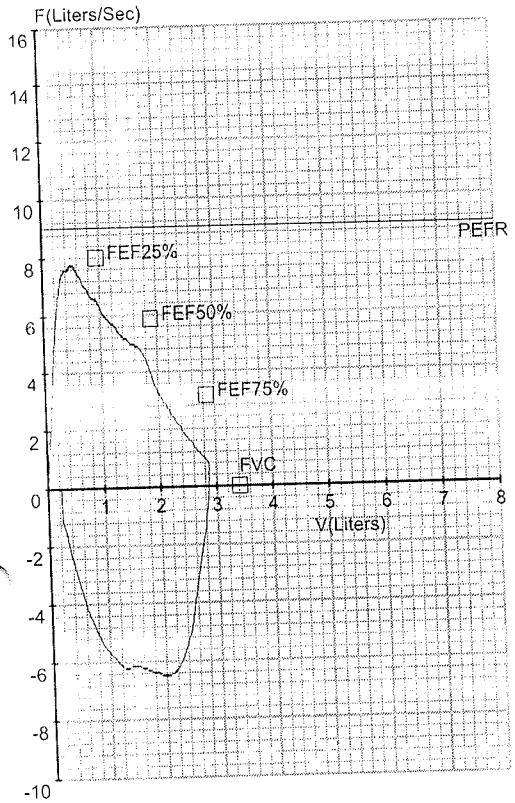
Sabarmati Visat Highway, Sabarmati, Ahmedabad, Gujarat, 380 005.

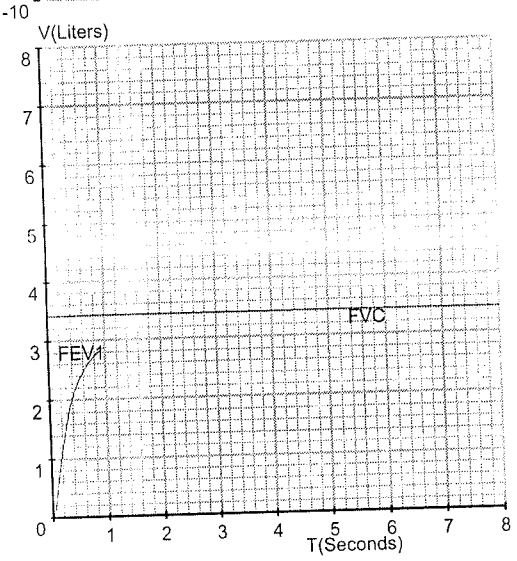
Clarity Medical Pvt. Ltd.

59002051 - PALLAVKUMAR GANPATBHAI GOHIL
28 Years / Male / Ht 166 Cms /58 Kgs / Non-Smoker

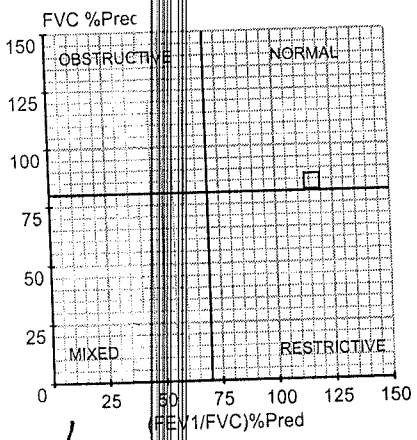
FVC TEST
Date: 05-09-2025 (T1)

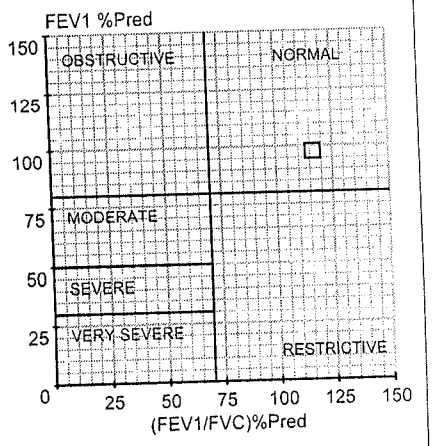
Pred Eqn : CLARITY Eth.Corr : 100 Temp : 0°C
Ref By : NONE





Parameter		Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.42	2.87	84	--	--	--
FEV1	[L]	2.92	2.85	98	--	--	--
FEV.5	[L]	--	2.38	--	--	--	--
FEV3	[L]	3.32	--	--	--	--	--
FEV6	[L]	--	--	--	--	--	--
PEFR	[L/s]	8.99	7.80	87	--	--	--
FEF25-75	[L/s]	4.40	5.12	116	--	--	--
FEF75-85	[L/s]	--	2.36	--	--	--	--
FEF.2-1.2	[L/s]	7.50	6.59	88	--	--	--
FEF25%	[L/s]	7.98	7.35	92	--	--	--
FEF50%	[L/s]	5.88	5.48	93	--	--	--
FEF75%	[L/s]	3.16	3.03	96	--	--	--
FEV.5/FVC	[%]	--	82.96	--	--	--	--
FEV1/FVC	[%]	85.49	99.46	116	--	--	--
FEV3/FVC	[%]	97.00	--	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--	--
FET	[S]	--	0.90	--	--	--	--
ExplTime	[S]	--	0.10	--	--	--	--
LungAge	[Y]	28.00	29.00	104	--	--	--
FIVC	[L]	--	2.63	--	--	--	--
PIFR	[L/s]	--	6.55	--	--	--	--
FIF25%	[L/s]	--	7.78	--	--	--	--
FIF50%	[L/s]	--	6.78	--	--	--	--
FIF75%	[L/s]	--	5.27	--	--	--	--
FIV.5	[L]	--	2.20	--	--	--	--
FIV1	[L]	--	--	--	--	--	--
FIV3	[L]	--	--	--	--	--	--
FIV.5/FIVC	[%]	--	83.63	--	--	--	--
FIV1/FIVC	[%]	--	--	--	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--	--





- Pre Medication Report :
Spirometery within Normal range as FVC% >= 80 And FEV1/FVC% > 70

- Pre COPD Severity Report:
COPD Severity within Normal range

- Doctor's Comments : Normal

Dr. JAYESH PATEL/DR KALPANA PATEL

TEST REPORT

Name	: Mr. Pallavkumar Ganpatbhai Gohil 133	**Reg. No**	: 509100229
Age/Sex	: 28 Years / Male	**Reg. Date**	: 06-Sep-2025 04:18 PM
Ref. By	:	**Collected On**	: 06-Sep-2025 04:19 PM
Client Name	:	**Printed On**	: 08-Sep-2025 04:47 PM
Employee ID	: 59002051	**Department**	: Asst. Assoc.

COMPLETE BLOOD COUNT (CBC)

Parameter	Results	Unit	Biological Ref. Interval
Hemoglobin (SLS method)	13.1	g/dL	13.0 - 18.0
Hematrocrit (Electrical Impedance)	L **42.50**	%	47 - 52
RBC Count (Electrical Impedance)	4.76	millions/cmm	4.7 - 6.0
MCV (Calculated)	89.3	fL	78 - 110
MCH (Calculated)	27.5	Pg	27 - 31
MCHC (Calculated)	30.8	%	30 - 35
RDW (Calculated)	H **14.7**	%	11.5 - 14.0
WBC Count (Flowcytometry)	7650	/cmm	4000 - 10500
Platelet Count	247000	/cmm	150000 - 450000
MPV	9.2	fL	7.4 - 10.4

DIFFERENTIAL WBC COUNT	[%]		EXPECTED VALUES	[Abs]		EXPECTED VALUES
Neutrophils (%)	51	%	42.0 - 75.2	3902	/cmm	
Lymphocytes (%)	42	%	20 - 45	3213	/cmm	
Eosinophils (%)	2	%	1 - 4	153	/cmm	
Monocytes (%)	5	%	2 - 8	383	/cmm	
Basophils (%)	0	%	0 - 1	0	/cmm	

PERIPHERAL SMEAR STUDY

RBC Morphology	RBC are normochromic normocytic.
WBC Morphology	No premature cells are seen.
Platelets	Platelets are adequate on smear.
Parasites	Malarial parasite is not detected.

This is an Electronically Authenticated Report.

Dr.K.R Prajapati
MD.Patho (G-28517)

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drtejasforensic@yahoo.com
305, Third Floor, Aagam Avenue, Nr. CNG Petrol Pump,
Sabarmati Visat Highway, Sabarmati, Ahmedabad, Gujarat, 380 005.

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Employee ID	: 59002051	**Department**	: Asst. Assoc.

Parameter	Result	Unit	Biological Ref. Interval
Random Blood Sugar (RBS) *Glucose Oxidase-Peroxidase*	**62.33**	mg/dL	70 - 140
Creatinine *ENZYMATIC*	1.39	mg/dL	0.8 - 1.5
Uric Acid *Uricase Colorimetry*	4.03	mg/dL	3.5 - 8.5
UREA *Urease end point reaction*	36.19	mg/dL	16.0 - 43.0
LIVER FUNCTION TEST			
SGOT *Multipoint-Rate/Uv With P-5-P*	27.07	U/L	17 - 59
SGPT *Multipoint-Rate/Uv With P-5-P*	23.90	U/L	0 - 50
Total Bilirubin *Colorimetric method*	0.4	mg/dL	0.1 - 1.4
Conjugated Bilirubin *Sulph acid dpl/caff-benz*	0.1	mg/dL	0.0 - 0.3
Unconjugated Bilirubin *Sulph acid dpl/caff-benz*	0.3	mg/dL	0.0 - 1.1
Alakaline Phosphatase *P-nitrophenyl phosphatase-AMP Buffer, Multiple-point rate*	55.6	U/L	38 - 126
GGT *G-glutamyl-p-nitroanilide*	24.25	U/L	15 - 73

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Employee ID	: 59002051	**Department**	: Asst. Assoc.

Parameter	Result	Unit	Biological Ref. Interval
*** PHENOL LEVEL - URINE** *UV - VIS Spectrophotometer*	32.72	mg Phenol/gm Creatinine	Up to 85mg Phenol/creatinine on control Indian population. Ref : Verma at al, Industrial Health,2003,41,260-264.
*** METHAEMOGLOBIN, EDTA blood** *UV - Vis Spectrophotometry*	<1	%	Adult: 1% of total Hb. Children < 1yr: 1.5 % of total Hb.

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Employee ID	: 59002051	**Department**	: Asst. Assoc.

Parameter	Result	Unit	Biological Ref. Interval
URINE ROUTINE EXAMINATION			
PHYSICAL EXAMINATION			
Quantity	20 cc		
Colour	Pale Yellow		
Clarity	Clear		
CHEMICAL EXAMINATION (BY REFLECTANCE PHOTOMETRIC)			
pH	5.0		4.6 - 8.0
Sp. Gravity	1.010		1.001 - 1.035
Protein	Nil		
Glucose	Nil		
Ketone Bodies	Nil		
Urobilinogen	Nil		
Bilirubin	Nil		
Nitrite	Nil		
Leucocytes	Nil		
Blood	Nil		
MICROSCOPIC EXAMINATION (MANUAL BY MICROSCOPY)			
Leucocytes (Pus Cells)	1 - 3/hpf		
Erythrocytes (Red Cells)	Nil		
Epithelial Cells	5 - 6/hpf	/hpf	
Amorphous Material	Nil		
Casts	Nil		
Crystals	Nil		
Bacteria	Nil		
Fungus	Nil		
Spermatozoa	Nil		

---------- End Of Report ----------

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Pacific School of Engineering
(Approved by AICTE New Delhi & Affiliated to GTU, Ahmedabad)

Ref. No.: PSE/ENGG/CERT/22/10 Date:04/04/2022

DETAIL OF CLEANER PRODUCTION PRACTICES

The Environmental Audit Scheme was introduced by the Gujarat High Court vide its orders dated 20/12/96 & 13/3/97 and modified vide order dated 16/9/99, 22/04/2010 & 23/1/2015. We are recognized by GPCB, Gandhinagar as Schedule- I Environmental Auditor for compliance of the directions of the Hon'ble High Court.

In order to study cleaner production practices, industry has approached us and thus, visits were carried out and evaluated practices of CPP for:

M/S. AARTI INDUSTRIES LIMITED,
PLOT NO. Z/103/C, DAHEJ-SEZ-II,
TALUKA: VAGRA, DIST. BHARUCH, GUJARAT.

A. BACKGROUND OF STUDY:

This study includes cleaner production practices adopted by industry. This study mainly included for following processes:

1. Phenol recovery from DCP (Di-cholorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology.
2. DCA (2,5 Di-choloroaniline) recovery from distillation residue with the use of agitated thin film evaporator (ATFE).
3. Reuse of 70% concentrated H_2SO_4 by increasing the concentration of $H_2SO_4$to 90% through series of evaporation.
4. Recovery of methanol from DCA obtained during 2, 5-DCA production.

B. Manufacturing process of DCA and DCP:

1. 2,5 DI- CHLORO ANILINE

Initially, 2, 5 Di-chloro nitrobenzene is reacted in an autoclave reactor with

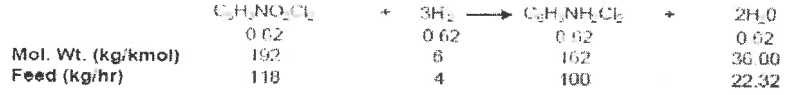
PACIFIC SCHOOL OF ENGINEERING SURAT

Plot No. 87,91,92,96, Opp. Sarthe Township
Kadodara Palsana Road, (NH-8), V. Sanki, Ta. Palsana, Surat-3943
Phone : 9979422749 | Email:emt.pse@gmail.com
Website : www.pacific-soe.ac.in

hydrogen gas in presence of metal powder catalyst to produce 2, 5 dichloro aniline. The reaction mixture contains solvent. The reaction is followed by catalyst filtration, solvent recovery, and layer separation and drying. Crude product is then subjected to flash distillation to get the pure product. Product is either sold as liquid or flakes depending on the market requirement.

Stochiometric reaction:

Di-chloro aniline:

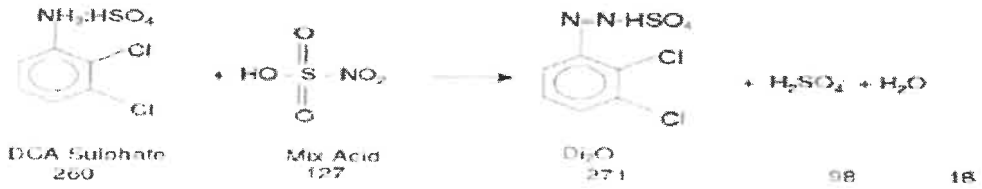


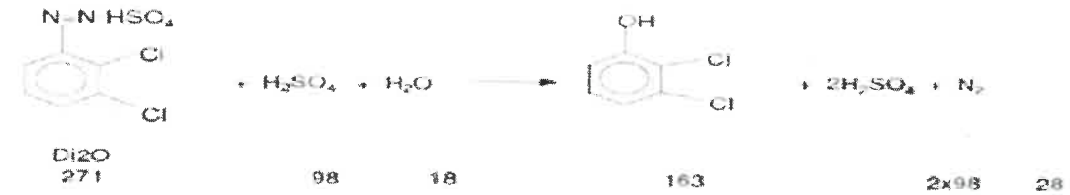
2. 2,5 DI-CHLORO PHENOL:

Di Chloro aniline reacts with sulphuric Acid to form Di Chloro aniline sulphate. Di Chloro aniline sulphate reacts with mix acid to form diazo mass. Diazo mass reacts with dilute sulphuric acid to form crude Di Chloro Phenol. This reaction will generate N_2 gas and dilute sulphuric acid.This dilute sulphuric acid will be purified and concentrated for recycle purpose. Crude Di Chloro phenol separate out and distilled to get Di Chloro Phenol.

Stochiometric reaction:

Di-chloro phenol:



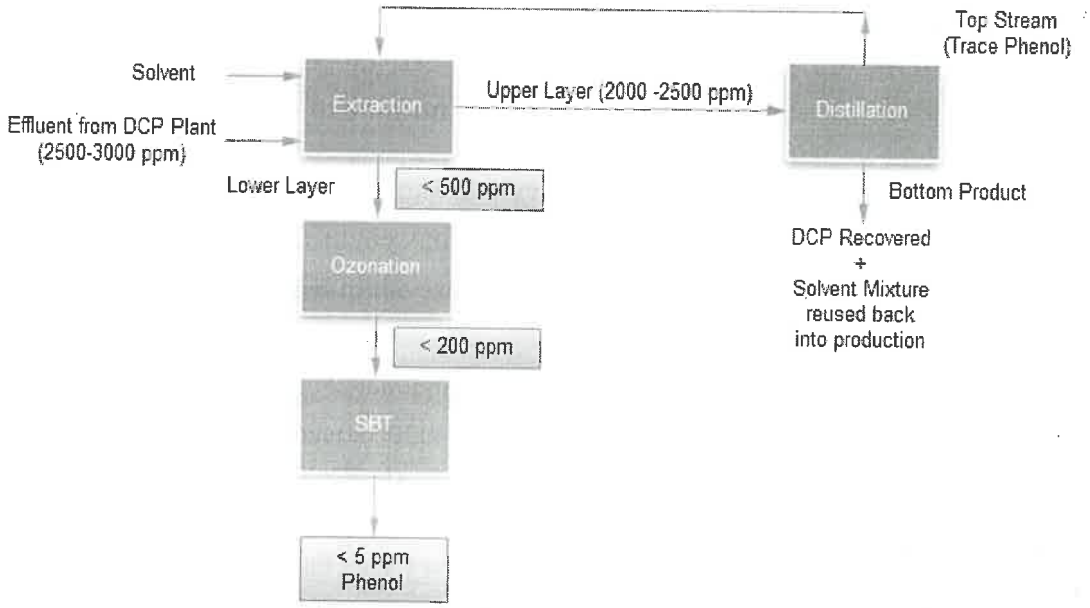


C. KEY HIGHLIGHTS OF CLEANER PRODUCTION PRACTICES:

1. Phenol recovery from DCP(Di-cholorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology

Phenol Recovery through extraction followed by distillation:

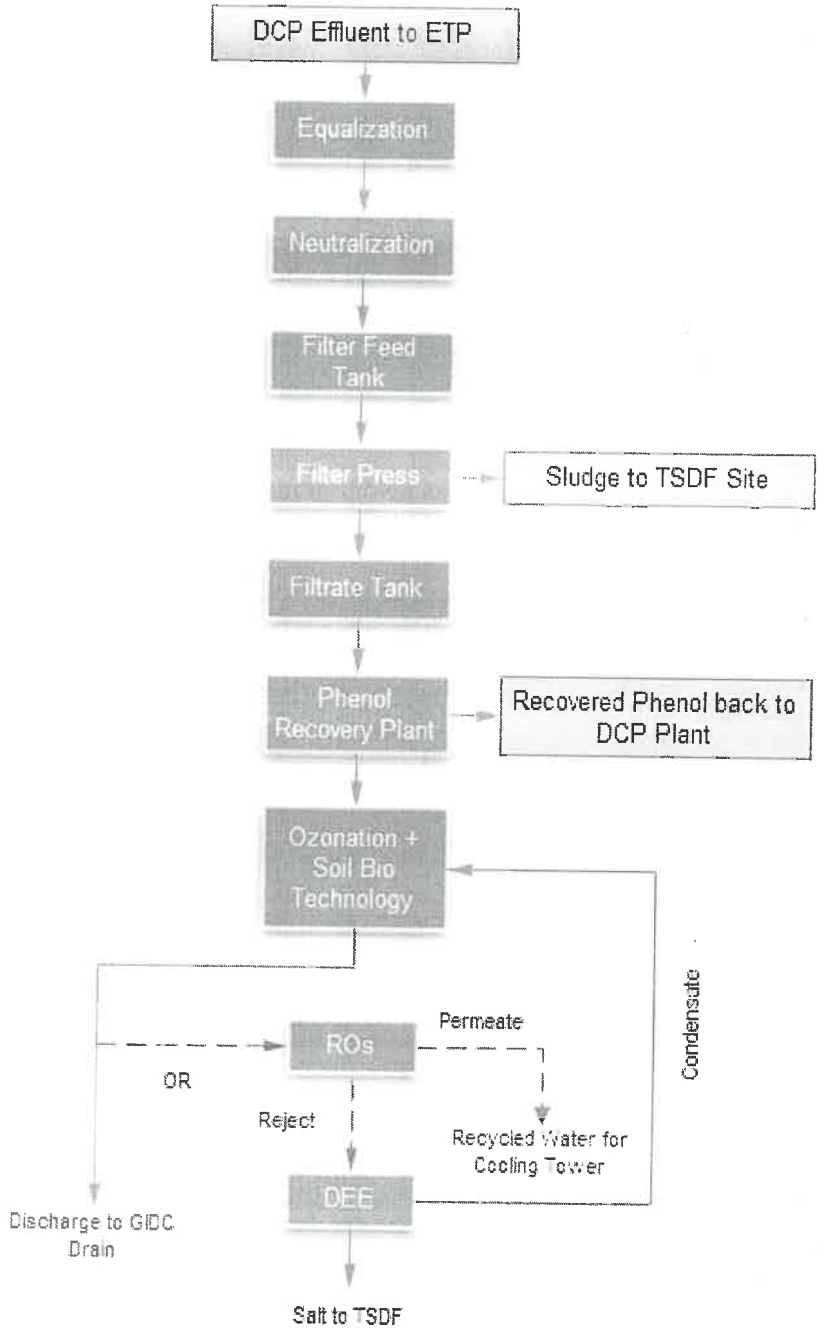
The phenol rich effluent is (2500-3000ppm) generated from the DCP (Di-cholorophenol) plant. The effluent is treated in the extraction column followed by the distillation column. The effluent is initially subjected to a distillation column to recover the phenol and bring down the phenolic content to<500ppm in the bottom of the column. The bottom of the Distillation Column i.e.recovered DCP+solvent mixture is reused back into the production. Top Stream is reused in Extraction Column.



Treatment of phenol by ozonation followed by soil-biotechnology:

Ozonation is followed by the Extraction to further reduce down the phenolic content to <200 ppm. The outlet of the ozonation chamber is subjected to SBT plant that works on biological processes where effluent passes through different stages so as to degrade the assay and breakdown of organic components. Here the effluent is subjected to a series of layers containing bio cultures attached to binding media followed by filtration systems so as to achieve the phenol content in the treated water <5 ppm.

The flowchart of effluent treatment is shown as below:

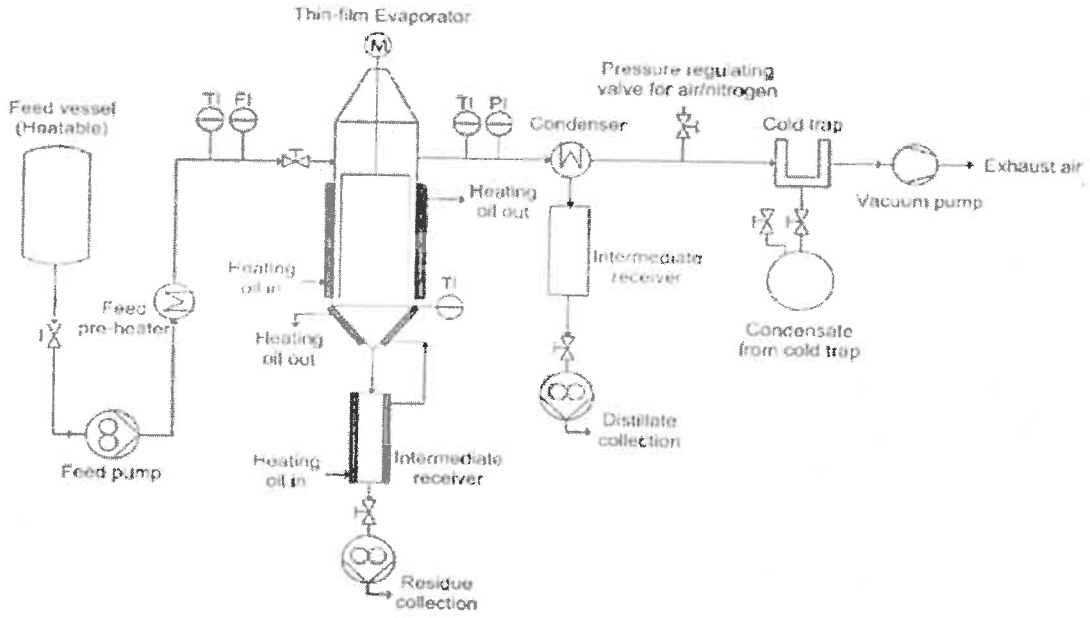


The aim of the Phenol recovery plant is to reduce the phenolic content from the DCP effluent (initial 2500-3000 ppm) by using solvent. Thus, in the vacuum distillation column followed by the atmospheric extraction column in the bottom part, they receive a 40:60 ratio as solvent: phenolic effluent. The recovered phenolic water is reused back into the process.

2. **DCA (Di-choloroaniline) recovery from distillation residue with the use agitated thin film evaporator (ATFE)**

The residue generated from distillation of crude product to obtain pure product DCA is further subjected to Agitated Thin Film Evaporator (ATFE) where product is agitated in vertical Thin Film Dryer (ATFD-V). It rotates in a precision-machined jacketed shell with desired evaporation temperature at different stages.

The feed is converted into a thin film layer which is intensely agitated due to action of the high-speed rotor. The feed material goes through phases of slurry, paste and wet powder, before coming out as a dry powder.



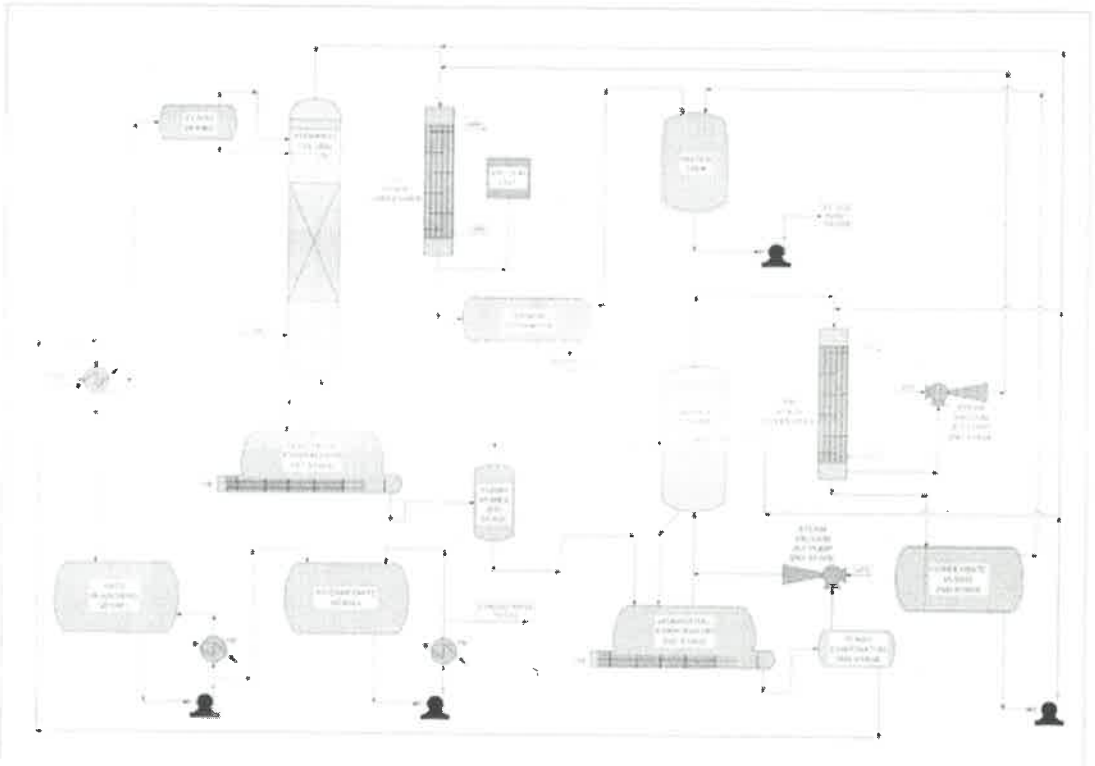
Previously distillation of crude product was done to obtain pure product DCA (Di-choloroaniline) and residue generated was disposed through hazardous waste management. After adopting this technology, they are able to recover the desired product with required purity which can be directly used in a DCP plant as a raw material. By this methodology they are able to minimize up to 70% hazardous waste residue and reduce the carbon footprint while going ahead with conservation of environment.

They use only In-house produced DCA in the manufacturing of DCP production.

3. **Reuse of 70% concentrated H_2SO_4 by increasing the concentration of H_2SO_4 by 90% through series of evaporation**

In this process the concentration of H_2SO_4 is performed by the acid concentration units in 3 stages. The 90 % H_2SO_4 is used as raw material for the production of the DCP. Thus, the acid concentration plant is implemented for the concentration of H_2SO_4 from 70% to 90 %.

The Acid is fed into a flash vessel to stripping column where the mass is evaporated in 1st stage Evaporator. In this process the acid is concentrated by 80% from 70%. The 10% evaporation loss consists of organic contains which is recycled back in DCP (Di-cholorophenol) plant as well as aqueous contains which is reused back in the steam generation unit.



The 80% concentrated acid is transferred to the 2nd stage flash vessel where again it is evaporated in 2nd stage evaporator system. The Acid is concentrated up to 90% in this stage. The evaporated mass passed by the quenching column via 3rd stage condenser system. The condensed water is used back in the steam generation unit.

In the 3rd stage the 90% H_2SO_4 is concentrated to 91-92% in the 3rd stage Vessel. The concentrated mass is transferred to the bleaching vessel by H_2O_2 in the intermediate vessel. The heating temperature in the flashing evaporator reaches 180°C. Where

the heat is used back in the initial flash vessel 1st phase process using the high temperature H_2SO_4 back in flash vessel 1st stage, the concentrated acid is sent for bleaching by H_2O_2 in bleaching vessel for the acid purity up to 90%.

In the NSA plant at stage-I, 70% concentrated H_2SO_4 is fed in the column where top Column temperature is approx 110°C where H_2O & DCP (1400-1500 ppm) vapor is generated and at the bottom of the column 80%-85% Concentrated H_2SO_4 is collected which is transferred to the Stage-II.

In Stage II 80-85% Concentrated H_2SO_4 is fed in the column where top column temperature is approx 60°C where the H_2O Vapor is generated and at the bottom of the column is 88% - 90% Concentrated H_2SO_4 is collected which was transferred to the Stage-III.

In Stage III 88%-90% Concentrated H_2SO_4 is fed in the column where Moisture Stripper is available to absorb the moisture and the bottom column is 90% - 92% Concentrated H_2SO_4 is collected which is transferred to the tank farm 1

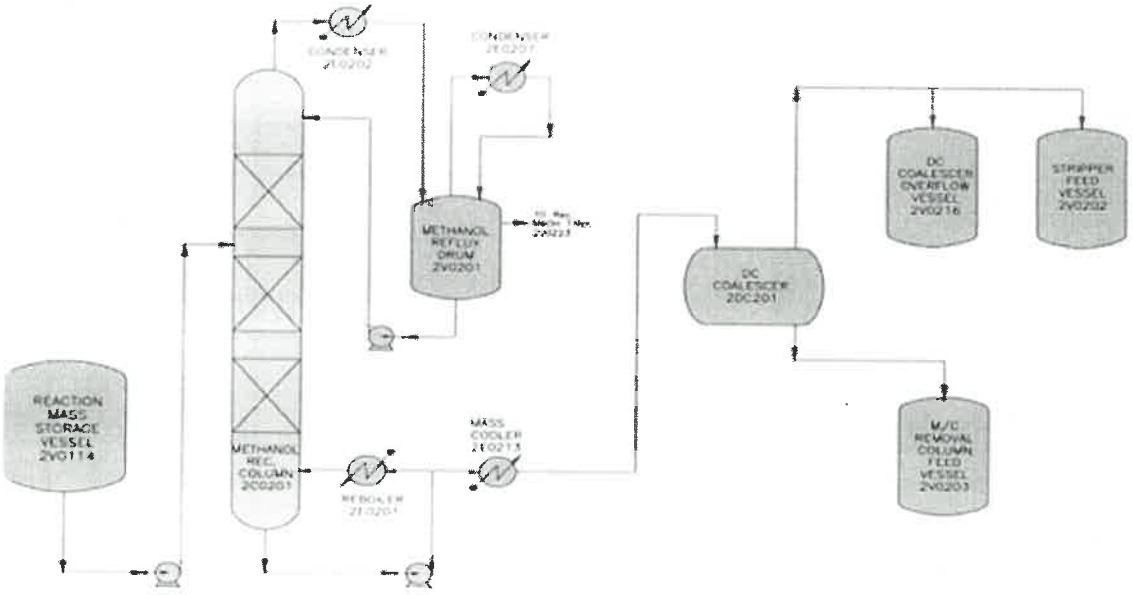
In this process, no emission was their whole process is in the close loop and the 90% - 92% Concentrated H_2SO_4 is further stored in the tank farm 1 whereas the H_2O collected in Stage I & II is also utilized in the plant for the Steam Generation and generated steam is returned to the DCP plant.

The Overall process is a continuous process in which it divided in two parts such as DCP crude product manufacturing (the fresh acid was consumed in this unit till the recovery process is started in SAC plant) and second is sulphuric acid concentration as a recovery of acid (SAC plant).

Only in the initial phase start-up of the process is required 2.98 Kg/Kg fresh H_2SO_4 is required to manufacture DCP crude (fresh consumption is up to 24 hours for the starting of the initial process). Afterward, the recovering process of Acid is started which is a continuous process, and in the end, the acid product is 90% H_2SO_4 which is a finished product.

4. Recovery of methanol from DCA obtained during 2,5-DCA production

Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is given as below:



Recovery of methanol from crude product (i.e., mixture of 2, 5 - DCA, methanol and water) is achieved by continuous distillation. In the distillation column, separation of components happens due to relative volatility. Here, a packed column is used for the recovery of methanol because it results in less pressure drop and the material separated is heat sensitive. The column is operated at atmospheric pressure. Methanol is obtained from distillate and collected in recovery vessel for further use in process.

The reaction mass storage vessel (2V0114) consists of solvent as media which is separated for the methanol recovery by distillation process in methanol recovery column (2C0201). To maintain the temperature as well as vapor equilibrium in the column further the methanol reflux process is done in the methanol reflux column via condenser system. The remaining methanol is transferred back to the recovered methanol recovery vessel.

The bottom product is processed for further separation units. Bottom of the distillation column is fed to DC Coalescer (Separation on different conductivity). It's a gravity settler work on basis of specific gravity and conductivity and separates two immiscible liquids into two separate layers. Water layer or top layer is separated and the bottom product is fed to the moisture removal column.

In the moisture removal column, material is dried as per product specifications. A continuous vacuum is maintained inside the column by means of a Liquid ring Vacuum System. Material is circulated through a heat exchanger. As pressure decreases in the drier boiling point of water is reduced and removed through condensers. The final product is obtained from the bottom of the column and stored in a specific storage tank.

D. Product recovery, reduction in effluent and hazardous waste generation:

Phenol + DCP mixture Recovery (expected at full capacity)		
1.	Phenol recovery, kg/Day	6600 Kg/Day
2.	Effluent reduction, kg/Day	6600 Kg/Day
DCA Recovery (expected at full capacity)		
1.	DCA recovery, kg/Day	1968 kg
2.	Residue reduction, kg/Day	1968 kg
Concentration increment in Sulfuric acid (from 70% to 90%) -		
1.	Saving of H_2SO_4 (against fresh consumption)	327 KL/Day
2	% Saving of fresh H_2SO_4 consumption	100%
2.	Acid reduction (for disposal), kL/Day	327 KL/Day
Methanol Recovery		
1.	Methanol recovery, kL/Day	5.99 KL/Day
2.	Effluent reduction, kL/Day	5.99 KL/Day

E. Conclusion of the study:

1. Out of total 180 kL/day effluent generation in a DCP production, the major COD contributing component, i.e., phenol recovered in the tune of 6.6 kL/day. Thus, 6.6 kL/day effluent load reduces and subsequently COD load is reducing.
2. DCA production resulting to generation of 5.04 MT residue as a hazardous waste. With the introduction of ATFE, 2.5 MT DCA recovered. Thus, 2.5 MT hazardous waste generation reduced. Now, industry has to dispose of 2.54 MT hazardous waste instead of 5.04 MT waste.
3. Industry is recovering 446.3 kL/day concentrated Sulphuric acid (70%) from DCP production. With the use of series of evaporation system, concentration of sulfuric acid increases to 90% and reutilized for the process. Thus, industry has reduced fresh consumption of 90% sulfuric acid (357 kL/day). Out of total 357 kL 90% sulfuric acid, 323 kL utilized for process and 34 kL sell to market.
4. In the manufacturing of DCA, generation of waste stream (12.398 kL/day) consist of mainly methanol. The methanol recovered in the tune of 5.998 kL/day and rest of (6.4 kL/day) treated in existing ETP. Industry is in process to recover traces of methanol from 6.4 kL/day waste stream.

NOTE: Conclusions are based on the detail provided by industry representative. The basis for certain calculations were done at 100 % operational capacity of products.

Date: 04/04/2022

Dr. Y. C. Rotliwala (Principal)	**Dr. Yogesh Rotliwala** **Ph.D. (Chemical Engg.), Chemical Engineer**	
	Dr. Hiral Tailor **Ph.D. (Chemistry), Chemist**	
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	Ms. Nidhi Halbe **M.E. (Env.Engg.), Environmental Engineer**	

PACIFIC SCHOOL OF ENGINEERING SURAT

PRAKASH K. MAJMUDAR
MEMBER SECRETARY
SEIAA (GUJARAT)

सत्यमेव जयते

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY GUJARAT

No. SEIAA/GUJ/EC/5(f)/ 192 /2023 **Date: 14 FEB 2023** By R P A D **Time Limit**

Sub: Environment Clearance to M/s. Aarti Industries Ltd (Unit II). for setting of expansion of manufacturing plant of 'Synthetic Organic Chemicals' at Plot No. Z/103/C, GIDC Notified Industrial Estate, SEZ-II, Dahej-392130, Taluka Vagra, Dist. Bharuch. In Category 5(f) of Schedule annexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ/IND3/68290/2017.

Dear Sir,

This has reference to your application along with EIA report dated 08/**03/2022** submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance to **M/s. Aarti Industries Ltd (Unit II). for setting of expansion of manufacturing plant of 'Synthetic Organic Chemicals' at Plot No. Z/103/C, GIDC Notified Industrial Estate, SEZ-II, Dahej-392130, Taluka Vagra, Dist. Bharuch.** It is **an existing** unit for manufacturing following products, which falls in the category - 5(f) of the schedule of the EIA Notification-2006:

Sr. No.	Product Name	CAS No.	Quantity in MT/Annum				End Use of Product
			As per Existing EC	As Per CCA Amendment No. AWH-113931 & AWH-113932	Proposed Change / Additional	Total After Expansion	
A	**Organic Chemicals**						
I	**Hydrogenation Products & their derivatives (43200 MT/Annum)**						
1.	2,5 Di Chloro Aniline (2,5 DCA) And/Or	95-82-9	21780	21780	21420	43200	Dyes, Dye intermediates, Basic pharma intermediates, Pigments, Polymer
2.	2,5 Di Chloro Aniline (Crude) (2,5 DCA) And/Or	95-82-9	0				
3.	3,4 Di Chloro Aniline (3,4 DCA) And/Or	95-76-1					
4.	3,4 Di Chloro Aniline (Crude) (3,4 DCA) And/Or	95-76-1					
5.	3,5 Di Chloro Aniline (3,5 DCA) And/Or	626-43-7					
6.	3,5 Di Chloro Aniline (Crude) (3,5 DCA) And/Or	626-43-7					
7.	Para Chloro Aniline (PCA) Either/Or	106-47-8					
8.	Para Chloro Aniline (Crude) (PCA) And/Or	106-47-8					
9.	2,4,5 Tri Chloro Aniline (2,4,5 TCA) And/Or	636-30-6					
10.	2,4,5 Tri Chloro Aniline (Crude) (2,4,5 TCA) And/Or	636-30-6					
11.	2,4 Di Chloro Aniline (2,4 DCA)/2,6 Di Chloro Aniline (2,6 DCA) And/Or	554-00-7/ 608-31-1					

12.	Mixture Di Chloro Aniline And/Or	Multiple 554-00-7 & 95-82-9 & 608-31-1					
13.	2,4 Di Chloro Aniline (2,4 DCA) (Crude)/2,6 Di Chloro Aniline (Crude) (2,6 DCA) And/Or	554-00-7/ 608-31-1		0	43200		
14.	3-Chloro Ortho Toluidine (3-COT) And/Or	87-60-5					
15.	3-Chloro Ortho Toluidine (Crude) (3-COT)	87-60-5					
II	**Diazotization Products & their derivatives (22380 MT/Annum)**						
1)	2,5 Di Chloro Phenol (2,5 DCP) And/Or	583-78-8	18000	15600	4380	19980	Di chloro phenols are used as intermediates in the manufacture of more complex chemical compounds. It will be used as a raw material for chemical intermediate.
2)	2,3 Di Chloro Phenol (2,3 DCP) And/Or	576-24-9	0				
3)	Crude of 2,5/2,3 DCP	583-78-8/ 576-24-9	0	0	19980		
4)	3,5 Di Chloro Nitro Benzene (3,5 DCNB) And/Or	618-62-2	0	2400	0	2400	Dyes, Dye intermediates, Basic pharma intermediates, Pigments, Polymer
5)	Crude of 3,5 Di Chloro Nitro Benzene	618-62-2	0	0	2400		
A	**Total of Organic Chemicals (A)**		**39780**	**39780**	**25800**	**65580**	
B	**Inorganic Chemicals**						
1)	25-40 % Nitrosyl Sulphuric Acid	7782-78-7	17640	70620	13380	84000	Used in organic chemistry to prepare diazonium salts from amines
2)	Sulphuric Acid (Above 90% Concentration)	7664-93-9	28200	31320	56592	87912	Used in chemical industry for production of basic synthetic organic chemicals
B	**Total of Inorganic Chemicals (B)**		**45840**	**101940**	**69972**	**171912**	
A+B	**Total of Organic and Inorganic Chemicals**		**85620**	**141720**	**95772**	**237492**	

The project activity is covered in 5(f) and is of 'B' Category. Since, the proposed project is located in notified industrial area, public consultation is not required as per paragraph 7(i) (III) (i) (b) of the Environment Impact Assessment Notification-2006.

The SEAC, Gujarat vide their letter dated 23**/01/2023** had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on 19**/12/2022**. The proposal was considered by SEIAA, Gujarat in its meeting held on 06**/02/2023** at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following conditions.

A.CONDITIONS :

A.1SPECIFIC CONDITION :

1. Unit shall install CEMS **[Continuous Emission Monitoring System]** in line to CPCB directions to all SPCB vide letter no. B-29016/04/06PCI-1/5401 dated 05/02/2014 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB/CPCB on real time basis. **[For Small/Large/Medium (Red Category) & Whichever (Air emission & Effluent discharge) is applicable].**
2. Close loop solvent recovery system with adequate condenser system shall be provided to recover solvent vapours in such

a manner that recovery shall be maximum and recovered solvent shall be reused in the process within premises.

3. Leak Detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR Logbooks shall be maintained.
4. The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16th November, 2009 shall be complied with.
5. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G. S. R. 608 (E) dated 21/07/2010 and amended from time to time shall be followed.
6. Unit shall have to adhere to the prevailing area specific policies of GPCB with respect to the discharge of pollutants, and shall carry out the project development in accordance & consistence with the same.
7. All measures shall be taken to avoid soil and ground water contamination within premises.
8. **Safety & Health:**
   a. PP shall obtain PESO permission for the storage and handling of hazardous chemicals.
   b. PP shall provide Occupational Health Centre (OHC) as per the provisions under the Gujarat Factories Rule 68-U.
   c. PP shall obtain fire safety certificate / Fire No-Objection certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
   d. Unit shall adopt functional operations/process automation system including emergency response to eliminate risk associated with the hazardous processes.
   e. PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.
   f. PP shall install adequate fire hydrant system with foam trolley attachment within premises and separate storage of water for the same shall be ensured by PP.
   g. PP shall take all the necessary steps for control of storage hazards within premises ensuring incompatibility of storage raw material and ensure the storage keeping safe distance as per the prevailing guidelines of the concerned authority.
   h. PP shall take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker/employee or labour within premises.
   i. Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.
   j. Unit shall provide effective Isolation for Process area and storage of hazardous chemicals.
   k. Unit shall provide water sprinkler to the ammonia storage cylinder.
   l. Unit shall never store drum/barrels/carboys of incompatible material/chemical together.
   m. Unit shall provide effective fire hydrants, water monitors & foam application system at solvent storage area and unit shall provide adequate safety system such as water sprinklers, water curtains, foam pouring system etc. to restrict cascade fire emergency in solvent storage area.
   n. Unit shall provide effective Isolation for Process area and storage of hazardous chemicals.

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A. 2 WATER :

9. Total water requirement for the project shall not exceed 2433 KLD. Unit shall reuse 438 KLD of treated industrial effluent within premises. Hence, fresh water requirement shall not exceed 1995 KLD and it shall be met through GIDC water supply only. Prior permission from concerned authority for withdrawal of water shall be obtained.
10. The industrial effluent generation from the project shall not exceed 359 KLD after expansion.
11. Management of Industrial effluent shall be as under after expansion:
    - 255 KLD effluent generated (197 KLD from Process, 25 KLD from Scrubbers and 33 KLD from washing) shall be treated into in-house ETP plants (ETP - 1 & ETP - 2) and shall be taken into tertiary ETP.
    - 193 KLD effluent (164 KLD from Cooling Blow Down and 29 KLD from Boiler Blow Down) shall be treated into in-house ETP plant (ETP - and RO plant. RO reject (104 KLD) and shall be treated in tertiary treatment.
    - **Thus total 359 KLD treated Effluent shall be discharge into CETP- Dahej after complying with the inlet norms of CETP prescribed by GPCB and ultimately disposal in to the sea through GIDC drainage pipeline.**
12. Domestic wastewater generation shall not exceed 57 KL/day for proposed project and it shall be treated in STP. It shall not be disposed off into soak pit. Treated sewage shall be utilized for gardening and plantation purpose within premises after achieving on-land discharge norms prescribed by the GPCB.
13. During monsoon season when treated sewage may not be required for the plantation / Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case.
14. Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.
15. Unit shall discharge wastewater to CETP only after complying with norms prescribed by GPCB in order to achieve no adverse impacts on Environment and Human Health.
16. The PP shall ensure to dispose off Waste water to the Common Facilities having valid CTO of GPCB.
17. Treated waste water shall be sent to CETP- Dahej only after complying with the inlet norms of common facilities prescribed by GPCB to ensure no adverse impact on Human Health and Environment.
18. The unit shall provide metering facility at the inlet and outlet of ETP and maintain records for the same.

19. Proper logbooks of ETP; reuse/ recycle of treated/ untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.

A.3AIR:

20. Unit shall not exceed fuel consumption for Steam Boilers and D G Sets as mentioned below.

Sr. No.	Stack Attached to	Stack Height in meter	Fuel Consumption	Air Pollution Control System
Existing				
1	D.G. Set (3 Nos.) Capacity: 2000 KVA each	33	Diesel 1800 L/Hr	Stack with 33 m Height
Proposed Additional Total				
1	D.G. Set (1 Nos.) Capacity: 2000 KVA each	33	HSD 600 L/Hr	Stack with 33 m Height
2	D.G. Set (2 Nos.) Capacity: 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 m Height
3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubber (Lime Dosing along with coal) + ESP
Total After Proposed Expansion				
1	D.G. Set (4 Nos.) Capacity: 2000 KVA each	33	HSD 2400 L/Hr	Stack with 33 m Height
2	D.G. Set (2 Nos.) Capacity: 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 m Height
3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubber (Lime Dosing along with coal) + ESP
Note: At present, 30 TPH steam is being taken from M/s. Aarti Industries Limited (Unit-I), SEZ-II, Dahej (ID: 41201) and after proposed expansion 70 TPH steam shall be taken from sister concern unit M/s. Aarti Industries Limited (Unit-I), SEZ-II, Dahej (ID: 41201)				

21. Unit shall provide adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.

22. Unit shall provide adequate APCM with process gas generation sources as mentioned below.

Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
Existing As per CCA- AWH -113931					
1	Scrubber connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	30	Alkali scrubber	SO_2 Acid mist/Sulphur trioxide (For Plant Capacity per 100% Concentration of Sulphuric acid (<300 Tone/Day)	1250 mg/nm^3 (2 kg/MT of 100% conc. acid production) 70 mg/Nm3
2	Scrubber connected to NSA	11	Alkali scrubber	SO_2	40 Mg/Nm^3
3	Scrubber connected to DCP	11	Alkali scrubber	NO_X	25 Mg/Nm^3
4	Scrubber connected to tanks	11	Alkali scrubber	VOC	--
5	Scrubber connected to tanks	11	Alkali scrubber	VOC	--
6	Common Alkali scrubber for SO2 Tank farm	11	Alkali scrubber	SO2	40 mg/Nm3
7	DCA Plant vacuum pump storage tank	11	Water Scrubber	VOC	--
8	HNO3 Tank	11	3 stage Lime Scrubber	NOx	25 Mg/Nm^3
9	Liq SO3 and 25% Oleum tank	11	Acid Scrubber	SO2	40 mg/Nm3
10	Sulphuric Acid Concentration Plan (SAC)	11	Alkali spray Scrubber	SO2 VOC	40 mg/Nm3 --

11	DCP Plant: DCA Sulphate Vent	11	Venturi water scrubber	SO2 VOC	40 mg/Nm3 --
Proposed Total After Expansion					
1	Scrubber connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	30 (Common stack)	Alkali scrubber	SO_2 Acid mist/Sulphur trioxide (For Plant Capacity per 100% Concentration of Sulphuric acid (<300 Tone/Day)	1250 mg/nm^3 (2 kg/MT of 100% conc. acid production) 70 mg/Nm3
2	Scrubber connected to NSA		Alkali scrubber	SO_2	40 Mg/Nm^3
3	Scrubber connected to DCP	11	Alkali scrubber	NO_X	25 Mg/Nm^3
4	Scrubber connected to tanks	11	Alkali scrubber	VOC	--
5	Scrubber connected to tanks	11	Alkali scrubber	VOC	--
6	Common Alkali scrubber for SO2 Tank farm	11	Alkali scrubber	SO2	40 mg/Nm3
7	DCA Plant vacuum pump storage tank	11	Water Scrubber	VOC	--
8	HNO3 Tank Farm	11	3 Stage Alkali Scrubber	NOx	25 Mg/Nm^3
9	Liq SO3 and 25% Oleum tank	11	Acid Scrubber	SO2	40 mg/Nm3
10	Sulphuric Acid Concentration Plan (SAC)	11	Alkali spray Scrubber	SO2 VOC	40 mg/Nm3 --
11	DCP Plant: DCA Sulphate Vent	11	Ventury water scrubber	SO2 VOC	40 mg/Nm3 --
12	DCP Drum Filling Scrubber	11	Alkali Scrubber	VOC	--

23. PP shall use approved fuels only as fuel in boilers and D.G.Set.
24. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety& Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.
    - Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.
    - Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
    - A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.
25. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
26. For control of fugitive emission, VOCs, following steps shall be followed :
    a. Closed handling and charging system shall be provided for chemicals.
    b. Reflux condenser shall be provided over Reactors / Vessels.
    c. Pumps shall be provided with mechanical seals to prevent leakages.
    d. Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.
27. Solvent management shall be carried out as follows:
    - ✓ Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system
    - ✓ Reactor shall be connected to adequate chilling system to condensate solvent vapors and reduce solvent losses.
    - ✓ Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
    - ✓ The condensers shall be provided with sufficient HTA and residence time so as to achieve maximum solvent recovery.
    - ✓ Solvents shall be stored in a separate space specified with all safety measures.
    - ✓ Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
    - ✓ Solvent storage and handling area shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
28. Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx, and VOCs shall be carried out in the impact

zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

A.4 SOLID / HAZARDOUS WASTE:

29. All the hazardous/ solid waste management shall be taken care as mentioned below.

Sr. No.	Name of Hazardous Waste	Category	Source of Waste Generation	Quantity in MT/Year Except for Batteries in Nos.				Hazardous Waste Disposal & Management Facility
				Existing As per EC	Existing As Per CCA	Proposed Change / Additional	Total After EC Expansion	
1.	ETP Waste	35.3	From ETP	4800	4800	3376	8176	Collection, Storage, Transportation and Disposal to TSDF/Co-processing.
2.	Distillation Residue	26.1	From Process	4200	4074.48	6045.52	10120	Collection, Storage, Transportation Disposal at CHWIF/Pre-processing/Co-processing.
3.	Gypsum	B2080	-	7200	7200	-7200	0	NA Discontinue
4.	Sulphur Sludge	B2040	From Process	84	84	488	572	Collection, Storage, Transportation, Disposal at TSDF/CHWIF/Co-processing.
5.	Discarded Containers/Bags	33.1	From Plant	Whatsoever Generated	Whatsoever Generated	100	100	Collection, Storage, Decontamination, Transportation, Disposal by sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/Containers to TSDF/CHWIF/Pre-processing/Co-processing.
6.	Used Oil	5.1	From Plant	6	6	24	30	Collection, Storage, Transportation, Disposal by selling to registered reprocessors.
7.	Insulation waste	S1	From Plant	Whatsoever Generated	Whatsoever Generated	40	40	Collection, Storage, Transportation, Disposal by at TSDF Site
8.	No recyclable plastic waste/PPE Waste/Bags/ Cotton Waste	S4	From Plant	25	25	35	60	Collection, Storage, Decontamination, Transportation, Disposal by sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/Containers to TSDF/CHWIF/Pre-processing/Co-processing.
9.	Spent Carbon	36.2	From Process	60	60	60	120	Collection, Storage, Transportation, sent for co-processing/Pre-processing/TSDF/CHWIF
10.	Spent Catalyst	I-26.5	From Process	3.6	3.6	13.68	17.28	Collection, Storage, Transportation sent for regeneration and recycled back or Disposal to TSDF
11.	MEE/ DEE/ATFD Salt (Sodium Sulphate)	35.3	From Process	1260	1260	565	1825	Collection, Storage, Transportation & sold to authorized actual end users having Rule 9 permission or TSDF.

12.	Spent Sulphuric Acid	B-15 Schedule-II	From Process	0	0	12745	12745	Collection, Storage, Transportation & sold to authorized actual end users having Rule 9 permission or use internally as raw material.
13.	Spent Sulphuric Acid	26.3	From Process	0	0	110568	110568	Reception, Storage, Transportation utilization internally as raw material.
14.	Spent Resin	35.2	From Process	0	0	5	5	Collection, Storage, Transportation, sent for co-processing/ Pre-processing /TSDF/ CHWIF
15.	RO Membrane/ Cartridge Filter	36.2	From RO Unit	0	5	5	10	Collection, Storage, Transportation disposal by at TSDF Site
16.	Filter Cloths	36.2	From Unit	0	5	5	10	Collection, Storage, Transportation disposal by at TSDF/CHWIF.
17.	Cotton Waste	33.2	From Unit	1	1	4	5	Collection, Storage, Transportation, disposal at TSDF/CHWIF
18.	Glass Wastes	S7	From Plant	2	2	3	5	Collection, Storage, Transportation, disposal / sold to scrap processors
19.	PPE Waste	33.2	From Plant	0	0	40	40	Collection,Storage,Transportation,and disposal at Common TSDF OR CHWIF

30. Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.
31. Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of Incinerable & land fillable wastes before sending to CHWIF & TSDF sites respectively.
32. The project proponent has to obtain membership of TSDF site & CHWIF before obtaining CTO of GPCB.
33. The unit shall submit the list of authorized end users of hazardous wastes along with MoU signed with them at least two months in advance prior to the commencement of production. In the absence of potential buyers of these items, the unit shall restrict the production of the respective items.

A. 5OTHER:

34. The project proponent shall carry out the activities of amount of Rs. 0.87 Crores (Funds for Environment & Renewable energy resources, Health & Hygiene) proposed under CER and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.
35. All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. ENPRO Enviro Tech and Engineers Pvt. Ltd. and submitted by the project proponent and commitments made during presentation before SEAC and proposed In the EIA report shall be strictly adhered to in letter and spirit.

B.GENERAL CONDITIONS:

B.1 CONSTRUCTION PHASE:

36. Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.
37. Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.
38. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
39. First Aid Box shall be made readily available in adequate quantity at all the times.
40. The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.
41. Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the

ambient air and noise quality shall be closely monitored during construction phase.

42. Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.
43. Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.
44. All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.
45. Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.
46. Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete [RMC] and lead free paints in the project.
47. Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.
48. "Wind – breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. Individual building within the project site shall also be provided with barricades.
49. "No uncovered vehicles carrying construction material and waste shall be permitted."
50. "No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured."
51. Roads leading to or at construction site must be paved and blacktopped (i.e. – metallic roads).
52. No excavation of soil shall be carried out without adequate dust mitigation measures in place.
53. Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.
54. Grinding and cutting of building materials in open area shall be prohibited.
55. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
56. Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable).

B.2 OPERATION PHASE:

B.2.1 WATER:

57. The water meter shall be installed and records of daily and monthly water consumption shall be maintained.
58. All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.

B.2.2 AIR:

59. In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.
60. Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.
61. Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.
62. Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.
63. All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission.

B.2.3 HAZARDOUS/SOLID WASTE:

64. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
65. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
66. The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)
67. Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.
68. The design of the Trucks/tankers shall be such that there is no spillage during transportation
69. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.
70. Management of fly ash (If any) shall be as per the Fly ash Notification 2009 & its amendment time to time and it shall be

ensured that there is 100% utilization of fly ash to be generated from the unit.

B.2.4 SAFETY:

71. The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963
72. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
73. Main entry and exit shall be separate and clearly marked in the facility.
74. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.
75. Storage of flammable chemicals shall be sufficiently away from the production area.
76. Sufficient number of fire extinguishers shall be provided near the plant and storage area.
77. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
78. All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.
79. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.
80. Only flame proof electrical fittings shall be provided in the plant premises.
81. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.
82. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.
83. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
84. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.
85. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
86. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
87. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
88. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
89. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
90. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.
91. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.

B.2.5 NOISE:

92. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

93. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.
94. The company shall undertake various waste minimization measures such as :
    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 materials substitutes.
    c. Use of automated and close filling to minimize spillages.
    d. Use of close feed system into batch reactors.
    e. Venting equipment through vapour recovery system.
    f. Use of high pressure hoses for cleaning to reduce wastewater generation.
    g. Recycling of washes to subsequent batches.
    h. Recycling of steam condensate.
    i. Sweeping / mopping of floor instead of floor washing to avoid effluent generation.

j. Regular preventive maintenance for avoiding leakage, spillage etc.

B.2.7 GREEN BELT AND OTHER PLANTATION:

95. The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.
96. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.
97. The PP shall develop green belt within premises ((Greenbelt within premises: 10367.85m2 (18.92 %) + Boundary Side Greenbelt: 2120.84 m2 (3.86 %), Out side Greenbelt: (In Luvara village located at 0.9 km from the Project site): 5700 m2 (10.22 %) i.e Total: 18188.69 m2 (33.18 %) of the total plot area) as per the undertaking submitted before SEAC. Green belt shall be developed with native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB.

B.3 OTHER CONDITION:

98. **Project Proponent shall provide mechanism/ System for wastewater stream segregation at source and strictly follow up to treatment and final disposal of the same if applicable.**
99. The projects covered under category 5(f) shall undergo the safety and environment audit regularly as per the standards laid down by the GPCB and CPCB.
100. PP shall carry out the safety audit and Risk Assessment Report as per the prevailing guidelines of safety.
101. Management of Fly Ash shall be as per the Fly Ash Notification 2009 & its amendment from time to time and it shall be ensured that there is 100 % utilization of fly ash to be generated from the unit.
102. EMP should invariably include provisions for environmental Monitoring and measures for noise pollution control measures.
103. In EMP proponent should seperately indicate majors of occupational health, fire and safety measures.
104. Prior EC is granted is subject to the proponent receiving all statutory permission / clearances / certificates and membership of respective agencies / authorities which ever applicable. Proponent shall inform progress from time to time, in monthly compliance report to MOEFCC / SEIAA / SEAC/ GPCBfailing to which this provisional EC will stand withdrawn.
105. Wherever waste water or chemical water to be collected by tankers and transported to CETP etc. any diversion and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law.
106. All transport movement by tankers etc has to be done with maintenance of gate pass and logbook it should be verified by the inspecting authorities.
107. Non-hazardous waste data shall be informed to GPCB time to time so as to make an assessment and tie-up with industry for generating sustainable power from the waste.
108. All chemical pharma industry etc. should ensure predictive and preventive maintenance of factory / boiler and reactive show as to avoid incident of fire and safety hazards.
109. EMP should include STP and detail cost including maintenance, transportation of waste water to CETP / CMEE etc as well as transportation cost or transit cost.
110. In LDAR preventive and predictive maintenance plan.
111. In LDAR leakage component, source of equipment leak, detention method should be given in table form.
112. In storage component should be shown separately in terms whether inflammable, toxic, corrosive, reactive etc.
113. In case of Fly Ash generation its management and disposal should be as per Government of India Notification and 100 % utilization should be ensured.
114. Project proponent shall install all environment management systems as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.
115. Project proponent shall display the copy of Environment Clearance at the site prominently.
116. Project proponent shall prepare and follow regular and preventive maintenance plan. The copy of same shall be submitted to SEIAA.
117. Project Proponent will have to display the safety procedure in working area.
118. The project proponent shall obtain all required permissions for safety, health and fire from competent authorities like PESO/Fire Authority etc. and intimate SEIAA.
119. Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP / TSDF / CHWIF / CMEE / Common Spray Dryer as the case may be.
120. Extra care will be taken by PP to avoid any accidental blast in boiler, reactor or any machinery in the plant.
121. Environment monitoring, training and disaster management plan should be undertaken and complied at regular interval.
122. Integrated Regional Office of MoEF&CC,Gandhinagar and GPCB will monitor all environment, safety & health norms as per the prevailing rules.
123. The PP has to maintain the logsheets / registers / manifest / gate pass for discharge through tankers and SCADA system for pipeline discharge for the waste water generation and its disposal data and submit to the GPCB every quarter. GPCB

shall verify the same on regular basis and inform SEIAA and take leagal action in the cases of non compliance.

124. Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no. XX).
125. The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.
126. Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.
127. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.
128. Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.
129. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
130. All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.
131. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.
132. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
133. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
134. During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
135. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
136. Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.
137. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
138. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act,1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
139. The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.
140. The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.
141. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
142. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
143. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
144. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
145. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
146. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found

satisfactory.

147. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.

148. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

149. This environmental clearance is valid for Ten years from the date of issue.

150. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

151. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.

B.4 COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION/APPEAL:

152. Project proponent shall submit Certified Compliance Report of IRO, Gandhinagar for Existing EC obtained Within 10 days.

153. Project proponent shall inform to all the concerned authorities including Municipal Corporation and District Collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.

154. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

155. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.

156. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

157. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the Environment Clearance accorded.

158. Any person including the project proponent affected by this Environment Clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.

159. All complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagj@gmail.com& (b) seacgujarat@gmail.com

(PRAKASH K. MAJMUDAR)
Member Secretary

Issued to:
M/s. Aarti Industries Ltd (Unit II).
Plot No. Z/103/C, GIDC Notified Industrial Estate, SEZ-II, Dahej-392130,
Taluka Vagra, Dist. Bharuch

Copy to:-

1. The Secretary, SEAC, C/O. G.P.C.B. Gandhinagar - 382010.
2. The Additional Chief Secretary, Forests & Environment Department, Govt. of Gujarat, Block 14, 8th floor, Sachivalaya, Gandhinagar-382010.
3. The Chairman, Central Pollution Control Board , Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
4. Scientist C, Integrated Regional Office, Ministry of Environment and Forests, Aranya Bhavan, Sector-10, Gandhinagar – 382010.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
6. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010
7. Select File

Signature Not Verified
Digitally signed by Shri Prakash K. Majmudar
Member Secretary
Date: 2023.02.15 10:30 AM

ANNEXURE

Compliance of EMP Conditions

Sr. No.	Conditions	Compliance
Construction Phase		
i	**Site Preparation**	
1	Uplift of dust during the excavation, leveling operations etc. Control Measure: Sprinkling of water over land, and provision of enclosure.	Complied Regular sprinkling of water over land, and provision of enclosure done for dust reduction in workplace
ii	**Sanitization**	
1	Sanitization facilities. Control Measure: Sewage will be sent to soak pit.	Complied Sewage water is now treated in the STP plant.
iii	**Noise**	
1	Movement of vehicles like truck, Dozer, Cranes. Control Measure: Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles will be maintained in well condition	Complied Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles are maintained in well condition
2	Construction activity. Control Measure: Engineering control, Provide noise protection devices like earmuffs, ear plug to worker, Rotation of work to minimize exposure.	Complied Engineering control, noise protection devices like earmuffs, ear plug to worker, Rotation of work are provided to minimize exposure.
iv	**Wastes from construction equipment**	
1	Dozer, Cranes Control Measures: Avoid spillage, proper storage, disposal by selling to reprocessor.	Complied Unit has avoided spillage, proper storage, disposal by selling to reprocessor.
2	Painting Control Measures: Proper storage, disposal by selling to authorized buyers/incineration.	Complied Unit has properly stored and disposed to authorized buyers/incineration.
3	Construction. Control Measures: Use for leveling purpose within premises	Complied Use has used leveling purpose for filling of low lying area.
Operation Phase		
A.	**Air Environment**	
1	Flue Gas Emissions: Unit shall provide acoustic enclosure and adequate stack height for D.G Set	Complied Unit has provided acoustic enclosure and adequate stack height for D.G Set
2	Process Gas Emissions: Unit shall provide APCM and adequate stack height for control of process gaseous emissions	Complied. Unit has provided a scrubber system and adequate stack height to all process gas emissions.
3	Fugitive Emissions:	Complied
B.	**Water Environment**	
1	Water Consumption The total water consumption of the proposed new unit will be 1429 KL/day. Out of the total water of 1429 KLD, fresh water will be 1253 KLD (Domestic requirement will be 47 KLD and industrial requirement will be 1262 KLD).	Agreed Unit will ensure, the permitted water consumption value will not be exeeded.
2	Wastewater Generation: Total waste water generation shall not exceed permissible limit	Agreed Unit will ensure, the permitted wastewater generation value will not be exeeded.
C.	**Noise Environment**	
1	Transportation activities Control Measures: a. Green belt, Restriction on transportation between 08 p.m. to 9 a.m., Maintain vehicle in good condition.	Agreed Unit had initiate the development of the green belt area. already unit is restricting on transportation between 08 p.m. to 9 a.m.,and maintaining vehicle in good condition.
2	D.G. Set Control Measures: a. Acoustic enclose, Engineering control, b. Provision of PPE, Green belt,	Complied Provided acoustic enclose, Engineering control in D. G. Set for preventing noise pollution
3	Plant/Process area	Complied
D.	**Land Environment**	
1	Development of greenbelt comprising of appropriately selected species of shrubs and trees. It is recommended that plantation be made on sites, road sides, around waste treatment units.	Complied Green belt developed with appropriate species of shrubs and trees like Gulmohar, Neem and Pelta Farm. Plantation is done on site, road sides, around waste treatment units.
E.	**Raw Material and Product Storage Area**	
1	Raw materials will be stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags,etc in sepereate storage room	Complied Raw materials are stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags,etc in sepereate storage room for first phase production will do the same in next phases

2	Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved	Complied Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved for first phase production will do the same in next phases
3	Hazardous flammable substances are separately stored within premises. Solvent transfer will be done by pumps. Reactor & solvent handling pump have mechanical seal	Complied Hazardous flammable substances are separately stored within premises. Solvent transfer is done by pumps. Reactor & solvent handling pump which have mechanical seal for first phase production will do the same in next phases
4	The acid tanks will be provided with dyke wall to control spread of leakages.	Complied The acid tanks are provided with dyke wall to control spread of leakages for first phase production will do the same in next phases
F.	**Vehicular Pollution Control**	
1	All vehicles will be maintained in well condition by regular preventive maintenance to reduce the exhaust level.	Complied All vehicles are maintained in well condition by regular preventive maintenance to reduce the exhaust level. Spark arrestor is used for all vehicles entering the site.
2	Drivers of all vehicles used in the transportation will be trained in transportation of Hazardous chemicals to prevent any accident. Fitness and training test certificate approved by R.T.O to be maintained on the vehicle at all times to ensure transport worthiness.	Complied Unit has developed a checklist which is checked by the security personnel at the entry of material gate. The checklist consists of all the mentioned points which is attached as
G.	**Safety Measures to Prevent the Occupational Health Hazards**	
1	All reasonably practical measures will be adopted by the unit to minimize the risk of accidents within a chemical manufacturing unit	Complied All reasonable practical measures like: a. Work specified PPEs b. Safety Showers c. Fire extinguishers d. Hydrant tank with circulated networks e. DG Sets etc. are provided to minimize the risk of accidents.
2	All building plans and installations will be as per relevant laws and will be approved by competent authority	Agreed & Complied Unit has considered to construct Green Buildings which will be approved by the competent authority
3	Suitable personnel protective equipments and fire extinguishers at strategic locations and suitable personal protective equipments will be provided	Complied Unit has provided PPEs and Fire Extinguishers at Strategic Locations.
4	Training will be imparted to all workers for all the hazardous process operations within the plant and will be supervised by experienced supervisors	Complied Trainings have been for all workers who deal with hazardous process operations within the plant
5	Flame proof electrical fittings, flame arrestors etc will be installed	Complied Unit has provided Flame proof electric fittings, flame arrestors etc.
6	All the raw materials will be stored in designated storage area equipped with necessary safety features	Complied All the raw materials have been stored in the RM Warehouse and which is equipped with specific safety features.
7	Periodic inspection & testing of pressure vessels, equipments, and machineries will be done.	Complied Regular preventive maintenance and periodic inspection of machines is done by the Unit for first phase of produciton and will do the same for next phases.
8	Good housekeeping will be ensured within the factory premises	Complied Good house keeping is ensured within the factory.
9	All designated staff & workers will be trained for the fire-fighting, work permit system, first aid and safe handballing of hazardous chemicals.	Complied All designated staff & workers are properly trained and regular trainings are provided for fire-fighting, work permit system, first aid and safe handballing of hazardous chemicals.
10	Incident/accident reporting system will be developed and all the employees will be made aware for the same.	Agreed & Comply Unit will report incident or accident to all the employees for their awareness.
11	Suitable notices/boards will be displayed at designated locations indicating appropriate hazard warnings.	Agreed and will Comply Proper boards/notices will be displayed at designated locations indicating hazard warnings.
12	Antidotes as well as MSDS for all the chemicals will be made available within the factory premises.	Complied Antidotes are MSDS are availaible for all chemicals within company premises.
13	Pre-employment medical checkup at the time of employment will be carried out. In order to safe guard the health of the employees, all the employees undergo periodic health checkup at every six month.	Complied Pre-employment medical checkup at the time of employment is carried out. All the employees undergo periodic health checkup at every six month.
H.	**Storm Water Management**	

1	The drains for storm water will be kept clean and dry in summer and winter. The storm water drains will be connected to holding tank. The rain water of the premises will be collected in this holding tank through storm water drains. The collected water will be analyzed for any contamination of pollutants for 1st and 2nd rain during monsoon. If analysis indicates any contamination, the collected water will be diverted to ETP plant. In case of no contamination, the collected water will be used in cooling tower and other applications.	Agreed and will comply.
I.	**Energy Conservation Programme**	Agreed and will comply. 1. Unit has planned to consider the solar panels on the roofs of admin and security buildings. 2. Unit will ensure the Preventive Maintenance of equipments which may cause excess energy expenditure.
j.	**Water Conservation Programme**	Agreed and will comply Unit has provided ETP and will provide RO & MEE to recycle water which will result in reduction of freshwater consumption. Unit has started the STP operation and sweage water are treated in STP Plant we will reuse the treated water from STP to the gardening purpose. Unit will ensure to provide Stormwater reservior to reuse water for various industrial purposes.
K.	**Management of Traffic**	
	Parking space for vehicles will be provided for loading and unloading products. Adequate roads to cater to two way traffic and to meet the fire regulations are planned in the complex.	Complied Unit has provided wide two-way RCC roads for managment of traffic. Proper parking space will be provided for loading and unloading products.
L.	**Social Welfare measures for Future Planning**	
1	Providing materials and monetary aid to schools, primary health centers, hospitals, sports, clubs and places of worship.	Complied CER & CSR activity has been done by the unit.

AARTI INDUSTRIES®

O/L

Ref: AIL/DHJ/DIA/ENV/25-26/008 **ID: 58381**
Date: 25.05.2025

To,
Deputy Director General of Forests
Integrated Regional Office (IRO)
Ministry of Environment, Forest & Climate Change (MoEF&CC)
KARMAYOGI BHAWAN,Block-3,F-2 Wing, 5th Floor,
Near CH-3 Circle, Sector - 10A,Gandhinagar - 382010

Subject: Half Yearly Environment Clearance conditions compliance report for the period of October-2024 to March-2025.

Reference:- 1)Environment Clearance letter no SEIAA/GUJ/EC/5(f)/391/2018 dated 31/05/2018

Respected Sir,

In reference to the above mentioned subject, Unit is enclosing herewith the compliance Report for the period of October-2024 to March-2025 in respect to the above mentioned references of Environment Clearance and its Amendments for Expansion of Synthetic organic chemicals industry (dyes & dye intermediates) manufacturing unit located at Plot No. Z/103/C, Dahej SEZ-II, Tal. Vagra, Dist. Bharuch, Gujarat.

The unit has obtained and implemented below mentioned ECs and submitted condition wise compliance for the same.

1) Environment Clearance letter no SEIAA/GUJ/EC/5(f)/391/2018 dated 31/05/2018

Thanking You
Yours faithfully,

For Aarti Industries Limited

For AARTI INDUSTRIES LTD.

Authorised Signatory

Authorized Signatory

Encl: EC Compliance with Annexures.

031 06125

Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010

COPY TO:

1. **The Member Secretary, GPCB, Gandhinagar**
2. **Email to The Regional Director, CPCB, Vadodara**
3. **Email to SEIAA, Gujarat**
4. **Uploaded in MOEF&CC(Parivesh) Portal**

PUBLIC NOTICE
ENVIRONMENTAL CLEARANCE

M/s. Aarti Industries Limited (Unit-II)

Plot No. Z/103/C Dahej SEZ-II, Dahej,
Dist: Bharuch, Gujarat. 392130

It is hereby informed that the State level Environment Impact Assessment Authority, Gandhinagar, Gujarat has accorded the Environment Clearance for setting up of the proposed manufacturing of Synthetic Organic Chemicals by M/s. Aarti Industries Limited (Unit-II) at Plot No. Z/103/C, Dahej SEZ-II, Dahej, Bharuch Gujarat- vide File no: SEIAA/GUJ/EC/5(f)/391/2018 dated 31st March, 2018, A copy of the clearance letter is placed at office of Gujarat Pollution Control Board (Bharuch & Gandhinagar) and may also be seen at website of State level Environment Impact Assessment Authority, Gandhinagar, Gujarat at http://seiaa.gujarat.gov.in/

Date: 21-04-2018

sd/-
Director

જાહેર સૂચના
પર્યાવરણીય મંજૂરી

મે. આરતી ઈન્ડસ્ટ્રીઝ લિમિટેડ (યુનિટ-૨)

પ્લોટ નં. ઝેડ/૧૦૩/સી, દહેજ સેઝ-૨, દહેજ, જિ. ભરૂચ, ગુજરાત- ૩૯૨૧૩૦

આ સાથે જાહેર જનતા ને વિદિત કરવામાં આવે છે કે રાજ્ય લેવલ એન્વાયર્નમેન્ટલ ઈમ્પેક્ટ એસેસમેન્ટ ઓથોરીટી પર્યાવરણ ભવન સેક્ટર-૧૦ એ, ગાંધીનગર ૩૮૨૦૧૦ ગુજરાત દ્વારા તેમનો પત્ર ક્રમાંક નંબર એસ.ઈ.આઈ.એ.એ/ગુજ/ઈસી/૫(એફ)/૩૯૧/૨૦૧૮ તારીખ: ૩૧/૦૩/૨૦૧૮ દ્વારા ફ્લુરિક રસાયણિક કેમિકલ્સ ના ઉત્પાદન માટે મે. આરતી ઈન્ડસ્ટ્રીઝ લિમિટેડ (યુનિટ-૨) પ્લોટ નં. ઝેડ/૧૦૩/સી, દહેજ સેઝ-૨, દહેજ, જિ. ભરૂચ, ગુજરાત-૩૯૨૧૩૦ ને પર્યાવરણીય મંજૂરી આપવામાં આવે છે. ઉપરોક્ત મંજૂરીની નકલો સંબંધી રાજ્યકક્ષાની ઓફિસમાં, ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડની કચેરી (ભરૂચ અને ગાંધીનગર) પર ઉપલબ્ધ છે. અને રાજ્ય સ્તરે પર્યાવરણ આકારણી સત્તા ગાંધીનગર ગુજરાતની વેબસાઈટ http://seiaa.gujarat.gov.in/ પર પણ મુકવામાં આવેલ છે.

તારીખ: ૨૧-૦૪-૨૦૧૮

અધિકૃત હસ્તાક્ષર
ડિરેક્ટર

SC33664

Aarti Industries Limited
Training/Meeting Attendance Sheet

Session Title:	*111 A Mandatory Sustainability One Day Training*		
Site:	Dahej	**Duration:**	09:30am to 05:30pm
Date	29 September 2025	**Division/Plant:**	All
Trainer:	Ash Kumar, Hiten Manakdana	**Venue:**	Narmada Training

	Sr. No.	Employee Code	Name	Designation	Function	Division	Signature
	1	59001226	MD AFZAL	Supervisor	INST	Saffron	[signature]
	2	59000113	Jatin Prajapati	Officer	Safety	"	[signature]
	3	59001886	Mosuir Mansuri	Tech.	Inst.	Diamond	[signature]
	4	59001134	Sajid Bhata	Associate	Inst	Saffron	[signature]
	5	59000562	Taufik M. Mansuri	operators	operator	Diamond	[signature]
	6	59001433	Ashok Jotra	Tech	Mech	NEO	[signature]
	7	59000208	Roshan Parmar	Tech	mech	NEO	[signature]
	8	59002040	Himanshu D Patel	Sr. Tech	Utility/Boiler	NEO	[signature]
	9	59000108	Bhatti Riyaz I	Sr Tech	Utility	NEO	[signature]
	10	59001525	KALPESH VASAVA	Sr. Tech	Mech	Neo	[signature]
	11	59000058	Dinesh Pethanvadiya	Sr Tech	Boiler	Neo	[signature]
	12	59001623	Paresh parmar	Tech	mech	Neo	[signature]
AT	13	59002117	RONAK Thakor	Associate	mech	Neo	[signature]
	14	59001521	Shailesh Vasava	~~Diamond~~ Tech	mech	Diamond	
	15	59001286	Tailor Hitesh	Tech	Mech	"	[signature]
	16	59001922	MANOJ KUMAR GAUTAM	Tech	Mech	Diamond	[signature]
Apprentice	17	91033004	Rathod Hemanshu	APP	operation	Neo	[signature]
Apprentice	18	91033043	Hemraj Parmar	APPrentice	operation	Neo	[signature]
Apprentice	19	91033042	Machhi Arun	Apprentice	operation	Neo	[signature]
AT	20	59002105	kusum Patanvadiya	ASSociate	operation	Neo	[signature]
AT	21	59002104	DAXESH GOHIL	Associate	operation	Neo	[signature]
AT	22	59002103	Ghunchi moin. K	Associate. T	operations	Neo	[signature]
AT	23	59002102	Gohil Tarun. V	Associate. T	operation	Neo	T.V.G
AT	24	59002148	Yuvraj Machhi	Assistant Associate	operation	Neo	[signature]
ET	25	59002121	Shubham Bharadwa	Executive Training	operation	Neo	[signature]
ET	26	59002122	Jatin Savat	Executive Trainee	operation	Neo	Jatin
	27	59000188	Sanjay MAKWANA	Tech	Mech	Neo	[signature]
Add	28	59001671	Sunil Dabhi	Supervisor	INST	Saffron	[signature]
	29						
	30						

Remarks:

Sign of HR		**Sign of Faculty**	

SC33411

Aarti Industries Limited
Training/Meeting Attendance Sheet

Session Title:	Safety Workday Training				
Site:	Dahej	**Duration:**	09:00am to 05:00pm		
Date	12 September 2025	**Division/Plant:**	All		
Trainer:	Ash Kumar, Dheerendra Sikarwar, Dr Aishwarya Hinduji		**Venue:**	Narmada Training Hall	

Sr. No.	Employee Code	Name	Designation	Function	Division	Signature
1	59001712	Pravinesh Patel	DCS Exc	Operation.	Neo	
2	59000862	PARTH PATEL	11	11	11	
3	59002131	Vivek Prajapati	Junior Manager	Operation	Neo	
4	59000679	Patel Himshu. F	DCS EXC	11	Saffron	
5	59002045	Patel Jeel V	JM	Operation	Saffron	
6	59002092	Krishna. V. Maradiya	DCS. Executive	operation	NEO	
7	59002075	Rohan Valand	DCS Exe	11	11	
8	59002055	Pidhaan Ajmera	Dcs Exe	11	11	
9	59001921	Lakshman Verma	DCS Exe	11	11	
10	59001466	Tushal Mistry	Dcs Executive	11	11	
11	59001744	Makwana Tarun	DCS Executive	Operation	Diamond	
12	5900 2069	Badal Rakshit	DCS Executive	Operation	NEO	
13	59001919	Makwana Kunal	11	11	Neo	
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Remarks:

Sign of HR		**Sign of Faculty**	