

25th October 2024

AIL/KUT/ENV/2024-25/40

Email To,

Deputy Director General of Forests,
(IRO Gandhinagar <iro.gandhingr-mefcc@gov.in>
Ministry of Environment Forest and Climate Change,
A Wing - 407 & 409, Aranya Bhawan,
Near CH-3 Circle, Sector-10A, Gandhinagar - 382010

Subject: Half Year Environment Clearance Compliance Report for period of April 2024 to September 2024.

Reference : 1. EC Identification No. EC23A021GJ167443 Dated 17/06/2023
2. EC Corrigendum Identification No. EC23A0202GJ5456892E Dated 24/06/2024

Respected Sir/Ma'am,

With reference to the above mentioned subject, the unit is enclosing herewith the Environmental Clearance compliance report for the period of April 2024 to September 2024 of Environment Clearance obtained for the "Production of Synthetic Organic Chemicals" at Plot no 1430/1, NH 8A, Tal: Bhachau, District: Kutch, Gujarat.

The compliance report is supported with required documents.

Thanking you,

Yours faithfully,

For, Aarti Industries Limited (Anushakti Division)



Authorized Signatory

Encl: EC Compliance Report along with Annexures

Copy to:

1. Email to: The Regional Director, CPCB, Vadodara, Gujarat (<ec-rdw.cpcb@gov.in>)
2. The Member Secretary, GPCB, Gandhinagar.
3. Email to: The Regional Officer, GPCB, Kutch-East, Kutch.(<ro-gpcb-kute@gujarat.gov.in>)
4. Uploaded in PARIVESH, MoEF&CC Portal.

EC Identification No. EC23A021GJ167443 Dated 17/06/2023

Half Yearly Environmental Clearance Compliance Report

April 2024 to September 2024



Aarti Industries Limited (Anushakti Division)

Plot No. 1430/1, NH No. 8A,
Taluka Bhachau, District Kutch, State Gujarat

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

No.	Conditions	Status								
2	<p>The Ministry of Environment, Forest and Climate Change has examined the proposal for Environmental Clearance to the project for Expansion of Synthetic Organic Chemical Industry 5(f) (Dyes & Dye Intermediates, Bulk Drugs and intermediates excluding drug formulation, synthetic rubbers, basic organic chemicals, other synthetic organic chemicals and chemical intermediates) of total production capacity 4,04,720 TPA located at Plot No. 1430/1, NH No. 8A, Taluka Bhachau, District Kutch, State Gujarat by M/s. Aarti Industries Limited.</p>	<p>Complied</p> <p>Unit has received Consent to Operate (CTO) from GPCB vide consent order No. AWH-106201, issued on dated 16th January, 2020, valid up to 31st December, 2024 & CCA Amendment AWH-131855 issued on 02nd Feb 2024 valid up to 31st December 2024. Copy of the same is attached as Annexure-2.</p>								
3	<p>The project/activity is covered under Category 'A' of item 5 (f)-Synthetic organic chemicals of Schedule of Environment Impact Assessment (EIA) Notification, 2006 (as amended) and requires appraisal at Central Level by the Expert Appraisal Committee (EAC).</p>	<p>Noted</p>								
4	<p>The standard ToR for the preparation of EIA/EMP Report was issued vide letter dated 28.4.2022. The PP applied for Environment Clearance on 28.2.2023 in Common application form and submitted EIA/EMP Report and other documents. The PP reported that it is an Expansion EC. The proposal was appraised in 48th EAC Meeting held on 9th, 10th & 13th March, 2023 (MoM confirmed in the 49th EAC held on 3rd, 5th & 6th April, 2023) wherein the Project Proponent and an accredited Consultant, Kadam Environmental Consultants [Accreditation number NABET/EIA/2023/SA 0164 valid till 19th March, 2023], made a detailed presentation on the salient features of the project and informed the following:</p>	<p>Noted</p>								
5	<p>The PP reported that the existing land area is 94898.77 m². The existing facility is already in operation & the proposed expansion will be within the existing area on the un-utilized land for the future expansion. The proposed expansion will be within the existing plant facility. No additional land required for the proposed expansion. The details of products are as follows:</p>	<p>Complied.</p> <p>The unit carried out proposed expansion within the existing plant facility only.</p> <table border="1" data-bbox="767 1832 1465 1984"> <thead> <tr> <th data-bbox="767 1832 868 1924">Sr No</th> <th data-bbox="868 1832 1115 1924">Area</th> <th data-bbox="1115 1832 1294 1924">Measurement in m²</th> <th data-bbox="1294 1832 1465 1924">% of Total Area</th> </tr> </thead> <tbody> <tr> <td data-bbox="767 1924 868 1984">1</td> <td data-bbox="868 1924 1115 1984">Plant area</td> <td data-bbox="1115 1924 1294 1984">47738</td> <td data-bbox="1294 1924 1465 1984">50.3 %</td> </tr> </tbody> </table>	Sr No	Area	Measurement in m ²	% of Total Area	1	Plant area	47738	50.3 %
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1	Plant area	47738	50.3 %							

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

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	Name of product / by-product	Capacity As per EC in MT/Month	As on Actual																											
A	Co-generation plant	4 MW	<p>Complied Power generation is well within the limit .</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Month</th> <th>Power Generation (MW)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>April 24</td> <td>1.59</td> </tr> <tr> <td>2</td> <td>May 24</td> <td>1.61</td> </tr> <tr> <td>3</td> <td>June 24</td> <td>1.78</td> </tr> <tr> <td>4</td> <td>July 24</td> <td>1.70</td> </tr> <tr> <td>5</td> <td>Aug 24</td> <td>1.50</td> </tr> <tr> <td>6</td> <td>Sept 24</td> <td>1.45</td> </tr> </tbody> </table>	Sr No.	Month	Power Generation (MW)	1	April 24	1.59	2	May 24	1.61	3	June 24	1.78	4	July 24	1.70	5	Aug 24	1.50	6	Sept 24	1.45						
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B	Chlorination of Benzene, Toluene (Other derivatives)	5933.3																												
1	Mono Chloro Benzene and/or Crude MCB	5333.3	<p>Complied</p> <table border="1"> <thead> <tr> <th colspan="3">Chloro Products of Benzene, Toluene</th> <th>Permissible Limit</th> </tr> <tr> <th>Sr No</th> <th>Month</th> <th>Production (in MT)</th> <th>MT/Month</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>April 24</td> <td>2538.685</td> <td rowspan="6">As per EC to CCA : 5933.3 MT/Month</td> </tr> <tr> <td>2</td> <td>May 24</td> <td>2490.046</td> </tr> <tr> <td>3</td> <td>June 24</td> <td>2079.013</td> </tr> <tr> <td>4</td> <td>July 24</td> <td>489.501</td> </tr> <tr> <td>5</td> <td>Aug 24</td> <td>2237.108</td> </tr> <tr> <td>6</td> <td>Sept 24</td> <td>2975.758</td> </tr> </tbody> </table>	Chloro Products of Benzene, Toluene			Permissible Limit	Sr No	Month	Production (in MT)	MT/Month	1	April 24	2538.685	As per EC to CCA : 5933.3 MT/Month	2	May 24	2490.046	3	June 24	2079.013	4	July 24	489.501	5	Aug 24	2237.108	6	Sept 24	2975.758
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2	Ortho/Meta/Para Di Chloro Benzene and/or Crude DCB and/or Crude TCB																													
3	1 2 4 Tri Chloro Benzene and/1 2 3 Tri Chloro Benzene /Crude TCB																													
4	Di Chloro Toluene Mixture and/or Crude DCT																													
5	Ortho/Meta/Para Chloro Toluene																													

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

	and/or Crude Ortho/Meta/Para Chloro Toluene		Group B - Chlorination of Benzene, Toluene (Other derivatives) production is well within the permissible limit		
6	Di Chloro Para Nitro Aniline and/or Crude Di Chloro Para Nitro Aniline	100			
C	Mono Nitro Derivatives (Other derivatives)	2833.3			
7	Nitrobenzene and/or Crude Nitrobenzene	2000	Complied Production is well within the permissible limit.		
8	O/M/P-Nitro Chloro Benzene and/or Crude O/M/P-Nitro Chloro Benzene		Mono Nitro Derivatives of Benzene, Chlorobenzene or Toluene or Xylene or Cumene (Sr No 7 to 16)		Permissible Limit
9	Nitro Cumene mixture		Sr No	Month	Production (in MT)
10	Nitro Toluene Mixture (MNT/PNT/ONT) *		MT/Month		
11	Nitro Xylene mixture *		1	April 24	1213.292
12	2 5 Di Chloro nitro benzene and/or Crude 2 5 Di Chloro nitro benzene		2	May 24	1121.221
13	3 4 Di Chloro nitro benzene and/or Crude 3 4 Di Chloro nitro benzene		3	June 24	768.758
14	2 6 Di Chloro nitro benzene and/or Crude 2 6 Di Chloro nitro benzene		4	July 24	505.963
15	2 4 Di Chloro nitro benzene and/or Crude 2 4 Di Chloro nitro benzene		5	Aug 24	1005.555
16	2 4 5 Tri Chloro nitro benzene and/or Crude 2 4 5 Tri Chloro nitro		6	Sept 24	439.035
			As per EC to CCA Group C production Qty : 2000 MT/Month		
			No production for products Sr No 17 to 27.		

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

	benzene/234 Tri Chloro nitro benzene and/or Crude 234 Tri Chloro nitro benzene		
17	2,4-Dichloro-5-fluor onitrobenzene or Crude 2,4-Dichloro-5-fluor onitrobenzene	833.3	No production for products Sr No 17 to 27.
18	2,4-dichloro-3-fluoro nitro benzene /3,5-dichloro-4-fluoro nitro benzene and/or Crude 2,4-dichloro-3-fluoro nitro benzene/Crude 3,5-dichloro-4-fluoro nitro benzene		
19	3-nitro benzotrifluoride (MNBTF) and/or Crude MNBTF		
20	3-nitro-4-chloro benzotrifluoride (CNBTF) and/or Crude CNBTF		
21	3,5-dinitro-4-chloro benzotrifluoride (CDNBTF) and/or Crude CDNBTF		
22	1-(3-nitrophenyl) ethanone (3-NAP) and/or Crude 3-NAP		
23	2,4-dichloro-3,5-dinitro benzotrifluoride (DCDNBTF) and/or Crude DCDNBTF		
24	4-nitro-N-methyl phthalimide and/or Crude 4 NPI		
25	2-Chloro-5-nitro-benzonitrile and/or Crude 2-Chloro-5-nitro-benzonitrile		

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

26	2,6-dichloro-3,5-difluoronitrobenzene																													
27	2-chloro-4-fluoro-5-nitrobenzoic acid																													
D	Dinitro Derivatives (Other derivatives)	1000	No production.																											
28	Di nitro benzene and/or Crude Di nitro benzene	1000	No production for products Sr No 28 and 29.																											
29	Di nitro Chloro benzene and/or Crude Di nitro Chloro benzene																													
E	Mix Nitro Derivatives (Other derivatives)	1000	No production.																											
30	Mixture of Nitro Chloro Benzene and/or Crude Nitro Chloro Benzene	1000	No production for products Sr No 30 and 31.																											
31	Mixture of Di Chloro Nitro Benzene and/or Crude Di Chloro Nitro Benzene																													
32	Mixture of Nitro Toluene and/or Crude Nitro Toluene																													
F	Hydrogenated/Reduction (Other derivatives)	13000																												
33	Aniline and/or Crude Aniline	400	Complied Production is well within the permissible limit.																											
34	Monomethyl Aniline and/or Crude Monomethyl Aniline	12000	<table border="1"> <thead> <tr> <th colspan="3">Hydrogenated/Reduction (Other derivatives)</th> <th>Permissible Limit</th> </tr> <tr> <th>Sr No.</th> <th>Month</th> <th>Production (MT/Month)</th> <th>MT/Month</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>April 24</td> <td>11179.673</td> <td rowspan="6">As per EC to CCA : 13000</td> </tr> <tr> <td>2</td> <td>May 24</td> <td>11553.920</td> </tr> <tr> <td>3</td> <td>June 24</td> <td>12964.225</td> </tr> <tr> <td>4</td> <td>July 24</td> <td>12792.963</td> </tr> <tr> <td>5</td> <td>Aug 24</td> <td>7789.037</td> </tr> <tr> <td>6</td> <td>Sept 24</td> <td>4223.327</td> </tr> </tbody> </table>	Hydrogenated/Reduction (Other derivatives)			Permissible Limit	Sr No.	Month	Production (MT/Month)	MT/Month	1	April 24	11179.673	As per EC to CCA : 13000	2	May 24	11553.920	3	June 24	12964.225	4	July 24	12792.963	5	Aug 24	7789.037	6	Sept 24	4223.327
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35	Dimethyl Aniline and/or Crude Dimethyl Aniline	600																												

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

G	Phthalate Derivatives (Other derivatives)	5000																												
36	Di Methyl Phthalate (DMP) and/or Crude DMP	5000	Complied Production is well within the permissible limit.																											
37	Di Iso Nonyl Phthalate (DINP) and/or Crude DINP																													
38	Di Iso Decyl Phthalate (DIDP) and/or Crude DIDP																													
39	Di Methyl Adipate (DMA)																													
40	Di Octyl Adipate (DOA)																													
41	Di Octyl Phthalate (DOP)																													
42	Dibasic ester																													
43	Di octyl Terephthalate																													
44	Dicyclohexyl phthalate																													
45	Di isononyl Adipate																													
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H	Calcium Chloride	59520																												
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6.	The PP reported that there is no violation case as per the Notification No. S.O.804(E) dated 14.03.2017 and no direction is issued under E(P) Act/Air Act/Water Act.		Complied No violation case as per the Notification No. S.O. 804(E) dated 14.03.2017 and no direction is issued under E(P) Act/Air Act/Water Act.																											

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024	
<p>7.</p>	<p>The PP reported that as per EIA notification 1994, products are not under purview of the EC. However, since the inception, unit has obtained consents from GPCB as applicable time to time. The existing facility is having valid Consent to Operate (CTO) from GPCB vide consent order No. AWH-106201, issued on dated 16th January, 2020, valid up to 31st December, 2024 in favour of M/s. Aarti Industries Ltd. (Anushakti Division). Unit has obtained first Consent to Operate from GPCB prior to EIA notification 14th September, 2006.</p>
<p>Complied</p> <p>Unit has obtained consents from GPCB as applicable from 2004 from time to time. The existing facility has valid Consent to Operate (CTO) from GPCB vide consent order No. AWH-106201, issued on dated 16th January, 2020, valid up to 31st December, 2024 & CCA Amendment AWH-131855 dated 02nd Feb 2024 valid up to 31st December, 2024 in favour of M/s. Aarti Industries Ltd. (Anushakti Division).</p> <p>The unit has obtained EC through EC Identification No. EC23A021GJ167443 dated 17/06/2023 from MoEF.</p>	
<p>8.</p>	<p>The PP reported that the Compliance report of CCA conditions were submitted to GPCB, Gandhinagar on 15th July, 2022. The visit of RO, Kutch has been done on 27th September, 2022. Certified Compliance Report of Valid CCA received from GPCB vide letter no. GPCB/CCA-Kutch-228(11)-/ID-17766/700462 dated 05th January, 2023. All conditions of CTO are complied.</p>
<p>Complied .</p> <p>Unit has received a Certified Compliance Report of Valid CCA from GPCB vide letter no. GPCB/CCA-Kutch-228(11)-/ID-17766/700462 dated 5th January, 2023. All conditions of CTO are complied. The same has been submitted along with the EIA report and granted EC. As per certifies CCA Compliance 70 conditions complied and 5 conditions are not applicable.</p> <p>Certified CCA Compliance has been uploaded in Annexure-3.</p>	
<p>9.</p>	<p>The PP reported that Wild Ass Sanctuary and Kutch Biosphere Reserve are located at ~ 3.5 km in SW direction and ~ 8.1 km in NW direction respectively. The Little Rann of Kutch and Great Rann of Kutch are located adjacent to site in E direction and ~ 8.1 km in NW direction respectively. There are no National Parks, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. 1 Dalwala Vokra is flowing at a distance of 0.17 km in West direction from project site.</p>
<p>Noted</p>	
<p>10.</p>	<p>The PP reported that the Ambient Air Quality monitoring was carried out at 8 Locations during 20th October, 2020 to 23rd January, 2021 and base line data indicates the ranges of average concentrations as: PM10 (46-67µg/m3), PM2.5 (18-21 µg/m3), SO2 (8.0–9.3 µg/m3) and NO2 (14.6-16.4 µg/m3). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 3.5 µg/m3, 4.7 µg/m3, 1.8 µg/m3 with respect to PM10, SOx and NOx. The resultant concentrations are within the National Ambient</p>
<p>Noted</p>	

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

	<p>Air Quality Standards (NAAQS). Noise - Ambient Noise level monitoring was carried out at 8 locations and baseline Noise levels during daytime & night time, in industrial area & residential area was observed within CPCB standards. Ground Water - Ground water samples were collected from 8 locations within study area and baseline data indicates that TDS ranging from 512 – 3420 mg/L, Chlorides: 186-1565 mg/L, Total Hardness: 220-850 mg/L, Ca: 47.3- 200.4 mg/l, Mg: 24.8-97.2 mg/l. Surface Water - Surface water samples were collected from 8 locations form Ponds & Creek within study area and baseline data indicates that pond water can be compared with class E & D as per classification of Inland surface water and Creek water can be compared with class V as per classification for coastal water Marine (CPCB). Soil - Soil samples were collected from 9 locations within study area and baseline data indicates soils are non-saline to saline having normal soil reaction, soils having moderate fertility having low to medium nitrogen level, low in phosphorous and low to high in potassium level.</p>																	
<p>11.</p>	<p>The PP reported that the total water requirement after the proposed expansion will be 4274 KLD (Existing: 1075 KLD + Proposed 3199 KLD) of which fresh water requirement of 2983 KL/day (Existing 949 KLD + Proposed 2034 KLD) will be met from Gujarat Water Infrastructure Limited (GWIL). Total Industrial Effluent after the proposed expansion will be 1266 KLD (Existing: 128 KLD + Proposed 1138 KLD) quantity will be treated through Effluent Treatment Plants & Sewage of 68 KLD will be treated in Sewage Treatment Plant. The plant will be based on Zero Liquid Discharge (ZLD) system.</p>	<p>Complied</p> <p>Unit has a water source as Gujarat Water Infrastructure Limited (GWIL). The permission letter from GWIL as attached in Annexure-4.</p> <p>Water consumption for last 6 months as shown in table below :</p> <table border="1" data-bbox="775 1447 1481 1865"> <thead> <tr> <th>Month</th> <th>Total Quantity (KLD)</th> <th>Permissible limit after EC to CCA Phase 1</th> </tr> </thead> <tbody> <tr> <td>April 24</td> <td>1038.367</td> <td rowspan="6">As per EC to CCA 1903 KLD</td> </tr> <tr> <td>May 24</td> <td>1121.194</td> </tr> <tr> <td>June 24</td> <td>1077.967</td> </tr> <tr> <td>July 24</td> <td>751.935</td> </tr> <tr> <td>Aug 24</td> <td>878.806</td> </tr> <tr> <td>Sept 24</td> <td>898.667</td> </tr> </tbody> </table> <p>Water consumption is within the prescribed limit.</p> <p>Unit is maintaining the ZLD scheme through ETP, RO, MEE ATFD System and Sewage Treatment Plant.</p>	Month	Total Quantity (KLD)	Permissible limit after EC to CCA Phase 1	April 24	1038.367	As per EC to CCA 1903 KLD	May 24	1121.194	June 24	1077.967	July 24	751.935	Aug 24	878.806	Sept 24	898.667
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12.	<p>The PP reported that Power requirement after expansion will be 8 MW including existing 3 MW and will be met from In-house co-generation power plant (of 4 MW capacity) and Paschim Gujarat Vij Company Ltd. (PGVCL) during the operation phase. Existing unit has 2 nos. of DG sets of 1000 kVA capacity, additionally 2 nos. of 2000 kVA capacity are used as standby during power failure. Stack (height – 11 mtr. of each) will be provided as per CPCB norms to the proposed DG Sets.</p>	<p>Complied Total power (PGVCL + CPP {4 MW}) consumption in power units of last 6 months as :</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Month</th> <th>Power Unit (kWh) (PGVCL + CPP + DG)</th> <th>Power (In MWh) (PGVCL + CPP + DG)</th> </tr> </thead> <tbody> <tr> <td>April 24</td> <td>2528831</td> <td>3.51</td> </tr> <tr> <td>May 24</td> <td>2916796</td> <td>3.92</td> </tr> <tr> <td>June 24</td> <td>2856170.5</td> <td>3.97</td> </tr> <tr> <td>July 24</td> <td>2661224</td> <td>3.58</td> </tr> <tr> <td>Aug 24</td> <td>2960281.5</td> <td>3.98</td> </tr> <tr> <td>Sept 24</td> <td>2626170</td> <td>3.65</td> </tr> </tbody> </table> <p>Electricity bill of PGVCL as attached in Annexure-5. Existing unit has 2 Nos of DG sets with capacity 1000 KVA and stack height of 15 m each.</p>	Month	Power Unit (kWh) (PGVCL + CPP + DG)	Power (In MWh) (PGVCL + CPP + DG)	April 24	2528831	3.51	May 24	2916796	3.92	June 24	2856170.5	3.97	July 24	2661224	3.58	Aug 24	2960281.5	3.98	Sept 24	2626170	3.65
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13.	<p>Details of Process Emissions Generation and its Management:</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>S. No.</th> <th>Stack Attached to</th> <th>Stack Height in m</th> <th>Pollutants Emitted & Limits</th> <th>Air Pollution Control Measures Attached</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Chlorination plant (HCl stack)</td> <td>30</td> <td>HCl: 20 mg/Nm3</td> <td>Two Stage water & Alkali Scrubber</td> </tr> <tr> <td>2</td> <td>Nitration plant (Nitrator, Nitration plant Loading area)</td> <td>30</td> <td>NOx: 100 mg/Nm3</td> <td>Two stage water & alkali scrubber</td> </tr> <tr> <td>3</td> <td>Alkali scrubber of CaCl2 plant</td> <td>25</td> <td>PM: 150 mg/Nm3</td> <td>Alkali Scrubber</td> </tr> <tr> <td>4</td> <td>CaCl2 Dryer vents</td> <td>20</td> <td>PM: 150 mg/Nm3</td> <td>Two stage wet Scrubber</td> </tr> </tbody> </table>	S. No.	Stack Attached to	Stack Height in m	Pollutants Emitted & Limits	Air Pollution Control Measures Attached	1	Chlorination plant (HCl stack)	30	HCl: 20 mg/Nm3	Two Stage water & Alkali Scrubber	2	Nitration plant (Nitrator, Nitration plant Loading area)	30	NOx: 100 mg/Nm3	Two stage water & alkali scrubber	3	Alkali scrubber of CaCl2 plant	25	PM: 150 mg/Nm3	Alkali Scrubber	4	CaCl2 Dryer vents	20	PM: 150 mg/Nm3	Two stage wet Scrubber	<p>Complied All the parameters are well within the consent limit. Please refer below to the added table of analysis parameter results.</p> <p>Sample analysis report from NABL accredited testing laboratory (Eco Earth Technologies) is attached in Annexure-6.</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>S No.</th> <th>Stack attached to, parameters and unit</th> <th>April 24</th> <th>May 24</th> <th>June 24</th> <th>July 24</th> <th>Aug 24</th> <th>Sept 24</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Chlorination plant (HCl stack) HCl mg/Nm3</td> <td>2.69</td> <td>5.98</td> <td>6.85</td> <td>Plant Shutdown</td> <td>5.98</td> <td>6.32</td> </tr> <tr> <td>2</td> <td>Nitration plant NOx in mg/Nm3</td> <td>Plant Shutdown</td> <td>1.05</td> <td>1.09</td> <td>1.12</td> <td>1.52</td> <td>1.22</td> </tr> <tr> <td>3</td> <td>Alkali scrubber of CaCl2 plant PM mg/Nm3</td> <td>6.32</td> <td>6.85</td> <td>6.04</td> <td>6.33</td> <td>5.66</td> <td>6.36</td> </tr> </tbody> </table>	S No.	Stack attached to, parameters and unit	April 24	May 24	June 24	July 24	Aug 24	Sept 24	1	Chlorination plant (HCl stack) HCl mg/Nm3	2.69	5.98	6.85	Plant Shutdown	5.98	6.32	2	Nitration plant NOx in mg/Nm3	Plant Shutdown	1.05	1.09	1.12	1.52	1.22	3	Alkali scrubber of CaCl2 plant PM mg/Nm3	6.32	6.85	6.04	6.33	5.66	6.36
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				(Venturi Scrubber)
5	CaCl2 mixing plant -1	15	HCl: 20 mg/Nm3	Alkali scrubber
6	Chlorine Shed	15	Cl2: 9 mg/Nm3	Chlorine shed scrubber (Alkali Scrubber)
7	HCl Tank farm - (Additional precautionary)	11	HCl: 20 mg/Nm3	Two stage (water + caustic) scrubber
8	2,4 Dichloro-3,5 Dinitro Benzo Tri Fluoride (DCDNBTF) scrubber	11	HCl: 20 mg/Nm3 Cl2 : 9 mg/Nm3	Two stage water followed by caustic scrubber

4	CaCl ₂ Dryer PM mg/Nm3	Plant Shutdown	55.65	45.26	50.2	48.15	52.36
5	CaCl ₂ mixing plant -1	Dismantled					
6	Chlorine Shed	Scrubber for emergency use only.					
7	HCl Tank farm - (Additional precautionary)	Scrubbing in a closed loop. It is to control fugitive emissions. i.e. not for process gas emission.					
8	2,4 Dichloro-3,5 Dinitro Benzo Tri Fluoride (DCDNBTF) scrubber	Not applicable as would be taken in the next phase of CCA when production of a particular product starts.					

All parameters are well within the consent prescribed limit.

Analysis report is attached as **Annexure-6**.

14. Details of Solid Waste/ Hazardous Waste Generation and its Management:

Sr. No.	Type of waste	Source of generation (Plant/Group)	Cat egor y	Exis ting Qua nti ty as per CCA (MT /year)	Tota l Afte r Pha se 1 (MT /Year)	Qua nti ty as per EC (MT /year)	Disposal at
1	ETP Sludge	ETP /		5400	9132	14532	Collection, Storage, Transportation and Disposal at Common TSDF site.
2	MEE/ATFD Salt	ME E/A TFD	35.3	0			Collection, Storage, Transportation and Disposal at Common TSDF site.

Complied

Unit has maintained all records of generation, sale, storage, transport, recycling, co-processing and disposal of hazardous waste.

The quantities of different hazardous waste disposed of are as below:

Landfill waste (Sr no 1,2 ETP Sludge, MEE/ATFD Salt) in MT				
Month	Opening	Generati on	Sale/Di sposal	Closing
April 24	0.05	172.00	149.45	22.60
May 24	22.60	151.00	151.05	22.55
June 24	22.55	146.00	146.93	21.62
July 24	21.62	104.00	73.59	52.03
Aug 24	52.03	127.00	74.24	104.79
Sept 24	104.79	120.00	0.00	224.79

Sr no 3 Discarded Containers, Barrels, Drums &

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Sr	Description	Material	Quantity	Unit	Weight	Value	Disposal Method	Sr no 13. Non-recyclable plastic waste in MT						
								Month	Opening	Generati on	Sale/Di spose	Closing		
3	Disca rded Conta iners, Barrel s, Drum s	Pac kagi ng Mat erial	33.1	MT	~ 150 (250 Nos. disc arde d cont aine rs)	~ 160 MT (=21 500 x 7.5 = 1610 00 Kgs)	310	Collection, Storage, Transportation and Disposal at Common TSDF site or Selling to Re-processors or co-processing.	April 24	0.00	1.50	0.00	1.50	
4	Used Oil/Sp ent Oil	Proc ess	5.1	MT	0.5	24.5	25	Collection, storage, Transportation & and Disposal by Selling to MoEF registered recyclers/re-pro cessors.	May 24	1.50	6.00	4.97	2.53	
5	Inciner ator Ash*	Inciner ator	26.1	MT	90	-90	NIL	Collection, Storage, Transportatio n and Disposal at Common TSDF site.	June 24	2.53	5.00	6.16	1.37	
6	Sludg e from Calci um Chlori de Plant	Proc ess	26.1	MT	5400	776 5	1316 5	Collection, Storage, Transportation and Disposal at TSDF site or coprocessing.	July 24	1.37	0.00	0.00	1.37	
7	Proce ss waste (orga nic layer from after HCL purifi catio n, from flash vesse l,	Proc ess	26.1	MT	0	200	200	Collection, Storage, Transportation and Disposal at Common Incinerator facility or pre/co-processi ng	Aug 24	1.37	11.50	12.48	0.39	
Sr no 4 Used Oil/Spent Oil									Sept 24	0.39	1.50	0.00	1.89	
Sr no 5 Incinerator Ash generated and disposal zero.									Month	Opening	Generati on	Sale/Di spose	Closing	
Sr no.6 (Calcium chloride Sludge) in MT									April 24	0.00	0.00	0.00	0.00	
Sr no 7,8,9 generation and disposal : Zero.									May 24	0.00	0.00	0.00	0.00	
Sr no 10 Spent HCl in MT									June 24	0.00	0.00	0.00	0.00	
Sr no 13. Non-recyclable plastic waste in MT									July 24	0.00	0.00	0.00	0.00	
Sr no 10 Spent HCl in MT									Aug 24	0.00	1.00	0.00	1.00	
Sr no 10 Spent HCl in MT									Sept 24	1.00	0.50	0.00	1.50	
Sr no 10 Spent HCl in MT									Month	Opening	Generati on	Sale/Di spose	Reuse within premises (CaCl2 plant)	Closing
Sr no 10 Spent HCl in MT									April 24	4.529	4615.625	0.00	4527.250	92.904
Sr no 10 Spent HCl in MT									May 24	92.904	4222.958	0.00	4186.460	129.402

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Sr No	Waste Name	Process	Quantity (MT)	Generation (MT)	Disposal (MT)	Storage (MT)	Disposal Method	Monthly Data (MT)										
								June 24	July 24	Aug 24	Sept 24	Opening	Reception	Utilization	Closing			
8	Spent Carbon	ETP/Process	36.2	0	200	200	Collection, Storage, Transportation and Disposal at Common Incinerator facility/TSDF/Re processor	June 24	129.402	4027.289	0.00	4064.680	92.011					
								July 24	92.011	578.200	0.00	555.400	114.811					
								Aug 24	114.811	5481.027	0.00	5448.905	146.933					
								Sept 24	146.933	5102.963	0.00	5146.880	103.016					
								Sr no 10 Spent HCl in MT (Reception)										
								Month	Opening	Reception	Utilization	Closing						
								April 24	0.00	797.15	797.15	0.00						
								May 24	0.00	276.72	276.72	0.00						
								June 24	0.00	345.42	345.42	0.00						
								July 24	0.00	1010.99	1010.99	0.00						
Aug 24	0.00	1158.23	1158.23	0.00														
Sept 24	0.00	25.97	25.97	0.00														
Sr no. 11 Spent Sulphuric Acid (B 15) in MT																		
Month	Opening	Generation	Sale/Disposal	Closing														
April 24	98.237	571.304	592.850	76.691														
May 24	76.691	505.783	527.470	55.004														
June 24	55.004	377.669	381.760	50.913														
July 24	50.913	293.152	234.070	109.995														
Aug 24	109.995	492.644	497.260	105.379														
Sept 24	105.379	187.055	235.030	57.404														
Sr no 12 generation and disposal zero.																		
Sr no 14,15,17,18 generation and disposal zero.																		
Sr no 16 Process Residue (26.1) in MT																		
Month	Opening	Generation	Sale/Disposal	Closing														
April 24	10.49	40.00	43.53	6.96														
May 24	6.96	35.00	26.87	15.09														
June 24	15.09	34.00	26.28	22.81														
July 24	22.81	38.00	52.11	8.70														
Aug 24	8.70	34.00	23.60	19.10														
Sept 24	19.10	24.00	22.15	20.95														
10	Spent HCL	Process Chloro Products of Benzene, Toluene	B15 of Schedule II	127000	-10040	116964	Collection, Storage, Transportation & Sold to authorized agency under Rule 9 of Hazardous and Other Wastes (Management & Transboundary Movement) Rule 2016/ Utilized in Calcium Chloride Plant in-house.											
		Other Industries						Reception, collection, transportation, storage and use in Calcium										


All the hazardous waste is disposed of through an online GPCB XGN system generated manifest only with a dedicated AIS-140 enabled hazardous waste vehicle. Copy of the Manifest is

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							Chloride Plant in house.
11	Spent Sulphuric Acid	Proc ess- Mon on itrat ion Deri vati ves, Dini tro Deri vati ves Mix Nitr o Deri vati ves	B15 of Sch edu le II	6000	1870	247	Collection, Storage, Transportation and sold to Authorized agency under Rule 9 of Hazardous and Other wastes (Management & Transboundary Movement) Rules 2016 / Co-processing
12	off-sp ecific ation produ ct	Proc ess	26.1	0	20	20	Collection, Storage, Transportation and sent to Incineration/Pre/Co-processing at approved facility
13	Non-r ecycl able plasti c waste	Proc ess	33.1	0	28	28	Collection, Storage, Transportation and sent to approved TSDF facility/Co-processing
14	Spent Catal yst	Proc ess	26.5	0	12	12	Collection, storage, Transportation and Sent to registered recycler and reprocessors.
15	Cera mic saddl es	Proc ess	--	0	3	3	Collection, Storage, Transportation and Disposal at Common TSDF site.
16	Proce ss	Proc ess	26.1	0	9512	9512	Collection, Storage,

attached. Membership certificates of the disposal facility are attached as **Annexure-17**.

Signed Manifest Copy-6

 Ambuja Cement Ltd (Unit - Ambuja) [17221]		Manifest No: 2627614 17/08/2024	Copy 6
To be forwarded by To be returned by the Operator of the facility to the Occupier after treatment and disposal of hazardous material/waste.			
Sender's Details			
Sender Name: AARTI INDUSTRIES LIMITED (ANUSHAKTI DIVISION) [17766] Address: N. H. NO 8A, Bhachau, Dis : Kutch, Taluka :BHA District:KUT Pin no:370140 Contact Details: 9662833941 env.anushakti@arti-industries.com GPS Coordinates: Lat :23.26936389172507 Long :70.3264150841301 Guardian Detail: Dev Kansara, Environment Engineer, 9662833941, env.anushakti@arti-industries.com			
Receiver's Details			
State: Gujarat Type of Facility: Co-processing Facility Details: Ambuja Cement Ltd (Unit - Ambuja) [17221] Contact Details: 8755118707 devendraasingh.chauhan@adani.com GPS Coordinates: Lat :20.839086132403017 Long:70.68877052586723 Address: PO : Ambujnagar , 382715, Taluka - Kodinar, District - Junagadh Taluka :KOD District:GSM Pin no.362715			
Waste Details			
Waste Details: 2-26-26.1-Process Waste Sludge/Residues Containing Acid, Toxic Metals, Organic compounds Waste Intended for: Co-Processing Total Qty: 23.600MT Consistency: Liquid			
Transporter Details			
Name: KRISHNA ROADLINES Contact Details: 8905951576 KRISHNAROADLINESGIM@GMAIL.COM Address: NILESHPARK BUILDING, GYMKHANA District :Kutch East Taluka :Gandhidham			
Vehicle Details			
Vehicle no: GJ28T5021 (IMEI No :862112139000135) GPS Enabled: Yes Type of Vehicle: Tanker Driver name: KAUSHOR Driver Contact No: 891128379			
Waste Transportation Details			
Vehicle Depart: 17/08/2024 11:05PM Trip Start: 17/08/2024 11:20PM No of Drums: 0 Loose Waste: 23.600 Remarks: PROCESS RESIDUE (MMA PLANT) No of bags: 0			
Sender's Declaration : (1) The above contents of hazardous/ other wastes consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked and labeled, and are in all respects in proper conditions for its transport from aforementioned location to common facility or captive facility or actual user by way of road/ transportation in accordance with the applicable central as well as state government regulations. (2) I have obtained membership of common facilities/ carried out agreement with actual user for disposal/ actual use of hazardous waste having authorization under Rule-9. (3) I do hereby verify that no part of manifest is false and nothing has been concealed. If any information sprouts to be false or concealed, I will be held responsible for the consequences under HDWM Rules, 2016 and amendments thereof.			
Name and stamp of sender:		Date:	Signature:
Transporter's Acknowledgement of Receipt of waste Stamp:		Date:	Signature:
Receiver's Certification of Receipt of Hazardous waste I, hereby declare that the said waste is received at the facility/unit for which I have valid COA (under Rule-9 in case of recycling) for its disposal/ utilization. I also declare this information to be true falling which I will be held responsible for the consequences under HDWM Rules, 2016 and amendments thereof. I hereby, accept/ reject the manifest.			
Stamp:		Date: 25/9/24	Signature:
		23.6000	
By scanning QR code, copy of transporter will be display. (All copy has same information)			

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	residue						Transportation and sent to Incineration/Pre/Co-processing at approved facility
17	Sodium Hypochlorite	Process and Chlorine Scrubber	B 15 of Schedule II	0	27356	27356	Collection, Storage, Transportation and Sold to Authorized agency under Rule 9 of Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016
18	Calcium Chloride Solution	Process	C2 of Schedule II	8400	123428	170057	Collection, Storage, Transportation & Sold to authorized agency under Rule 9 of Hazardous and Other Wastes (Management & Transboundary Movement) Rule 2016
		Other Industries					Reception, collection, transportation, storage and use in Calcium Chloride Plant in house.
<p>Note: * The request letter for amendment in CTO has been submitted to GPCB on 13/02/2020 & 09/10/2020 for justification. We have installed advanced technology ATFD as an alternative treatment for MEE concentrate. As of today our incinerator plant is idle and the ATFD plant is in under the operation. In future, we will dismantle the Incinerator facility.</p>							

The quantities of different non hazardous solid waste are as below:

Sr no. 1 Insulation waste in MT				
Month	Opening	Generation	Sale/Disposal	Closing
April 24	0.21	2.00	1.70	0.51
May 24	0.51	0.00	0.00	0.51
June 24	0.51	1.00	0.00	1.51
July 24	1.51	0.00	0.00	1.51
Aug 24	1.51	1.00	0.00	2.51
Sept 24	2.51	0.00	0.00	2.51
Sr No. 2,5,6,7 waste disposal zero.				
Sr no. 3 : E waste : 7.01 MT Disposed in Dec 2023 , Stock : 0 MT				
Sr no. 4 Fly Ash				
Month	Opening	Generation	Sale/Disposal	Closing
April 24	0.00	680	678.97	1.03

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Non Hazardous (Solid Wastes)						
S.No.	Name of Waste	Source of generation (Plant/Group)	Existing Quantity as per CCA (MT/year)	Proposed quantity (MT/year)	Total after proposed (MT/year)	Disposal Mode
1	Insulation waste	Plant and machinery	0	50	50	Collection, Storage, Transportation and Disposal at TSDF
2	Battery waste/ Lead-Acid Batteries	Plant and machinery	0	20 Nos	20 Nos	Collection, storage, Transportation & Disposal by Selling to MoEF/GPCB registered recyclers/re-processors
3	E-waste/ Electrical waste	Plant and machinery	0	2	2	Collection, storage, Transportation & Disposal by Selling to MoEF registered recyclers/re-processors
4	Fly ash	Use of coal	9125	17863	26988	Collection, storage, Transportation and Sold to Brick Manufacturers, Construction activities and other end users, coprocessing, road construction
5	Office Waste	Admin/Office	0	20	20	Collection, Storage, Transportation

Sr no. 8 Biomedical Waste (In Kg)				
Month	Opening	Generation	Sale/Disposal	Closing
May 24	1.03	512	509.99	3.04
June 24	3.04	452	448.12	6.92
July 24	6.92	554	553.05	7.87
Aug 24	7.87	384	246.76	144.84
Sept 24	144.84	402	490.34	56.50
April 24	0.00	0.00	0.00	0.00
May 24	0.00	0.10	0.10	0.00
June 24	0.00	0.00	0.00	0.00
July 24	0.00	0.20	0.20	0.00
Aug 24	0.00	0.60	0.60	0.00
Sept 24	0.00	0.00	0.00	0.00

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

						on Registered recyclers																				
6	Glass	Plant/lab/Buildings	0	15	15	Collection, Storage, Transportation, disposal/sold to scrap processors																				
7	STP Waste (Sludge)	STP	0	60	60	Collection, Storage, Transportation disposal as manure/ to TSDF site.																				
8	Bio-medical waste	Occupational health centre	0	2	2	Collection, Storage, Transportation, Disposal to CBWTF-Incineration																				
15.	The Budget earmarked towards the Environmental Management Plan (EMP) is ₹ 48.34 Crore (capital) and the Recurring Cost (operation and maintenance) will be about ₹ 42.774 Crore per annum. Industry proposes to allocate 1.105 Crore towards CER.					<p>Complied</p> <p>The Budget earmarked towards the Environmental Management Plan (EMP) as mentioned in Annexure-7. The capital spent towards EMP is 43.21 Cr and recurring cost is 6.79 Cr for the said period.</p>																				
16.	The PP reported that out of total project area (94,898.77 m ²), approx. 12,609.86 m ² (~13.29%) Greenbelt will be developed within existing plant premises. In addition to this, 28,000 m ² (29.50%) area will be developed as Greenbelt area located at approx. 200 m from project site boundary in North East direction. Hence, the total greenbelt area will be 40,609.86 m ² (Internal: 12,609.86 m ² + Proposed: 28,000 m ²), which will be approximately 42.79% of total plot area. To meet 33% greenbelt requirement, additional land of 48,462 m ² has been acquired by the PP near the existing plant.					<p>Complied</p> <p>Details of Green Belt Area as in table below: The unit has developed 42.79 % greenbelt (29.5 adjacent to plant + 13.29 within the premises)</p> <table border="1"> <thead> <tr> <th>Sr No</th> <th>Status as on Date</th> <th>Area (m²)</th> <th>Location</th> <th>% of Total Plot area</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Developed</td> <td>13609.86</td> <td>Within premises</td> <td>13.29</td> </tr> <tr> <td>2</td> <td>Developed</td> <td>28000</td> <td>200m to the unit</td> <td>29.5</td> </tr> <tr> <td></td> <td>Total Green Belt Area</td> <td>40,609.86</td> <td>Within and outside premises</td> <td>42.79</td> </tr> </tbody> </table>	Sr No	Status as on Date	Area (m ²)	Location	% of Total Plot area	1	Developed	13609.86	Within premises	13.29	2	Developed	28000	200m to the unit	29.5		Total Green Belt Area	40,609.86	Within and outside premises	42.79
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	Total Green Belt Area	40,609.86	Within and outside premises	42.79																						

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Photographs of the greenbelt are attached as **Annexure-8**.

17 The PP reported that Public Hearing (PH) for the expansion project was conducted by the Gujarat Pollution Control Board on 10.1.2023, which was presided by the Sub-Divisional Magistrate, Bhachau as representative of Collector & District Magistrate, Bhuj-Kutch. The main issues raised during the public hearing and their reply/commitment by the PP is as follows:

Sl. No.	Issues raised during public hearing (Sl.Nos. provided here is as furnished by the PP in Table)	Commitments/Reply given by the PP
1	Issues related to the Sl. Nos. 1, 2,3,4,12, 13, 14 is employment/needs and services for the local people, "Air pollution towards the Bhachau village	Project Proponent (PP) has committed that, we will consider suggestions during future employment. PP has committed that polluted air coming from the companies situated is coming towards Bhachau village in which we have checked ourselves and we have found that Aarti Industry is not emitting any polluted air which will cause us any problem. It is my humble request to you that GPCB may come forward to report to CPCB, since most of the four months of summer air comes from the south-west corner,polluted from eight to ten kilometers away, polluted air released at night disturbs the sleep of people in residential areas, self-examination reveals that the air is not so clean. PP will consider your suggestions and we will move forward by allocating some of the budget in CER as appropriate.

- Complied.**
Aarti Industries Ltd has given employment to locals, the details of which are attached in **Annexure-8.1**.


Aarti Industries Limited has contributed for CSR/CER activities as mentioned below in Bhachau and nearby region

 - 1.Constructed Shed at Sitarampura Shala. Bhachau. - 1.52 lakhs
 - 2.School building constructed for HDD Girl's School, Bhachau. - 25.58 Lakhs
 - 3.Large shed Constructed HDD Girl's School, Bhachau. - 12.89 Lakhs
 - 4.Shed & Civil work at Junawad school at Bhachau. - 2.33 Lakhs
 - 5.Uniform distribution to Gunatipur Primary School Bhachau - 0.58 Lakhs

The photographs for above activity as attached as below;



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<p>2 Issues related to the Sl. No 2, 9 10,11,16 is CSR funds and the school is located nearby the company .</p>	<p>PP has committed that the building of HDD Kanya Vidhyalaya worth 1.5 crores was constructed by the company and company had distributed around 4500 sweaters in 2021 to school children and we have supported many other schools. We shall make all acknowledgement of the letters to you as and you want. The representative of the project said that the plant of the company came in 2003 and the school was built later and 400 boys have been trained by the company in emergency situations have been planned. All the arrangements for the emergency plan have been made by the company. Letter received from beneficiary has been submitted.</p>	<p>2. Complied. Aarti Industries Limited has given employment to about 07 Nos of specially abled individuals in order to make them self reliant. Aarti Industries Limited has given training to school students for dealing in emergency situations . Letter from Swaminarayan Gurukul School in favor of the plant as attached below.</p> <div data-bbox="813 1120 1380 1332" data-label="Image"> </div> <p>ખાપડ નં. તા. ૬ / 1 / ૨૦૨૩</p> <p>પુનિ પ્રાદેશિક અધિકારી, શ્રી ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ ગાંધીધામ</p> <p>શ્રીમતી સારદા જીવણબેન જીવાણબાઈ કૃતિ તા. 10-1-23 ના રોજ આપણી ઇ. લાભાર્થે, અભ્યાસક્રમ કાર્યક્રમ તમારું અભ્યાસક્રમમાં આરો લોકસુખાચારી કરવા બદલ શ્રેય છે તેના આરે અમને અલ રાત્રે કંપની કાર્યો તમારું સંવેદનશીલ પ્રવૃત્તિઓને તમારું આ કંપનીના અભ્યાસક્રમમાં અમને કૃતિ બાદલ સરખું મળી તમારું અમને અલ રાત્રે કંપનીમાં આપણાર અભ્યાસક્રમમાં પ્રવૃત્તિઓને આપણારી ઇલેક્ટ્રીકલ પાડવાને હોય.</p> <p>શ્રી સ્વામિનારાયણ ગુરુકુલ શ્રી હરિકૃષ્ણ વેલ્ફેર ટ્રસ્ટ શ્રી સ્વામિનારાયણ ગુરુકુલ ભચાઉ કચ્છ.</p>

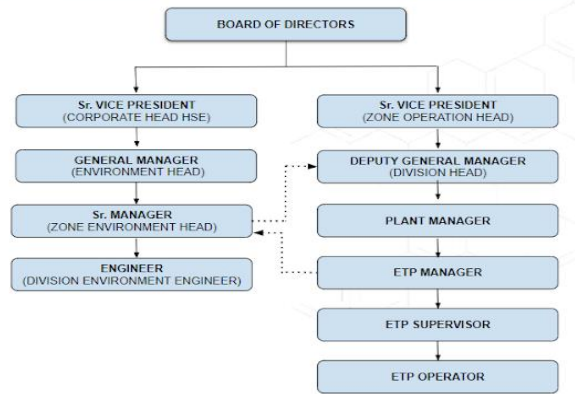
Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

3	Issues related to the Sl. Nos. 5 is impact on crop .	PP has committed we provide assurance to you for what you have said, we have many experts within our Aarti Foundation, which belong to the agricultural sector. If you think that this is due to the pollution of the Aarti industry, we will get it verified and work in a such way that the land becomes fertile. The team of Aarti Foundation is well versed in the agricultural sector. We have been fully successful in the same regard at Jhagadia. Farmer from Jhagadia nowadays invite us to ask for our advice on how to do things. If you think so, we are ready to help you.	3.	<p>Complied</p> <p>Further no any response received after public hearing from nearby area, still our Aarti foundation ready to help if any guidance is needed in the agricultural sector.</p>
4	Issues related to the Sl. Nos. 6 is inclusion of Scheduled Castes and Scheduled Tribes persons for employment and equal opportunities to be given to divyang people	We will consider your suggestion regarding employment to divyang people.	4.	<p>Complied.</p> <p>Aarti Industries Limited has given employment to about 07 Nos of specially abled individuals in order to make them self reliant.</p>
5	Issues related to the Sl. Nos. 7,17 is regarding the fatal accident, earthquake.	The project representative said that your suggestions are very good. Aarti Industries was the first industry to be established in Bhachau after the earthquake in 2000, and no one was willing to come to Bhachau, People were opting for Mandvi but though Bhachau was an epicenter of earthquake, Aarti Industries was ready to establish in 2003 in Bhachau. At that point of time, no one was	5.	<p>Complied.</p> <p>Aarti Industries Limited follows all the required safety standards as per applicable rules and would further enhance the standards based on requirement.</p> <p>Total fund allotted in CSR & CER activity by company 2.57 Cr in reporting period (April'24-Sept'24).</p>

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		ready to come so if you applaud and welcome it, Industry keep standards so high.	
6	Issues related to the Sl. Nos. 7 is like primary education, animal husbandry, agriculture, water storage etc. As shown in the presentation, Aarti Industries have been taking up many activities like water storage, primary education, waste water recycling inside & outside Kutch. If we talk about this whole matter, and briefly talk about the whole of Kutch, it will be very lengthy. Very first sewage waste water recycling plant was installed 32 years ago in Kutch by Hon'ble Mr. Chandrakant Gogri, who is a chemical engineer himself.	The representative of the project said that you have rightly pointed and actively participated in the skill development and other activities of Aarti industries. Project proponent said thanks for all appreciation.	6. Noted Appreciation remarks.
7	Issues related to the Sl. Nos. 13 & 14 are w.r.t drainage issue	The representative of the project said that the requirement of revamping of existing drainage as suggested and we will work together in that direction along with Shri Lalbhai.	7. Aarti Foundation will work in coordination with local municipal cooperation for revamping of existing drainage.
18.	The PP proposed to set up an Environment Management Cell (EMC) by engaging General manager (Environment Head) Senior manager (Zone Environment Head) - Engineer (Division Environment Engineer) for the functioning of EMC.		Complied. The unit has set up the Environment Management Cell (EMC) by engaging General manager (Environment Head) Senior manager (Zone Environment Head) - Engineer (Division Environment Engineer) for the functioning of EMC.

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19. The PP submitted the Disaster Management Plan and Onsite and Offsite Emergency Plans in the EIA report.

Complied
Unit has submitted an onsite offsite emergency plan to DISH. A copy of the same is attached as **Annexure-9**.

20. The PP reported that the carbon emission increases due to the proposed project which is about 1,72,910 tCO₂e/Annum. AIL will adopt various mitigation measures to reduce the emission of carbon, the details of mitigation measures to be taken are mentioned. After taking the several steps, AIL will be able to reduce 52,497 tCO₂e/Annum. Also, several other initiatives will be taken by AIL, which will help in reducing the CO₂ emission by the Organization.

Complied
The unit has carried out plantation work of about 12500 trees, a step towards reducing carbon emission. (12500*20= 250000 kg) per Annum.
Unit has initiated sending waste to co-processing in Cement industries, instead of landfill/incineration.
Unit is also using LED lights for energy conservation.

Summary of the same is added herewith ;

Sr No.	Activity	Ton CO ₂ e (Apr'24-Sep t'24)
1	Replacing traditional lights with LED	13
2	Tree plantation	250
3	Diverting landfill waste to coprocessing	494
4	Use of hybrid power (Solar power of 1.3 MW)	3987
5	Process improvement: Reduction in Specific heat requirement and reduction in steam consumption (Reduction of Coal consumption by 8528.7 MT /Year)	15522
6	Process Improvement : Transfer hot water to Top condenser by pressure in place of Hot water transfer	12059

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		<table border="1"> <tr> <td data-bbox="762 273 852 376"></td> <td data-bbox="852 273 1331 376"> pump (Electricity Saving 29304 kwh/year) </td> <td data-bbox="1331 273 1509 376"></td> </tr> <tr> <td colspan="2" data-bbox="762 376 1331 427" style="text-align: right;">Total</td> <td data-bbox="1331 376 1509 427" style="text-align: center;">32325</td> </tr> <tr> <td colspan="2" data-bbox="762 427 1331 517" style="text-align: right;">% Target Meet against (26248 MT/six month)</td> <td data-bbox="1331 427 1509 517" style="text-align: center;">123.15%</td> </tr> </table>		pump (Electricity Saving 29304 kwh/year)		Total		32325	% Target Meet against (26248 MT/six month)		123.15%
	pump (Electricity Saving 29304 kwh/year)										
Total		32325									
% Target Meet against (26248 MT/six month)		123.15%									
<p>21.</p>	<p>The estimated total project cost is Rs. 129.26 Crore including existing investment of Rs. 55.81 Crore and the proposed expansion investment of Rs. 73.45 Crore. Total employment will be ~150 number during construction phase (indirect) and ~1176 number during operation phase (i.e. Direct - Existing: 426 + Proposed: 100 = 526 and Indirect - Existing 500 + Proposed 150 = 650) after proposed expansion.</p>	<p>Complied. The unit has received EC to CCA AWH-131855 dated 02.02.2024, cost after phase 1 is 104.93 Cr. Rest of the investment would be done in the next phase of CCA.</p> <p>Data for manpower as below in table:</p> <table border="1"> <thead> <tr> <th data-bbox="762 770 1131 835">Employee type</th> <th data-bbox="1131 770 1509 835">No's</th> </tr> </thead> <tbody> <tr> <td data-bbox="762 835 1131 898">Company</td> <td data-bbox="1131 835 1509 898">514</td> </tr> <tr> <td data-bbox="762 898 1131 960">Contractual</td> <td data-bbox="1131 898 1509 960">930</td> </tr> <tr> <td data-bbox="762 960 1131 1023" style="text-align: center;">Total</td> <td data-bbox="1131 960 1509 1023" style="text-align: center;">1444</td> </tr> </tbody> </table>	Employee type	No's	Company	514	Contractual	930	Total	1444	
Employee type	No's										
Company	514										
Contractual	930										
Total	1444										
<p>22.</p>	<p>The EAC constituted under the provisions of the EIA Notification, 2006 comprising expert members/domain experts in various fields, examined the proposal submitted by the PP in desired format along with the EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the PP.</p>	<p>Complied</p>									
<p>23.</p>	<p>Based on the proposal submitted by the PP and recommendations of the EAC (Industry- 3 Sector), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for the "Proposed Expansion of Synthetic Organic Chemical Industry (Dyes & Dye Intermediates, Bulk Drugs and intermediates Excluding Drug Formulation, Synthetic Rubbers, Basic Organic Chemicals, Other Synthetic Organic Chemicals and Chemical Intermediates) of Total Production Capacity 4,04,720 TPA located at Plot No. 1430/1, NH No. 8A, Taluka Bhachau, District Kutch, State Gujarat by M/s. Aarti Industries Limited" under the provisions of the EIA Notification 2006 and its subsequent amendments subject to the compliance of terms and conditions as under:-</p>	<p>Noted</p>									
<p>A.</p>	<p>Specific Conditions:</p>										

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i The PP shall develop Greenbelt over an area of at least 40,609.86 m² (Internal: 12,609.86 m² + Proposed: 28,000 m²), by planting 11,600 trees in within a year of grant of EC. The saplings selected for the plantation should be of sufficient height, preferably 6-ft. The budget earmarked for the plantation shall be kept in separate account and should be audited annually. PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.

Complied
Details of Green Belt Area as in table below:

Sr No	Status as on Date	Area (m ²)	Location	% of Total Plot area
1	Developed	13609.86	Within premises	13.29
2	Developed	28000	200 m to the unit	29.5
	Total Green Belt Area	40,609.86	Within and outside premises	42.79

Photographs attached as **Annexure-8**.

ii A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/ specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions and shall also engage General manager (Environment Head) Senior manager (Zone Environment Head) - Engineer (Division Environment Engineer. In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.

Complied
The unit has set up the Environment Management Cell (EMC) by engaging General manager (Environment Head) Senior manager (Zone Environment Head) - Engineer (Division Environment Engineer) for the functioning of EMC..

Organogram as attached below:

```

    graph TD
      Board[BOARD OF DIRECTORS] --> VP1[Sr. VICE PRESIDENT (CORPORATE HEAD HSE)]
      Board --> VP2[Sr. VICE PRESIDENT (ZONE OPERATION HEAD)]
      VP1 --> GM[GENERAL MANAGER (ENVIRONMENT HEAD)]
      GM --> SM[Sr. MANAGER (ZONE ENVIRONMENT HEAD)]
      SM --> Eng[ENGINEER (DIVISION ENVIRONMENT ENGINEER)]
      VP2 --> DGM[DEPUTY GENERAL MANAGER (DIVISION HEAD)]
      DGM --> PM[PLANT MANAGER]
      PM --> ETPM[ETP MANAGER]
      ETPM --> ETPS[ETP SUPERVISOR]
      ETPS --> ETO[ETP OPERATOR]
      Eng -.-> DGM
      Eng -.-> ETPM
  
```

iii The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures

Complied
Unit has spent 43.12 Cr as capital cost EMP and 6.79 Cr as Recurring Cost (operation and maintenance) for the said compliance period.

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	<p>relating to the project shall be implemented. The budget proposed under EMP is ₹ 48.34 Crore (Capital cost) and ₹ 42.774 Crore per annum (Recurring cost) shall be kept in a separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.</p>	<p>Detail of budget spend is as mentioned in Annexure-7. Remaining budget would be spent at a later stage.</p> <p>Unit is submitting details of EMP cost and activities in this report on a half yearly basis, so the unit is not submitting the same separately.</p>														
iv	<p>The total water requirement after the proposed expansion will be 4274 KL/day (Existing: 1075 KLD + Proposed 3199 KLD) of which fresh water requirement of 2983 KL/day (Existing 949 KLD + Proposed 2034 KLD) shall be met from Gujarat Water Infrastructure Limited (GWIL). The PP should ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawal only after obtaining valid agreement from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year.</p>	<p>Complied</p> <p>Unit has a water source as Gujarat Water Infrastructure Limited (GWIL). The permission letter from GWIL as attached in Annexure-4.</p> <p>Pls refer to condition no 11 for detailed compliance.</p> <p>Unit is submitting details of water consumption in each six monthly EC compliance report , therefore the unit is not submitting the same separately to IRO, MoEF & CC Gandhinagar.</p>														
v	<p>Total Industrial Effluent after the proposed expansion will be 1266 KLD (Existing: 128 KLD + Proposed 1138 KLD) quantity shall be treated through Effluent Treatment Plants & Sewage of 68 KLD shall be treated in Sewage Treatment Plant. The plant shall be based on Zero Liquid Discharge system.</p>	<p>Complied</p> <p>Unit has not exceeded the specified quantity mentioned in the CCA. Unit is also maintaining the zero liquid discharge (ZLD).</p> <p>Water balance diagram as attached in Annexure-10.</p> <table border="1" data-bbox="778 1552 1481 1892"> <thead> <tr> <th>Month</th> <th>Wastewater Generated (KLD)</th> </tr> </thead> <tbody> <tr> <td>April 24</td> <td>77.640</td> </tr> <tr> <td>May 24</td> <td>123.381</td> </tr> <tr> <td>June 24</td> <td>143.440</td> </tr> <tr> <td>July 24</td> <td>111.423</td> </tr> <tr> <td>Aug 24</td> <td>97.403</td> </tr> <tr> <td>Sept 24</td> <td>93.000</td> </tr> </tbody> </table> <p>Stagewise Reduction of Parameters of Effluent are as below.</p>	Month	Wastewater Generated (KLD)	April 24	77.640	May 24	123.381	June 24	143.440	July 24	111.423	Aug 24	97.403	Sept 24	93.000
Month	Wastewater Generated (KLD)															
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Sr. No.	Parameters	Unit	Inlet Characteristics of ETP Stream	Primary Outlet	Secondary Outlet	Outlet Characteristics of ETP Stream (Tertiary)
1	pH	-	7 - 8	7.5-8.5	7-7.5	7 - 8
2	TSS	mg/l	200-300	80-100	60-75	50-60
3	TDS	mg/l	3000-5000	3000-5500	3000-5500	3000-5000
4	COD	mg/l	13000-16000	11000-14500	200-300	150-250
5	BOD	mg/l	4000 - 5000	3500-4000	60-80	40-60

Characteristics for RO feed , permeate and Reject for process and Utility Blowdown:

Sr. No.	Parameters	Unit	ETP Outlet	Utility Reject	Combine feed to RO	RO Permeate	RO Reject
1	pH	-	7 - 8	7.5-8.5	7.5-8.5	7-8	6.5-7.5
2	TSS	mg/l	50-60	100-150	50-100	10-20	250-350
3	TDS	mg/l	3000-5000	5000-8000	4000-6000	10-50	10000-15000
4	COD	mg/l	150-250	30-50	50-80	5-8	150-200

Characteristics of MEE Feed and Condense:

Sr. No.	Parameter	Unit	MEE Feed	MEE Condensate
1	pH	-	6.5-7.5	7-8
2	TSS	mg/l	250-350	10-20
3	TDS	mg/l	10000-15000	10-50
4	COD	mg/l	150-200	5-8

Photographs of ETP, RO, MEE & ATFD are attached herewith

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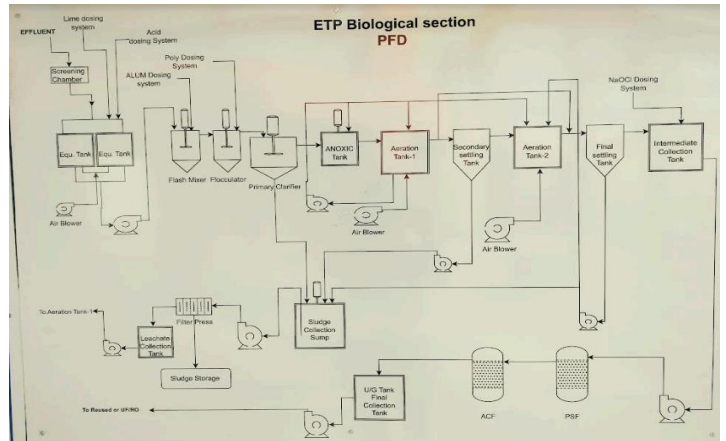


[Fig : ETP Area (MEE/ATFD Section)]

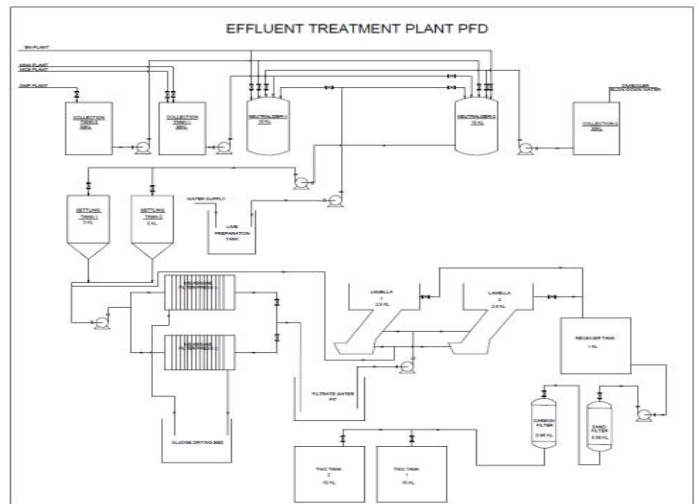


[Fig : ETP Area (Biological System)]

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[Fig : Treatment Scheme - Effluent Treatment Plant Biological section]



Month	Sewage Generated KLD
April 24	22.700
May 24	24.613
June 24	29.100
July 24	28.806
Aug 24	30.065
Sept 24	13.433

vi The proposed new boiler (36 TPH) shall be dual-fired boiler, wherein biomass shall be used as a primary fuel and coal as a secondary fuel i.e. only upon non-availability of biomass.

Noted for compliance.
The Unit has not installed a new boiler (36 TPH) currently. The proposed new boiler (36 TPH) shall be installed in the next phase of CCA Amendment Application.

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

vii	No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.	<p>Complied</p> <p>No banned chemicals manufactured by the Unit. No banned raw materials are being used in the unit. The unit will adhere to the notifications/guidelines of the Government in this regard.</p>
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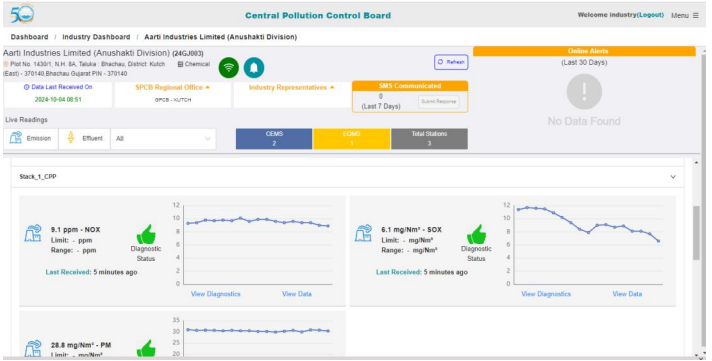
vii i	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	<p>Complied</p> <p>Unit is Zero Liquid Discharge (ZLD).</p> <p>Unit has done tree plantation of around 13000 nos in order to capture Carbon.</p> <p>Unit has installed a Heat recovery system, waste steam recovery is being done , generation of low pressure steam from waste heat, economize is installed in a 12 & 15 TPH boiler to utilize heat that would be wasted and other measures.</p> <p>Please refer below table for detailed carbon reduction achieved in the reporting year by the unit.</p>
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Sr No.	Activity	Ton CO2e (Apr'24-Sept'24)
1	Replacing traditional lights with LED	13
2	Tree plantation	250
3	Diverting landfill waste to coprocessing	494
4	Use of hybrid power (Solar power of 1.3 MW)	3987
5	Process improvement: Reduction in Specific heat requirement and reduction in steam consumption (Reduction of Coal consumption by 8528.7 MT /Year)	15522
6	Process Improvement : Transfer hot water to Top condenser by pressure in place of Hot water transfer pump (Electricity Saving 29304 kwh/year)	12059
Total		32325
Target Meet (Apr'24-Sept'24) against (26248 MT/six month)		123.15%

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ix	<p>The project proponent shall comply with the environment norms for 'synthetic organic chemical as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21st July, 2010 under the provisions of the Environment (Protection) Rules, 1986.</p>	<p>Complied</p> <p>Unit is complying with the sector wise norms for effluent treatment plant and air emissions, please refer EC condition 13 and Annexure-6.</p> <p>The unit is carrying out regular Monitoring of emission and effluent through NABL approved laboratory.</p>						
x	<p>All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.</p>	<p>Complied</p> <p>Unit has submitted an onsite and offsite emergency action plan to DISH and the same is attached as Annexure-9.</p> <p>Mock drill report attached as Annexure-11.</p>						
xi	<p>The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97% with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.</p>	<p>Complied</p> <p>Chillers are used in order to control VOC.</p> <p>No solvent utilized for manufacturing as per existing product list. All process vents are in a closed loop. The Unit is Continuously monitored VOC by portable instruments in the plant area. The unit is also monitored the VOC by NABL/MOEF & CC / GPCB authorized parties (Eco Earth Technologies.) on a monthly basis for the same. Reports for the same as attached in Annexure-12.</p>						
xii	<p>The project proponent shall explore possibilities for recycling and reusing of treated water in the unit to reduce the fresh water demand and waste disposal.</p>	<p>Complied</p> <p>Unit is already designed as a ZLD unit.</p> <p>The Unit is ZLD, quantity of recycling detail is given as below:</p> <p>Quantity of last 6 month Condensate recovery and waste water recycled are as below:</p> <table border="1" data-bbox="778 1794 1465 1995"> <thead> <tr> <th>Month</th> <th>Treated Wastewater (MEE Condense, RO permeate, STP) Recycle (in KL)</th> <th>Condensate recycle (in KL)</th> </tr> </thead> <tbody> <tr> <td>April 24</td> <td>1718.00</td> <td>11806.60</td> </tr> </tbody> </table>	Month	Treated Wastewater (MEE Condense, RO permeate, STP) Recycle (in KL)	Condensate recycle (in KL)	April 24	1718.00	11806.60
Month	Treated Wastewater (MEE Condense, RO permeate, STP) Recycle (in KL)	Condensate recycle (in KL)						
April 24	1718.00	11806.60						

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

		<table border="1"> <tr> <td>May 24</td> <td>3210.00</td> <td>13139.80</td> </tr> <tr> <td>June 24</td> <td>3367.00</td> <td>11066.46</td> </tr> <tr> <td>July 24</td> <td>2727.94</td> <td>10041.30</td> </tr> <tr> <td>Aug 24</td> <td>2790.00</td> <td>7347.50</td> </tr> <tr> <td>Sept 24</td> <td>2596.00</td> <td>6084.10</td> </tr> </table>	May 24	3210.00	13139.80	June 24	3367.00	11066.46	July 24	2727.94	10041.30	Aug 24	2790.00	7347.50	Sept 24	2596.00	6084.10
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July 24	2727.94	10041.30															
Aug 24	2790.00	7347.50															
Sept 24	2596.00	6084.10															
<p>xii i</p>	<p>Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.</p>	<p>Complied</p> <p>Unit has installed OCEMS as per CPCB guidelines published in 2018 and amended from time to time.</p> <p>The screenshot for the same as attached below:</p> 															
<p>xi v</p>	<p>The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.</p>	<p>Complied</p> <p>The Unit will submit the Quantity and days of storage to the RO of Ministry and SPCB along with the compliance report once the project is implemented.</p> <p>Storage details in Annexure-13.</p> <p>All storage tanks are maximum filled with 80% of their capacity. Level transmitter and level switches are available in Storage tanks.</p>															
<p>xv</p>	<p>The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.</p>	<p>Complied</p> <p>Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act.</p> <p>Following check up has been carried out in periodical medical checkup.</p> <p>- General checkup (height, weight, pulse, BP etc)</p>															

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

		<ul style="list-style-type: none"> - 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 <p>Details of health surveillance of the employees and contract workers are given below :</p> <table border="1" data-bbox="778 728 1492 929"> <thead> <tr> <th data-bbox="778 728 1114 862">Month of Medical surveillance</th> <th data-bbox="1114 728 1300 862">Total no. of Permanent Employees</th> <th data-bbox="1300 728 1492 862">Total no. of Contract Employees</th> </tr> </thead> <tbody> <tr> <td data-bbox="778 862 1114 929">June 2024</td> <td data-bbox="1114 862 1300 929">229</td> <td data-bbox="1300 862 1492 929">207</td> </tr> </tbody> </table> <p>Report as attached in Annexure-14.</p> <p>Employees are provided with safety shoes, safety helmet, goggles, mask, ear muffs, hand gloves, cartridge mask as per requirement, and others as per specific job.</p>	Month of Medical surveillance	Total no. of Permanent Employees	Total no. of Contract Employees	June 2024	229	207
Month of Medical surveillance	Total no. of Permanent Employees	Total no. of Contract Employees						
June 2024	229	207						

<p>xv i</p>	<p>Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.</p>	<p>Complied.</p> <p>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.</p> <p>Photograph of training conducted on safety awareness are as follows ;</p> 
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Sr No	Safety and Health aspects training to employes	
1	Total Employees participate in Safety & Health training	153
2	Safety Induction	32

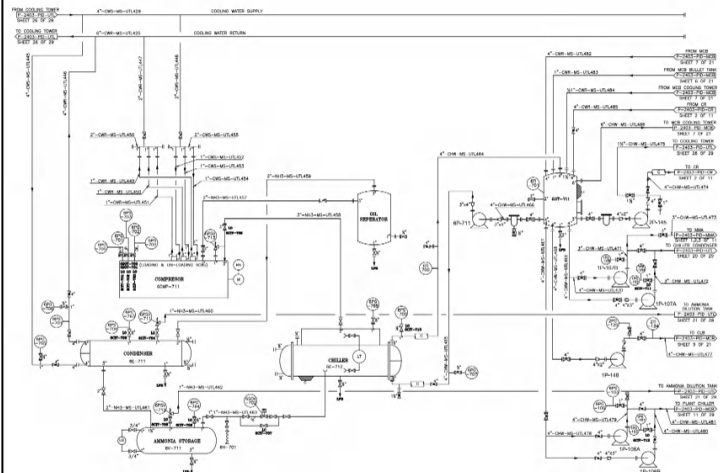
xv
ii The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.

Complied.
Unit is well equipped with a fire fighting system for possible fire hazards. The details of the fire fighting system is as attached in **Annexure-14.1.**

xv
iii The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be fire proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.

Complied
The Unit will carry out the solvent management as follows **as and when solvent is being used:**
(a) Reactor will be connected to a chilled brine condenser system. Close loop system with chiller as attached below:

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- (b) Reactor and solvent handling pump to have mechanical seals to prevent leakages.
- (c) Solvents will be stored in a separate space specified with all safety measures.
- (d) Proper earthing will be provided in all the electrical equipment wherever solvent handling is done.
- (e) Entire plant fire proof. The solvent storage tanks provided with a breather valve to prevent losses.

Certificate of flame proof motor being used at plant as in fig below:

Routine Test Certificate

For 3 Phase Induction Motor

Customer: Citrus Agencies

ORDER NO. & DATE: 7

Ident No & Date: 7

Motor No.: 3.70PF2

Kilo Watt: 3.7

Volts: 415+-10%

Amps / Conn: 8.90D

RPM: 2930

Bearing DE/CDE: 6206ZZ/6206ZZ

Space Heater:

Thermistor:

Frame: E100L

Duty: S1

Freq: 50+-5%

Rating: CONT

Amb: 50°C

Mounting: B3

Deg of protn: IP55

Issue Date: 20/05/2020

Excise No: TCAM 10997

Insu.Class: F

EH FL: 87.80 IE3

Gas Group: IA/IB

Enclosure: FLAME PROOF

Type: SCR

Test	Volts	Amps 1	Amps 2	Amps 3	Watts
No Load	415	2.2	2.2	2.2	154
Locked Rotor	135	14.1	14.1	14.1	1253

Resistance Between Terminal: STATOR 1.83 Ohm at amb. 30°C

Insulation Resistance (Before & after HV test): Above 100 Megaohm

Reduced voltage running up test at 1/√3 rated voltage: OK

1h Voltage Test at 2000 V for 1 min: OK

Open Circuit rotor volts (For slipring motors only):

Other Details : NL RPM 2930 48.00 Hz

Test witnessed by :

We certify this motor has been tested as per IEC60034-1 and results found satisfactory
Certificate is electronically generated hence no signature is require

Quality Assurance
LT Motor Division

*Motor is tested under controlled conditions & at no load. Test data may differ at site due to improper connection, poor power quality & if tested with coupled condition. Always read operation & maintenance manual carefully before installing the motor.

TESTED OK

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- (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.

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<p>xi x</p>	<p>The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.</p>	<p>Complied.</p> <p>Rain water Harvesting provided for admin building area 888 m2 for that we have provided 20 KL tank. Water harvested being used for cooling tower. Total water harvested about 400 KL for 1 season.</p> <p>Unit assures to provide rain water harvesting at all possible locations & shall reuse the water in different industrial processes.</p> <p>Proposed Area:</p> <ol style="list-style-type: none"> 1. Hazardous waste storage Area: 900 m2. 2. New RO Building : 58 m2 <p>Total about 420 KL water additional would be harvested.</p> <p>No recharge is being done within the premises.</p> <p>Separate transfer line (closed pipelines) provided to transfer process effluent/any wastewater generated to effluent treatment plant for further treatment and reuse.</p>
<p>xx</p>	<p>The PP shall undertake waste minimization measures as below: (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes; (c) Use of automated filling to minimize spillage; (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system; and (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.</p>	<p>Complied.</p> <p>Unit is undertaking all the measures for waste minimization.</p> <ol style="list-style-type: none"> a) Metering is provided to control quantities of active ingredients. b) Reuse of by-products from the process as raw materials c) Automated and enclosed filling system available to minimize spillage. Also dyke available for any storage tank farm. d) Unit uses a closed feed system into batch reactors. e) Venting equipment through vapour recovery system is provided f) High pressure hoses use for cleaning to reduce wastewater generation. <p>Additional unit is also doing below mentioned activities:</p> <ol style="list-style-type: none"> i) Recycling of washes to subsequent batches ii) Recycling of steam condensate. iii) Dry cleaning / mopping the floor instead of floor washing. iv) Regular preventive maintenance for avoiding leakage, spillage, reduce noise pollution etc. v) Level indicator , level switches are available for tanks and reactors.
<p>xx i</p>	<p>The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be</p>	<p>Complied</p> <p>All the activity addressed during public hearing and issues related to socio-economic conditions are being under</p>

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	completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.	implementation. Kindly refer to compliance of condition no. 17 for details.
B	General Conditions:	
i	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	<p>Noted</p> <p>The Unit will take prior permission for any expansion or modification. Unit has received CCA Amendment AWH-131855 dated 02nd Feb 2024 valid up to 31st December 2024.</p>
ii	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans- Boundary Movement) Rules, 2016 and other rules notified under various Acts.	<p>Complied.</p> <p>Under MSIHC Rules 1989 Our Unit is strictly complying with the rules and regulations under Manufacture, Storage and Impact of Hazardous Chemicals Rules, 1989 as amended the below mentioned compliance are available with the company.</p> <ul style="list-style-type: none"> ● Onsite / Offsite emergency Plan ● Schedule 7. ● Safety Report ● Factory License ● PESO License <p>Unit is equipped with fire tender and Ambulance in order to respond to any accidents, the photographs for fire tender and Ambulance are as attached in Annexure-15.1.</p> <p>PLI Policy No 0304011371 00 00 with validity upto 08/01/2025 and renewal application is also done.</p> <p>PLI Policy attached as Annexure-15.</p> <p>Under Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016:</p> <ul style="list-style-type: none"> ● We have authorization of all types of waste generated. Unit has a storage area for collection of hazardous waste. ● We have membership with the TSD/Incineration facility, MOU with actual end users for spent acids, and the unit has signed MOU with Cement Industry in order to send waste for co-processing by diverting from landfill/incineration.

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		<ul style="list-style-type: none"> All the hazardous waste vehicles are sent through the online GPCB XGN Manifest system only. All the vehicles are going through dedicated Hazardous waste vehicle equipped with AIS-140 enabled GPS System & with proper labeling & with all relevant documents.
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iii	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	<p>Complied</p> <p>Unit is using LED lights , lights with sensors are also installed as a step towards energy conservation.</p>
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iv	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	<p>Complied</p> <p>All the DG are provided with Acoustic Enclosures. Monthly Noise monitoring is being conducted by a MoEFF&CC recognized and NABL accredited laboratory. The results of the analysis are provided as in tabular form ;</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Stack</th> <th>Parameters</th> <th>April 24</th> <th>May 24</th> <th>June 24</th> <th>July 24</th> <th>Aug 24</th> <th>Sept 24</th> </tr> </thead> <tbody> <tr> <td rowspan="3">1</td> <td rowspan="3">D. G. Set-1</td> <td>PM</td> <td>25.65</td> <td>22.36</td> <td>21.25</td> <td>23.36</td> <td>21.41</td> <td>22.36</td> </tr> <tr> <td>SOx</td> <td>11.1</td> <td>11.08</td> <td>12.02</td> <td>11.02</td> <td>13.12</td> <td>13.06</td> </tr> <tr> <td>NOx</td> <td>24.69</td> <td>26.65</td> <td>25.36</td> <td>26.78</td> <td>25.36</td> <td>27.98</td> </tr> <tr> <td rowspan="3">2</td> <td rowspan="3">D. G. Set-2</td> <td>PM</td> <td>20.22</td> <td>23.21</td> <td>24.54</td> <td>22.21</td> <td>20.54</td> <td>23.54</td> </tr> <tr> <td>SOx</td> <td>11.69</td> <td>10.15</td> <td>11.1</td> <td>12.06</td> <td>10.69</td> <td>11.14</td> </tr> <tr> <td>NOx</td> <td>27.84</td> <td>25.98</td> <td>28.66</td> <td>27.45</td> <td>28.41</td> <td>26.77</td> </tr> </tbody> </table> <p>Also, industry has developed green belts in order to suppress the generated noise. Use of earplugs in high noise areas. Proper maintenance of equipment and tools are done which result in lower noise levels. At all locations the noise level is below 75 dBA (day time) and 70 dBA (night time) & a report of the same is attached as Annexure-16.</p> <table border="1"> <thead> <tr> <th rowspan="2">S No.</th> <th rowspan="2">Location</th> <th colspan="2">April 24</th> <th colspan="2">May 24</th> <th colspan="2">June 24</th> <th colspan="2">July 24</th> <th colspan="2">Aug 24</th> <th colspan="2">Sept 24</th> </tr> <tr> <th>Day Time</th> <th>Night Time</th> <th>Day Time</th> <th>Night Time</th> <th>Day Time</th> <th>Night Time</th> <th>Day Time</th> <th>Night Time</th> <th>Day Time</th> <th>Night Time</th> <th>Day Time</th> <th>Night Time</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Near CPP Area</td> <td>66</td> <td>63</td> <td>68</td> <td>65</td> <td>67</td> <td>63</td> <td>66</td> <td>62</td> <td>67</td> <td>63</td> <td>68</td> <td>64</td> </tr> <tr> <td>2</td> <td>Near DG Set 1 & 2</td> <td>67</td> <td>62</td> <td>67</td> <td>63</td> <td>68</td> <td>64</td> <td>67</td> <td>63</td> <td>68</td> <td>62</td> <td>66</td> <td>61</td> </tr> <tr> <td>3</td> <td>Near Boiler 1 & 2</td> <td>69</td> <td>65</td> <td>68</td> <td>64</td> <td>65</td> <td>63</td> <td>67</td> <td>62</td> <td>69</td> <td>63</td> <td>68</td> <td>64</td> </tr> <tr> <td>4</td> <td>Near ETP</td> <td>68</td> <td>62</td> <td>69</td> <td>64</td> <td>68</td> <td>65</td> <td>69</td> <td>64</td> <td>68</td> <td>62</td> <td>69</td> <td>63</td> </tr> </tbody> </table>	Sr No.	Stack	Parameters	April 24	May 24	June 24	July 24	Aug 24	Sept 24	1	D. G. Set-1	PM	25.65	22.36	21.25	23.36	21.41	22.36	SOx	11.1	11.08	12.02	11.02	13.12	13.06	NOx	24.69	26.65	25.36	26.78	25.36	27.98	2	D. G. Set-2	PM	20.22	23.21	24.54	22.21	20.54	23.54	SOx	11.69	10.15	11.1	12.06	10.69	11.14	NOx	27.84	25.98	28.66	27.45	28.41	26.77	S No.	Location	April 24		May 24		June 24		July 24		Aug 24		Sept 24		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	1	Near CPP Area	66	63	68	65	67	63	66	62	67	63	68	64	2	Near DG Set 1 & 2	67	62	67	63	68	64	67	63	68	62	66	61	3	Near Boiler 1 & 2	69	65	68	64	65	63	67	62	69	63	68	64	4	Near ETP	68	62	69	64	68	65	69	64	68	62	69	63
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		5	Near new fire water tank	59	52	62	55	63	52	60	55	62	54	60	55
		6	Near CaCl2 plant	66	61	68	62	65	61	66	62	65	60	67	62
		7	Near MCB Plant	67	63	65	59	66	62	58	56	60	55	63	58
		8	Near OHC	57	50	59	52	58	50	57	52	58	53	60	55
		9	Near Main Gate	64	53	63	55	65	52	66	53	63	52	65	53

v	<p>The company shall undertake all relevant measures for improving the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.</p>	<p>Noted The company undertakes all relevant measures for improving the socio-economic conditions of the surrounding area. The unit is continuously involved in various CSR/CER related activities at nearby areas by involving local villages and administration.</p> <p>Total fund allotted in CSR & CER activity by the company is 2.57 Cr in the reporting period (April'24-Sept'24).</p>																						
		<table border="1"> <thead> <tr> <th>Sr</th> <th>Category</th> <th>Expended Amount (INR)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Education</td> <td>16,261,236</td> </tr> <tr> <td>2</td> <td>Environment Infrastructure</td> <td>170,714</td> </tr> <tr> <td>3</td> <td>Water Mgt & Conservation</td> <td>1,901,281</td> </tr> <tr> <td>4</td> <td>Rural Area Development</td> <td>1,933,810</td> </tr> <tr> <td>5</td> <td>Women Empowerment</td> <td>250,000</td> </tr> <tr> <td>6</td> <td>others</td> <td>5,213,000</td> </tr> <tr> <td colspan="2">Total</td> <td>25,730,041</td> </tr> </tbody> </table>	Sr	Category	Expended Amount (INR)	1	Education	16,261,236	2	Environment Infrastructure	170,714	3	Water Mgt & Conservation	1,901,281	4	Rural Area Development	1,933,810	5	Women Empowerment	250,000	6	others	5,213,000	Total
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6	others	5,213,000																						
Total		25,730,041																						

vi	<p>The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.</p>	<p>Complied The Company has earmarked sufficient funds for Installation, Operation and maintenance of Environment management System and Operation of Pollution control measures. The details of the fund allotted as given below:</p>						
		<table border="1"> <thead> <tr> <th>Sr No</th> <th>Name</th> <th>Capital Cost in Cr</th> <th>Recurring Cost in Cr</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Air Pollution Control Systems</td> <td>1.96</td> <td>0.3</td> </tr> </tbody> </table>	Sr No	Name	Capital Cost in Cr	Recurring Cost in Cr	1	Air Pollution Control Systems
Sr No	Name	Capital Cost in Cr	Recurring Cost in Cr					
1	Air Pollution Control Systems	1.96	0.3					

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

		<table border="1"> <tr> <td>2</td> <td>Water Pollution Control Systems</td> <td>22</td> <td>4.22</td> </tr> <tr> <td>3</td> <td>Solid and hazardous waste management Systems</td> <td>3</td> <td>1.2</td> </tr> <tr> <td>4</td> <td>Environment management systems</td> <td>0</td> <td>0.24</td> </tr> <tr> <td>5</td> <td>Greenbelt Development (Tree plantation, boundary for protection)</td> <td>1.23</td> <td>0.45</td> </tr> <tr> <td>6</td> <td>Fire & Safety</td> <td>10.5</td> <td>0.37</td> </tr> <tr> <td>7</td> <td>Rainwater Harvesting</td> <td>0.1</td> <td>0.005</td> </tr> </table> <p>Total cost for environment protection measures : Capital Cost : 43.12 against 47.16 Cr Recurring Cost for the reporting period: 6.79 Cr Total of conservation plan & CER budget : Capital Cost : 0.00 Recurring Cost: 0.009</p>	2	Water Pollution Control Systems	22	4.22	3	Solid and hazardous waste management Systems	3	1.2	4	Environment management systems	0	0.24	5	Greenbelt Development (Tree plantation, boundary for protection)	1.23	0.45	6	Fire & Safety	10.5	0.37	7	Rainwater Harvesting	0.1	0.005
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7	Rainwater Harvesting	0.1	0.005																							
vii	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	<p>Complied</p> <p>Unit has submitted a copy of the clearance letter to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local Body the same is attached as Annexure-18.</p>																								
vii i	The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	<p>Noted</p> <p>Unit uploaded/submitted six monthly report on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status reports to be posted on the website of the company. Link : https://www.arti-industries.com/Upload/PDF/ec-compliance-oct-23-to-march-24-%20ail-anushakti-division-plot-no-1430.pdf</p>																								
ix	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended	<p>Complied</p> <p>Last Environment statement submitted for period April 2023 to March 2024 on 24/06/2024 to Regional offices the same attached as Annexure-19.</p>																								

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024		
	subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.	
<u>x</u>	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied The advertisement in local newspapers and in national newspaper published on 21st June 2023 , the copy of same also send to the regional office which is as attached in <u>Annexure-20</u> .
<u>xi</u>	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted. The Unit has submitted the Information Letter to the Regional Office as well as the Ministry, the date of financial closure and final approval of the project and the date of start of the project. The unit has applied for EC to CCA phase-1 and got the CCA Amd through no AWH-131855 dated 02.02.2024 valid upto 31.12.2024.
<u>xii</u>	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Not Applicable.
<u>24.</u>	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted
<u>25</u>	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result	Noted

Compliance report of EC Identification No. EC23A021GJ167443 Dated 17/06/2023 for the period of April 2024 to September 2024

	in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	
26.	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
27	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Noted

Annexure-1

Plant Area of Aarti Industries Limited (Anushakti Division)



[Fig : Entry gate]



[Fig : ESP]



[Fig : Tankfarm]



[Fig : ETP Area (MEE/ATFD Section)]



[Fig : ETP Area (Biological System)]



Annexure-2

CCA Copy



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous & Other Waste (Management & Transboundary Movement) Rules-2016, framed under the Environmental (Protection) Act-1986.

And whereas Board has received application inward No. 167490 dated 15/11/2019 for the Renewal Cum Consolidated Consent and Authorization (CC&A) of this Board under the provisions / rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

To,
M/s Aarti Industries Ltd. (Anushakti division),
Plot No: 1430/1, N. H. No- 8A,
Bhachau- 370140, Tal: Bhachau
Dist: Kutch.

1. Consent Order No. AWH- 106201 Date of Issue: 16/01/2020
2. The consent shall be valid up to 31/12/2024 for the use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for storage of the following items / products:

Sr. No.	Name of Products	Quantity (MT/Month)
(A)	Co-Generation Power Plant	4.0 MW
(B)	Chloro Products of Benzene, Toluene	3600
1.	Mono chloro Benzene (MCB)	3000
2.	Dichloro Benzene (PDCB, ODCB, & MDCB)	300
3.	1 2 4 TCB	100
4.	DiChloro Toluene Mixture	100
5.	Chloro Toluene Mixture	100
6.	Dichloro Para Nitro Aniline DCPNA	100
(C)	Mono nitro Derivatives of Benzene, Chlorobenzene or Toulene or Xylene or Cumene.	2000
1.	Nitrobenzene	500
2.	Para Nitro Chloro benzene(PNCB)	
3.	Ortho Nitro Chloro Benzene(ONCB)	
4.	Nitro Toluene Mixture	
5.	Nitro Xylene mixture	
6.	Nitro Cumene mixture	
7.	2,5-Di-chloro Nitro Benzene (2,5-DCNB)	1500
8.	2,5-Di-chloro Nitro Benzene (3,4-DCNB)	
9.	2,5-Di-chloro Nitro Benzene (3,5-DCNB)	
10.	2,5-Di-chloro Nitro Benzene (2,4-DCNB)	
11.	2,5-Di-chloro Nitro Benzene (2,4, 5-TCNB)	

Clean Gujarat Green Gujarat

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

CCA Amendment



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,

GANDHINAGAR - 382010,

(T) 079-23232152

CCA-Amendment

(AWH-131855)

No. PC/CCA-KUTCH- 228(13)/ GPCB ID-17766/782723

Date: 2/02/2024

To,
M/s. Aarti Industries Ltd., (New name)
M/s. Anushakti Division, (Old name)
Plot no. 1430/1, N. H. No- 8 A,
Tal: Bhachau,
Dist: Kutch- 370 140.

SUB: Amendment in the consolidated consent & Authorization of the Board.

- REF:** 1) CCA issued by this office vide order no- **AWH- 106201** dated 05/02/2020 valid up to 31/12/2024.
2) CTE-Amendment issued by this office vide order no. **122961** dated 09/12/2022 valid up to 13/07/2027.
3) Unit obtained deemed CTE based on TOR vide order dated 13/12/2022.
4) CTE-Amendment issued by this office vide order no. **129109** dated 27/09/2023 valid up to 09/07/2030.
5) CTE-Amendment issued by this office vide order no. **115599** dated 23/12/2021 valid up to 11/08/2026.
6) Your CCA Amendment Application Inward ID No. **288051** dated 30/09/2023.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous And Other Waste (Management and Transboundary) Rules, 2016 & framed under the Environment (Protection) Act-1986, The Board has granted CCA vide order No, **AWH- 106201** issued vide order no. PC/CCA-KUTCH-228(8)/GPCB ID-17766/553808 dated 05/02/2020.

The Board has right to review and amend the conditions of the said CCA and its amendment orders. Now, considering your application for CCA amendment inward ID No. **288051** dated 30/09/2023, the said CCA order is amended as below:

- The order shall be read as CCA amendment Order No.: **AWH- 131855** Date of Issue: 24/01/2024, valid up to 31/12/2024.
- The condition no. 2 of the said CCA is amended as below:
2. The consent shall be valid up to 31/12/2024 for the use of outlet for the discharge of treated effluent and emission due to operation of industrial plant manufacturing following items/ products:

Sr. No	Product Group	Production Quantity MT/Year		
		Existing as per CCA dated 05/02/2020	Proposed	Total After CCA-Amendment
A	Co-generation plant	4 MW	--	4 MW
B	Chlorination of Benzene, Toluene (Other derivatives)	43200	28000	71200

Annexure-3
Certified CCA Compliance



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

NO: GPCB/CCA-Kutch-228(11)/ID-17766/
To,
Director,
Ministry of Environment, Forest and Climate Change (IA.III Section),
Indira Paryavaran Bhavan,
Jor Bagh Road, New Delhi.

By R.P.A.D.
Date:-

Subject: Proposed expansion in existing facility at Survey no. 1430/1, NH-8-A, Bhachau,
Dist: Kutch.

Reference : 1. Letter of MoEF & CC, New Delhi Vide no. IA-J- 11011/293/2020-
IA-II(I) dated 28/04/2022.
2. Letter of M/s. Aarti Industries Limited vide order dated 07/09/2022.
3. CCA issued by Board vide order no. AWH-106201 vide order no.
PC/CCA-KUTCH-228(8)/GPCB ID:-17766/553808 dated
05/02/2020.

Sir,

In context to the above captioned subject and reference, as per the condition no. 3(XII)b of Terms of Reference for proposal activity by adding expansion of proposed in existing facility by adding synthetic organic chemicals of MoEF & CC, New Delhi vide order dated 28/04/2022.

Enclosed please find herewith latest inspection report wrt compliance of CCA conditions along with relevant details. This is for your information & further necessary action please.

This letter is issued after obtaining necessary permission from competent authority.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD


(T.C. Patel)
Unit Head

Encl: As above

Copy to:

✓ M/s. Aarti Industries Limited (Anushakti Division),
Survey no: 1430/1,
N. H. No 8-A, Bhachau,
Ta: Bhachau,
Dist: Kutch - 370 140.....for information please.

Outward No: 70053/2022/1/2023

1

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>

Annexure-4
GWIL Permission



GWIL

Gujarat Water Infrastructure Limited
(A Govt. of Gujarat Undertaking)

Dr. Jivraj Mehta Bhavan, Block No. 1, First Floor, Sector-10, Gandhinagar - 382 010.
Phone : (079) 23239637 + Mobile : 9978441147/48 + Fax : (079) 23222396
e-mail : gwilcompany1@gmail.com

No GWIL/Kutch/Ind.Conn./972

Date :

20.06.2020

To,
Senior Manager (C)
GWIL,
Anjar

Sub: - Release of water connection.

Aarti Industries Limited. Has executed the Supplementary Agreement for Additional Sanctioned Qty. of 0.500 MLD and previous 0.500 MLD (Total Quantity 1.00 MLD) on 17th June – 2020 for water requirement as Minimum 0.800 MLD and Maximum 1.100 MLD. The copy of agreement executed by them is enclosed herewith for releasing water connection, for your information and further necessary action in the matter. Minimum chargeable quantity is 0.800 MLD.

Aarti Industries Limited. Has to install new flow meter, Inline Electromagnetic/Ultrasonic with Data logger, totalizer, and battery operated (5 years life), IP 68 protection, with SMS every 24 hrs. (0.00hrs.) daily to Manager/DEE/Sr. Manager/EE and Head Office with reading content of –Name of Location, Flow Rate, Totalizer. On tempering high and low flow rate threshold, suitable up to 7 M/S, Line pressure 16/kg/cm². Integrated design, sealing and tempering alert, AMR specification and calibrated by NABL accredited lab/Institute or the institute as in agreement.


General Manager (C)


Encl.: Copy of Supplementary Agreement

Copy f.w.c.s. to: **Aarti Industries Limited**, Survey No. 1430/1, National Highway 8/A, Ta. Bhachau, Dist. Kutch (Copy of Supplementary Agreement)

Copy to: Company Secretary, GWIL, and Gandhinagar. For information.
(Encl.: Original Supplementary Agreement)


Copy to: Manager (F) for information.

Annexure-5
PGVCL Electricity Bill

Paschim Gujarat Vij Company Ltd.										
Reg. Off: Paschim Gujarat Vij Serva Sadan Off. Nava Nava Man Road, Laxminagar, Rajkot 360004 CIN: U40102GU2003SGC042908 GSTIN: 24AADCP143UC1ZZ PAN NO: AADCP1433C Website: http://www.pgvcl.com										
HT BILL FOR THE MONTH OF : APR-2024					By RPAD/Hand Delivery No.					
AARTI INDUSTRIES LIMITED I.S. NO. 1430/1 NH- B A, VILL BHACHAU TA BHACHAU-KUTCH 370140 BHACHAU					OFFICE OF EXEC. ENGINEER PGVCL Division Office Date: 03-05-2024					
										
SCAN to PAY										
Division Office Email Id:					Phone No:		Com. GSTIN: 24AABCA2787L1Z1			
Consumer No:	Tariff	Contract Demand	85% Contract Demand	Actual Max. Demand	Billing Demand	Excess Cont. DMD	SD Cash	Bank Guarantee		
31389	HTT-1	4000	3400	3350	3400		670680	21206474.00		
Supp Voltage	KVWH	KVAH	KVARH	Avg PF	MF	Actual Max DMD during day		PP Indicator		
11	1370950	1448800	455250	.946	5000					
Meter No:	Make	CTPT Make	CTPT Srno	CT Ratio	PT Ratio	Meter Constant	MC/MF/CD/TF	Meter Status		
GJ2729B	1601000093		5000					Normal		
	KVWH	KVAH	KVARH	AMD	PEAK HR	NIGHT HR	AMD DAY	AMD NIGHT		
Current R	30141.2	30340.59	2182.48		10014.11	10427.69				
Previous R	29867.01	30050.83	2091.43		9922.93	10333.69				
Difference	274.19	289.76	91.05		91.18	94				
DIT*MF	1370950	1448800	455250		455900	470000				
Old Met Cons.										
Enhanced Unit										
CONSUMPTION DETAILS										
A.Total Units	B.Night Units	C.TOU	D.1/3 Of Units in A		E.Night Concession Units		F.Connection Date	G.Consumer Type		
1370950	470000	455900	456953		470000		23-09-2004			
H.Recoverable SD		I.Seasonal Status	J.ED Exemption Upto			K.Details of Adjustments			CHQ DISHONOUR DT	
			28-03-2010							
CALCULATION OF CHARGES										
Demand Charges	DMD in KVA	Rate per KVA	Amount Rs							
1st 500 KVA	500	150	75000		Electricity Duty	KWH	Consumption Charges	ED Rate	Amount	Exempted Amount
2nd 500 KVA	500	260	130000			1370950	11332707.5	.15	1699906.13	0
Next	2400	475	1140000							
Excess DMD										
Tot Demand	3400		1345000							
SET OFF DETAILS										
	KVWH	Rate	Amount	Total->	Wind Energy	CPP	Open Access			
Energy Charges	1370950	.43	5895085.00	Units	0	0	0			
Night Rebate	470000	.43	202100	Amount						
				Adj (Credit)	0	0	0			
Fuel charge	1370950	2.85	3907207.50	Adj (Debit)	0		0			
PF Rebate	5895085	0.00%	0.00							
EHV Rebate	5895085.00	0.00	0.00							
TOU	455900	0.85	387515.00	AMG Charges						
GT Charges	1370950	1.50	0.00	CGST:			SGST:			
Tot Consumption Charge			11332707.50							
SUMMARY OF CHARGES										
Demand Charge	Energy Charge	Fuel Surcharge	PF Adj/Rebate	Night Rebate	EHV Rebate	Time Of Use Charges	GT Charges	Tot Consumption Charge		
1345000.00	5895085.00	3907207.50	0.00	202100.00	0.00	387515.00	0.00	11332707.50		
Electricity Duty	Meter Charges	Cross Subsidy	Wheeling Charges	Parallel Operation Charges		Current MOnth's Bill	Outstanding Arrears			
1699906.13	0.00					13032613.63	0.00			
Delayed Payment Charges	Adv.Payment / Adjst.	Net Payable	TCS	Total Payable	PREV.BILL TCS Cr	Reading Date	Bill Date	Due Date	Freeze Amount	
0.00	-2273382.23	10759231.40	0.00	10759231.40	0.00	01-05-2024	03-05-2024	13-05-2024	0.00	
Amount in Words: One Crores Seven Lakhs Fifty Nine Thousand Two Hundred And Thirty One And Forty Paise Only										
Msg: US 194Q OF IT ACT, TDS @0.1% IS APPLICABLE MC-Meter Change MF-Multiplication Factor CD-Contract Demand TF-Tariff Change							EXECUTIVE ENGINEER BHACHAU			
This is a system generated bill. Hence no signature required.										

Annexure-6

Process Stack Monitoring Report



Eco Earth Technologies

ECO EARTH TECHNOLOGIES
 (Analytical Laboratory Division)
 ISO 9001:2015, ISO 15001:2018 & ISO 14001:2015 Certified Company
 (GPCB RECOGNIZED SCHEDULED - II ENVIRONMENTAL AUDITOR)
 MAEF&CC /PCB RECOGNIZED LABORATORY UNDER ENVIRONMENT (PROTECTION) ACT, 1986
 Plot No. 3202/A/2/1, T-1, Multilevel Shed, Near Advance Paint, GIDC Ind. Estate
 Ankleshwar - 393 002, Dist. Bharuch, Gujarat, India. ☎ : +91 9601758907, 9409133006

Test Report / Certificate
Flue Gas Stack Monitoring

Report No	EET225824000004138	Date of Report	08.04.2024
-----------	--------------------	----------------	------------

SAMPLE DETAILS

1	Name & Address of Company	M/S AARTI INDUSTRIES LTD – ANUSHAKTI DIVISION SURVEY NO. 1430/1, N.H.NO 8-A, BHACHAU, TAL: KUTCH - 370140, GUJARAT, INDIA					
2	Sample ID	STM/2024/300509	3	Client Representative	Mr Divyesh Mayani		
4	Sampling Date	02.04.2024	5	Sample Location	Utility Area-CPP Boiler (30TPH)		
6	Sampling start Time	10:00 AM	7	Sampling Duration	30 Min		
8	Analysis Commenced on	03.04.2024	9	Analysis Completed On	08.04.2024		
10	Sampling Procedure	IS 11255 (Part 3): 2008	11	Sample Collected By	EET Team		
13	Test Requirement	Air Analysis of Flue Gas Stack Emission of CPP Boiler (30 TPH)					
15	Description of Sample	Sampling Bottle	Sealed	Filter Paper	Packed	Bladder	Sealed
16	Environment Condition During Sampling	25 ± 3 °C					
17	Environment Condition During Testing	25 ± 3 °C					

STACK DETAILS

Sr. No.	Parameter	Unit (SI)	Description
1	Source	-	CPP Boiler (30 TPH)
2	Height	m	30
3	Diameter	m	1.20
4	Temperature	°C	105.6
5	Velocity	m/s	8.12
6	Exist Gas Flow	Nm ³ /Hr	25992.54
7	Type of fuel used	-	Coal
8	Stack attached to	-	CPP Boiler (30 TPH)
9	Air Pollution Control Measure	-	Electro Static Precipitator & Dry Scrubber


TEST RESULT

Sr. No.	Parameter	Unit (SI)	Result	Permissible Limit/ GPCB Norms	Test Method
1	Particulate Matter	mg/Nm ³	15.36	150	IS 11255 (Part 1): 1985 (Reaffirmed 2014)
2	Sulphur Dioxide (SO ₂)	ppm	10.98	100	IS 11255 (Part2): 1985 (Reaffirmed 2014)
3	Oxides of Nitrogen (NO _x)	ppm	13.59	50	IS 11255 (Part 7): 2005 (Reaffirmed 2012)


[ND – Not Detect, BDL – Below Detection Limit]

Note: 1). Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 2). Re analysis sample will be done, if requested within 15 days from the date of reporting of sample if the sample are not consumed during analysis.
 3). The result reported above relate to the sample identified under sample details.

Analysed By

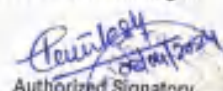


Checked By




End of the Test Report

For, Eco Earth Technologies



Authorized Signatory



Annexure-7

EMP Capital Cost and Recurring Cost

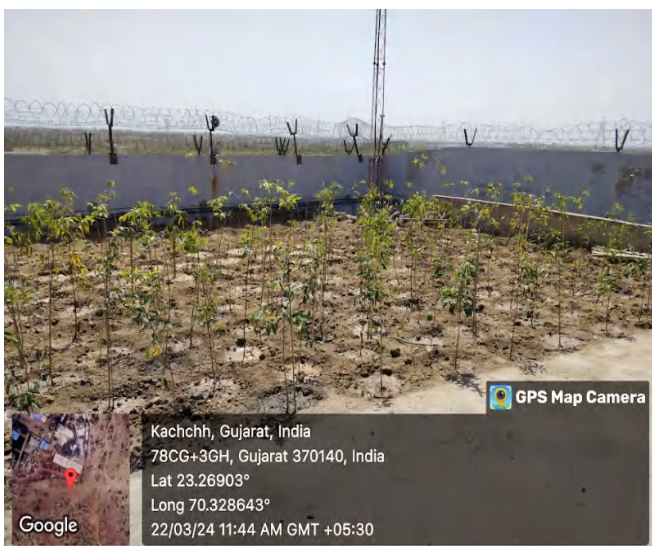
Sr. No.	Environment Attributes	Capital Cost for Pollution Control Systems	Approximate Capital cost (Rs. In Crores)	Operational Cost for Pollution Control Systems	Approximate recurring cost per annum (Rs. in Crores)
1	Air Pollution Control Systems	1. Installation of Pollution Control Equipment: Stacks, ESP, scrubber and allied equipment	1.96	1. Operation and Maintenance of Air Pollution Control Systems	0.3
		2. Online Continuous Emission Monitoring System		2. Chemical requirement	
				3. Operation and Maintenance of Online Continuous Emission Monitoring System	
2	Water Pollution Control Systems	Capital costs include Construction and Commissioning Costs for ETP, MEE, ATFD RO & STP.	22	Recurring costs include electrical, manpower and chemical costs for operational and maintenance of wastewater treatment plants and their associated cost.	4.22
3	Solid and hazardous waste management Systems	1. Hazardous Waste Storage Shed with drainage system	3	1. Storage/Disposal, Transportation Cost for Landfill/Incineration/co-processing of Solid Waste, Hazardous Waste etc.	1.2
		2. Solid Waste storage, conveying systems for solid waste disposal and disposal pit		2. Treatment, Storage and Disposal Facility (TSDF) facility and Common Hazardous Waste and Incineration. Facility (CHWIF), Co-processing of Waste charges.	
		3. Membership fee for Treatment, Storage and Disposal Facility (TSDF) facility and Common Hazardous Waste and Incineration Facility (CHWIF), Co-processing of Waste.			
4	Environment management systems	1. Consent to Establish	-	1. Consent to Operate Renewal Fees	0.24
		2. Consent to Operate Fees.		2. Manual monitoring of air, water, soil, noise quality.	
		3. Miscellaneous Studies		3. Environmental Audits	

5	Greenbelt Development	Tree plantation, boundary for protection	1.23	Maintenance of planted trees. Sapling cost	0.45
6	Fire & Safety	Fire water system, PPE, Fire extinguishers, ventilation, Occupational Health, First Aid etc.	14.92	Safety management maintenance cost	0.37
7	Rainwater Harvesting	Rain Water Harvesting/ Recharging if any	0.1	Maintenance of Storage tank	0.005
A	Total cost for environment protection measures		43.12		6.79
8	Conservation plan for schedule-I fauna/species	Plantation on Agriculture Hedges & public places/areas of Bhachau, Dayapar, Vondh, Chopdava and Navi Moti Charai villages. 150 plants for each village every year up to five years	0	Considering 20% mortality rate of tree plantation, maintenance cost	0.009
9	CER Budget	In area of education, environmental infrastructure development, skill development, greenbelt development	0	-	-
B	Total of conservation plan & CER budget		0	-	0.009
	Overall Total EMP Cost (A+B)		43.12	Total Cost	6.8

Annexure-8
Details of Plantation







Annexure-8.1

Employment Details for Aarti Industries Limited (Anushakti Division)

Residence	Count of Residence	Percentage %
Gujarat (outside Kutch)	341	66
Kutch District	69	13
Gujarat Total	410	80
Other State Total	104	20
Grand Total	514	100
Grand Total - (A+B+C+D)	514	

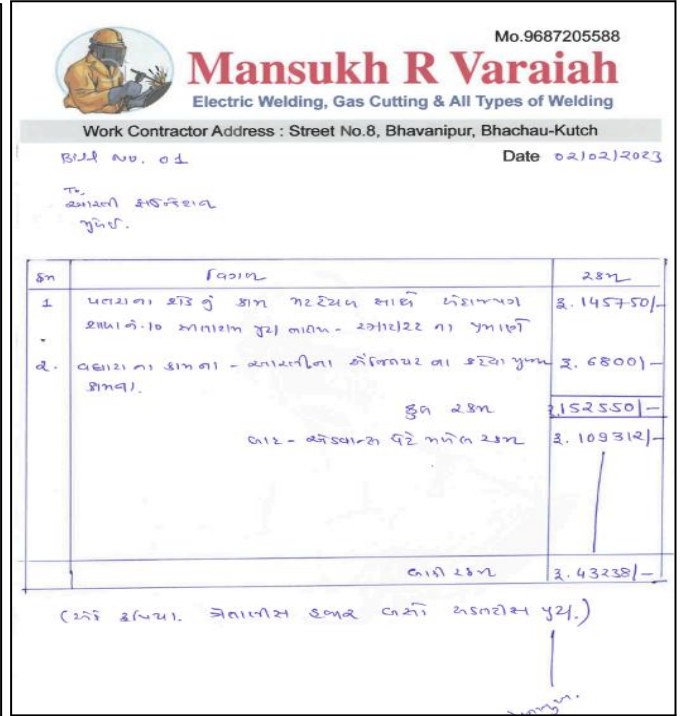
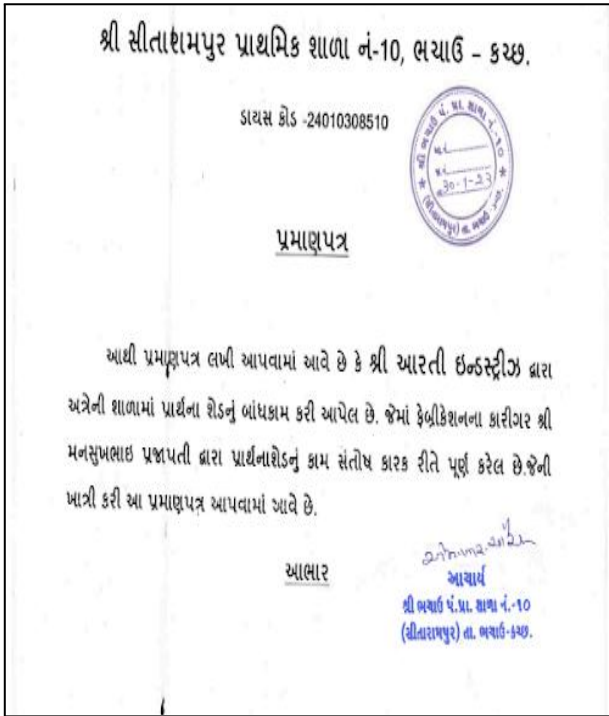
CER Activity Initiated and completed as per below

SR. No.	Year	Project	Activity	Fund Utilized in Rs/-
1	FY 2023-24	Education Welfare	Navneet Chandravallabh Mahila College (Matruvandana - Bidada)	1,000,000
2			Shree Ram-Krushna Dev Vidhya Sankul, Khadir (Sushil Trust)	6,103,591
3			Yusuf Meherally Centre (Vallabh Vidyalaya + Sagar Shala)	1,952,215
5			shed at Bhachau (HDD kanya shala school)	1,219,794
6			Shri Pragnalaxi Trust (HDD Girl's School)	625,000
7			shed work and civil work at Junawad school at Bhachau	233,900
8			Uniform distribution to Gunatipur Primary School	58,950
9			Khadir Development	1000000
10			Kutch Jal Mandir Abhiyan	35,80,411
Total				1,57,73,861

CSR Activity

SR. No.	Project	Activity	Fund Utilized in Rs/-
1	Livestock Development	Pashupalak Mitra at Khadir Area	300,000
2	Healthcare Facilities	Medical Help for Senior Citizens (Matruvandana - Bidada)	3,500,000
Total			38,00,000

- Constructed Shed at Sitarampura Shala no.10. Bhachau. - Amount 1.52 lakhs for Shed spent.



[Fig : Letter from School Principal]

[Fig : Invoice for Shed Construction]

- School building constructed for HDD Girl's School, Bhachau. - 25.58 Lakhs



- Large shed Constructed HDD Girl's School, Bhachau. - 12.89 Lakhs



- Shed & Civil work at Junawad school at Bhachau. - 2.33 Lakhs

જિલ્લા શિક્ષણ સમિતિ ભુજ સંચાલિત
શ્રી જુનાવાડા પ્રા.શાળા નં ૬ ભચાઉ - ૬૨૬૭
ડાયસ કોડ:૨૪૦૧૦૩૦૮૫૧૩
તાલુકા:ભચાઉ જિ:કચ્છ ધોરણ:૧ થી ૮
તા:૨૬/૦૮/૨૦૨૩

પ્રમાણપત્ર

આથી પ્રમાણપત્ર લખી આપવામા આવે છે કે આરતી ઇંડસ્ટ્રીઝ દ્વારા અગ્રે ની શાળામા પ્રાર્થના શેડનુ બાંધકામ કરી આપેલ છે. જેમા ડેવેલોપમેન્ટ કારીગર શ્રી મનસુખભાઈ પ્રજાપતી દ્વારા પ્રાર્થના શેડનુ કામ સંતોષકારક રીતે કામ પુર્ણ કરેલ છે. જેની ખાત્રી બદલ આ પ્રમાણપત્ર લખી આપેલ છે.

Shri
શ્રી જુનાવાડા પ્રા.શાળા નં-૬
ભચાઉ



[Fig : Shed work and civil work at Junawad school]

- Uniform distribution to Gunatipur Primary School Bhachau - 0.58 Lakhs



[Fig : Uniform distribution to Gunatipur Primary School]

- Aarti Industries Limited has given training to school students for dealing in emergency situations .



[Fig : Fire Fighting & Emergency preparedness training]

Annexure-9
On site emergency plan



014

21.11.2023

To,
The Deputy Director,
Industrial Safety and Health,
Near Lilashah Crossing Adipur,
Kutch-370140
Gujarat.

Subject: Submission of On Site Emergency Plan for Aarti Industries Limited Mfg. location at Survey No. 1430/1, Bhachau, Kutch.

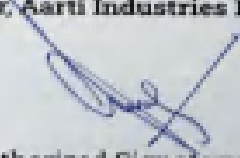
Aarti Industries Limited (AIL) operates a fully integrated manufacturing set-up of synthetic organic & specialty chemicals at Survey No. 1430/1, Bhachau, Kutch. We have updated the On Site Emergency Plan as per Sec 41 B (4) of The Factories Act 1948 & Gujarat Factories Rule 1963 -68J (12) Schedule 8A, Rule 13 (I) under MSIH Rule 1989. The updated On Site Emergency Plan is enclosed herewith for your record please.

Kindly acknowledge the receipt of the same and oblige.

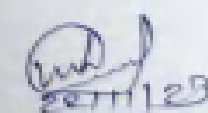
Thanking you in kind anticipation.

Yours Sincerely,

For, Aarti Industries Limited, Bhachau - Kutch


Authorized Signatory

Encl: On Site Emergency Plan (1 A 3 - 1 5)


21/11/23
શ્રી ડેપુટી
ડેપુટી ડાયરેક્ટર
ઉપરદીપલ સેક્ટી એન્ડ પીપ્લ ની સેક્ટી
આદિપુર-૩૭૦૧૪૦

www.aarti-industries.com | CIN : L24110GJ1984PLC007301

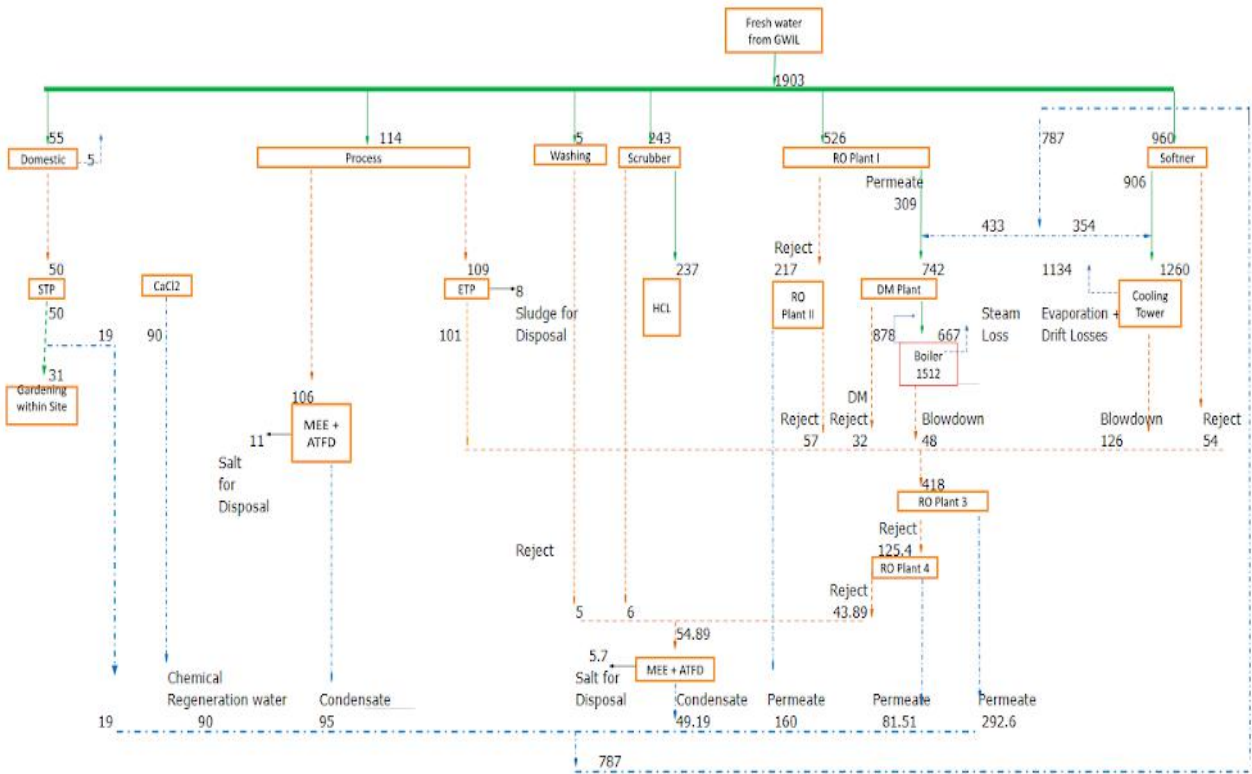
Regd. Office : Plot No. 801, 801/23, IIIrd Phase, GIDC Vapi-396195, Dist- Valsad, INDIA, T : 0260-2400366.

Factory : Survey No. 1430/1, N.H. No. 8-A, Bhachau, Ta-Bhachau, Dist-Kutch, Pin-370140. INDIA. Tel : +91 83538 85478

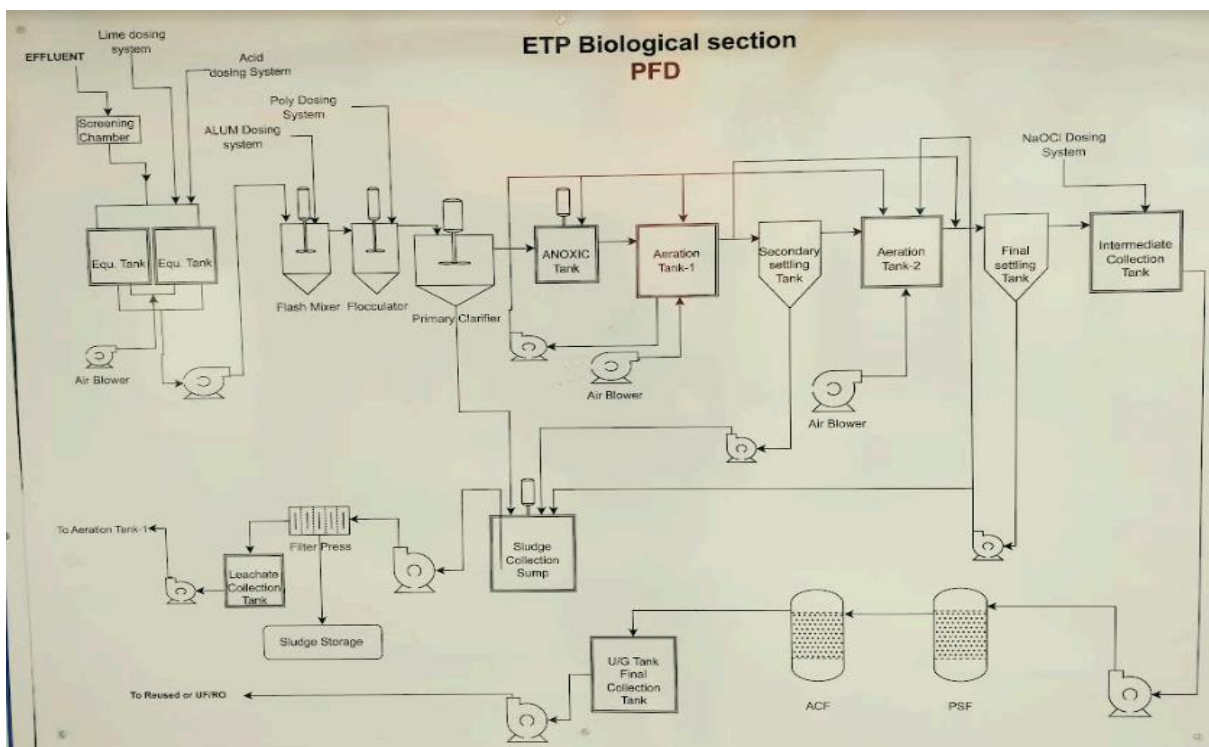
Admin. Office : 71, Udyog Kahera, 2nd Floor, Mulund Goregaon Link Road, Mulund(W), Mumbai - 400680, INDIA

T : 022 - 87978868, F : 022 - 2565 3234 | E : info@aarti-industries.com

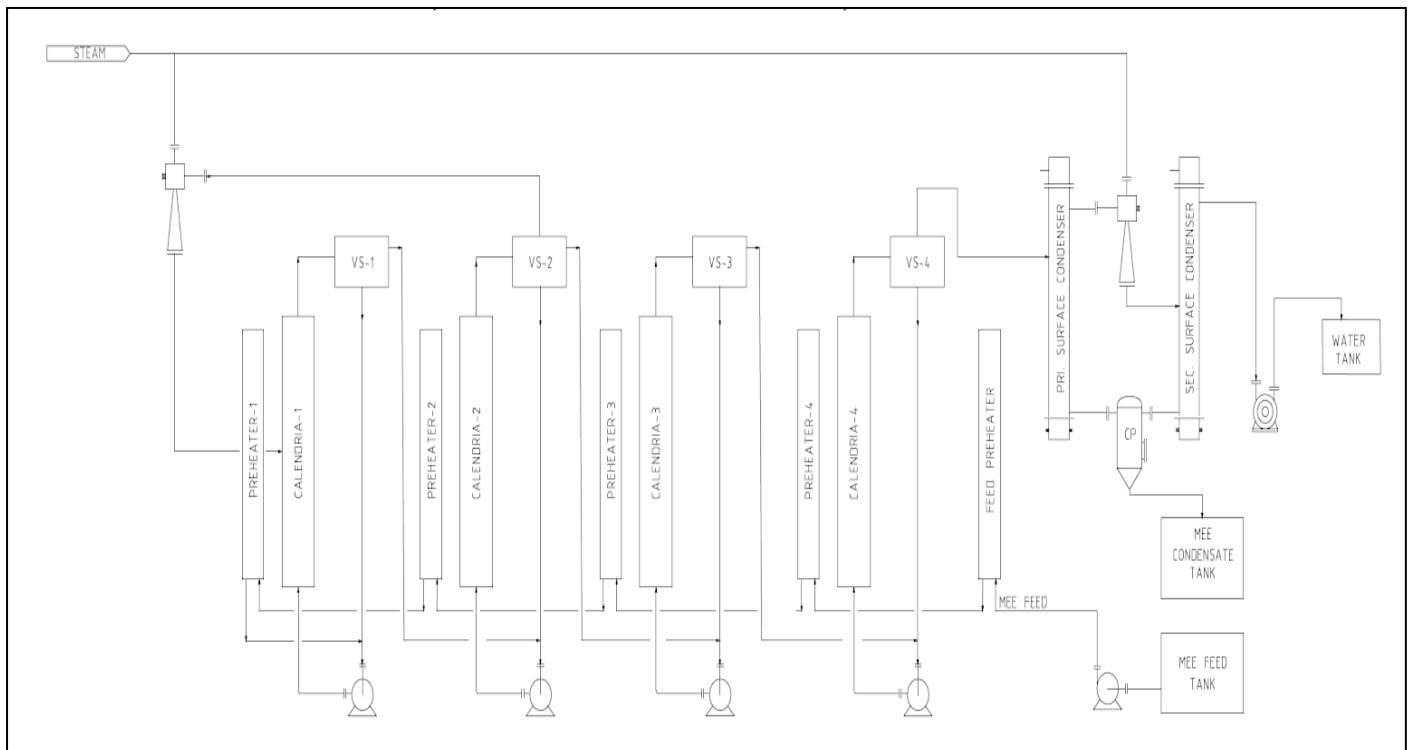
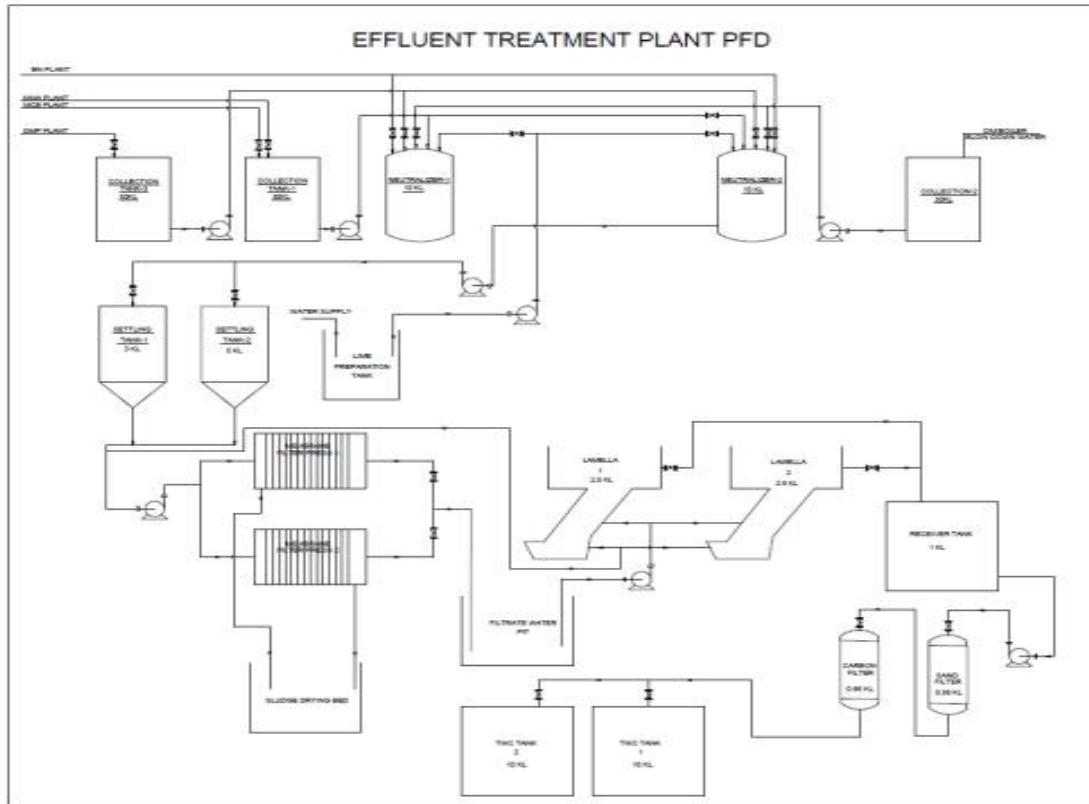
Annexure-10



[Fig : WATER BALANCE DIAGRAM]



[Fig : Treatment Scheme - Effluent Treatment Plant Biological section]



[Fig : Treatment Scheme - Effluent Treatment Plant, MEE/ATFD Section]

Annexure-11

Mock drill Report

 AARTI INDUSTRIES®	<h1>Aarti Industries Limited</h1> <p>(Anushakti Division) Survey No. 1430/1, NH No. 8-A, Bhachau Dist. Kutch, Gujarat - 370140.</p>
--	--

Mock Drill Report - Level 2 (On-site Emergency)

Fire caught in the ODCB Storage Tank

Date	: 30.09.2024 - Monday
Scenario	: Fire caught in the ODCB storage tank
Location	: ODCB Storage Tank (TK-225)
Level of Mock Drill	: Level - 2
Time of Emergency declared	: 13:10 Hrs.
Evacuation Time	: 03 Minutes
Total Time of Mock Drill	: 08 Minutes

Objective:

To train the people about action during the Emergency Due to Fire And Others in the Plant. Legal Compliance as per the Factories Act 1948, Chapter 4 A (under section 2C(B) and Section 41B (4) and MSIHC Rule 2003.

Scenario Description:

On 30th September 2024, During the general shift, hot work was performed on the new chiller piping at the ODCB storage tank TK-225. While grinding, sparks from the operation ignited flammable fumes/vapors present around the tank top, leading to a fire at the tank top nozzle, The shift in-charge observed the fire and promptly halted the hot work operation & shift in-charge isolated chemical exposure sources to mitigate further risk plant manager was immediately informed about the incident.

The Sequence of the Drill/ Events is as under:

Sr No	Time	Event
1.	13:10	Shift incharge observed Fire and called to ECC operator.
2.	13:11	Rest of the employees started to reach out to the assembly point.
3.	13:12	Ambulance & Security arrived at the incident location.

Annexure-12 Workplace Monitoring



ECO EARTH TECHNOLOGIES

NABL ACCREDITED LABORATORY (T-4196), MOEF & CC /CPCB RECOGNIZED LAB UNDER EPA ACT 1986
AN ISO 9001:2015 & ISO 14001:2015 CERTIFIED COMPANY
(GPCB SCHEDULED – II ENVIRONMENTAL AUDITOR)
OFFICE & LAB ADDRESS : PLOT NO.: 3202/A/2/1, T – 1 (3RD FLOOR) GIDC MULTILEVEL SHED, NEAR ADVANCE PAINT
GIDC IND ESTATE, ANKLESHWAR 393002, DIST: BHARUCH, GUJARAT
CONTACT NO: 094091333000 / 9601758907

Work Place Monitoring

FORM NO: 37

(Prescribe under Rule 12-B).

Register containing particulars of monitoring of working environment required under section 7-A (a)

Report No	EET225824000004122	Date	06.04.2024
-----------	--------------------	------	------------

1	Company Name and Address	M/s. Aarti Industries Ltd - Anushakti Division Survey No. 1430/1, NH-8, Bhachau, Kutch - Gujarat - India
2	Name of the Department/Plant	MCB Plant
3	Raw Material	Benzene, Chlorine
4	By - Product	HCl
5	Finished Product	ODCB, PDCB
6	Particulars Sampling	Benzene
7	Date of Sampling	02.04.2024

Sr. No	Location /Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Air bone Contamination		Average (ppm)	TWA Concentration (as given in second scheduled) ppm	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking sample	Name (In block Letter)
				No of Samples	Range (ppm)							
1	2	3	4	5	6	7	8	9	10	11	12	13
1	MCB Plant	Benzene	Personal handy Sampler	2	BDL BDL	BDL	0.5 ppm	OSHA Method ID – 1005	5 – 7	-		MR RAMESH PARGHI

[ND= Not Detected, BDL = Below Detection Limit]

Analyzed By

Checked By
[End of the Test Report]

For Eco Earth Technologies

Authorized Signatory



Annexure-13
Storage Details

Raw Material	Capacity of Each Storage	No. of Storage	Total Storage capacity (MT)	MOC of storage	Operating condition		Max Quantity of storage (MT)	Safety Measures Provided
					Press, kg/cm ²	Temp, °C		
Fresh Benzene	58 KL	7	356 MT	MS	Atmospheric Pressure	Ambient Temperature	284.52 MT	Level Interlock Earth rite system - Earthing Breather valve with flame arrester, Fire hydrant network, Overflow Protection, Foam Monitors
Recovered Benzene	4.5 KL 6 KL	2	10 MT	MS	Atmospheric Pressure	Ambient Temperature	7.70 MT	Level Interlock Earth rite system - Earthing Breather valve with flame arrester, Fire hydrant network, Overflow Protection, Foam Monitors
Chlorine	0.9 MT	135	122 MT	MS	8 kg/cm ²	Ambient Temperature	122 MT	Chlorine gas detection sensors, Chlorine emergency scrubber, Breathing Air apparatus Chlorine Emergency Kit Trained Operators
Caustic	50 MT 25 MT	2	75 MT	MS	Atmospheric Pressure	Ambient Temperature	60 MT	Level Interlock Sufficient Dyke wall Overflow Protection Neutralizing System
Ortho DiChloro Benzene/ Para dichloro Benzene	223 KL 218 KL 159 KL 120 KL 210 KL 300 MT	6	1230 MT 300 MT	MS	Atmospheric Pressure	Ambient Temperature	1284 MT	Level Interlock Double Earthing system Breather valve with flame arrester, Fire hydrant network, Overflow Protection, Foam Monitors Dyke wall Protection
Recovered Ortho DiChloro Benzene/P ara dichloro Benzene	100 MT	1	100 MT	MS	Atmospheric Pressure	Ambient Temperature	80 MT	Level Interlock Double Earthing system Breather valve with flame arrester, Fire hydrant network, Overflow Protection, Foam Monitors Dyke wall Protection
Nitric Acid	55 MT 60 MT 45 MT	3	160 MT	Aluminum	Atmospheric Pressure	Ambient Temperature	128 MT	Level Interlock Sufficient Dyke wall Overflow Protection Neutralizing System Scrubbing system, Spare tank is available for transferring nitric acid for emergency purpose.
Sulphuric Acid	110 MT 5.5 MT	2	115.5 MT	MS	Atmospheric Pressure	Ambient Temperature	92.4 MT	Level Interlock Sufficient Dyke wall Overflow Protection Neutralizing System Scrubbing System

Recovered Spent Sulphuric Acid	72 100 110	3	282 MT	MS	Atmospheric Pressure	Ambient Temperature	225	Level Interlock Sufficient Dyke wall Overflow Protection Neutralizing System Scrubbing System
Fresh O-Xylene	75 MT	1	75 MT	MS	Atmospheric Pressure	Ambient Temperature	60	Level Interlock Double Earthing system Breather valve with flame arrester, Fire hydrant network, Overflow Protection, Foam Monitors Dyke wall Protection
Fresh Aniline	225 MT 225 MT 1140 MT	3	1590 MT	M.S.	Atmospheric Pressure	Ambient Temperature	1272 MT	Level Interlock Sufficient Dyke wall Overflow Protection Neutralizing System Scrubbing System Fire water Sprinkler
Fresh Methanol	58 KL 58 KL 196 KL	3	485 MT	MS	Atmospheric Pressure	Ambient Temperature	387.8 MT	Level Interlock Double Earthing system Breather valve with flame arrester, Fire hydrant network, Overflow Protection, Foam Monitors Dyke wall Protection
Recovered Aniline	70 MT 90 MT	2	160 MT	M.S.	Atmospheric Pressure	Ambient Temperature	128 MT	Level Interlock, Sufficient Dyke wall Overflow Protection, Neutralizing System, Scrubbing System, Fire water Sprinkler
Recovered Methanol	19 KL 2.3 MT	1	17 MT	MS	Atmospheric Pressure	Ambient Temperature	14 MT	Level Interlock Double Earthing system Breather valve with flame arrester, Fire hydrant network, Overflow Protection, Foam Monitors Dyke wall Protection
Adipic Acid	100 MT 400 MT	2	500 MT	In bags	Atmospheric Pressure	Ambient Temperature	500.0 MT	Fire hydrant network
Fresh 2-Ethyl Hexanol	195 MT 220 MT X 3	4	855.0 MT	MS	Atmospheric Pressure	Ambient Temperature	684.0 MT	Level Interlock Double Earthing system Breather valve with flame arrester, Fire hydrant network, Overflow Protection, Foam Monitors Dyke wall Protection
Recovered 2-Ethyl Hexanol	6 KL 120 KL	1	105 MT	SS CD	Atmospheric Pressure	Ambient Temperature	84 MT	Level Interlock Double Earthing system Breather valve with flame arrester, Fire hydrant network, Overflow Protection, Foam Monitors Dyke wall Protection
Spent HCl	30 KL	9	270 MT	HDPE	ATM	Ambient	216	Level Interlock Sufficient Dyke wall Overflow Protection Neutralizing System Scrubbing System
20% HCl from Scrubber	10 MT	1	10 MT	HDPE	Atmospheric Pressure	Ambient Temperature	8 MT	Overflow Protection, dyke wall

Annexure-14

Date : 27-Jun-2024

-: HEALTH REPORT :-

AARTI INDUSTRIES – ANUSHAKTI DIVISION, BHACHAU

Employee ID	: 58000819	Sr No.	: 487
Name	: Punit Nakum	Birth Date	: 18-04-2000
Department	: CACL2 - Operation	Joining Date	: 22-11-2021
Age	: 24 yrs	Gender	:

History:	Past History:	: NAD	Occupational History:	: NAD
	Addiction:	: NO	Family History:	: MOTHER - DM, HTN

General Examination:

Height	: 167 cm	Weight	: 71 kg	BMI	: 25.46 kg/m ²	Resp Rate	: 16/min
Pulse	: 82/min	BP	: 132/78 mmHg	SpO ₂	: 97 %		

Pallor / Icterus	: NAD	Cyanosis	: NAD	Dental	: NAD
Ear	: NAD	Throat	: NAD	Nose	: NAD
Skin	: NAD	Nails	: NAD	Others	: NAD
Trismus Test	: 3 Fingers	Romberg's Test	: NEGATIVE		


Systemic Examination:

Respiratory	: AEBE, Clear
Cardio Vascular	: S1S2 NORMAL
Central Nervous	: NAD
Gastrointestinal	: NAD
Musculoskeletal	: NAD
Integumentary	: NAD

Vision

Acuity	RT Eye	LT Eye
Distant	6/6	6/6
Near	N/6	N/6
Vision	NORMAL	
Color Blindness	NORMAL	

Remarks: FIT FOR JOB


DR DEEP PATEL
MBBS, CIH (G-60314)

Office : 401, Devashish Business Park,
Satellite, Ahmedabad-380015.

+91 70166 49599

Branch : I Care Pathology Laboratory,
Mangalpura, Anand-380001.

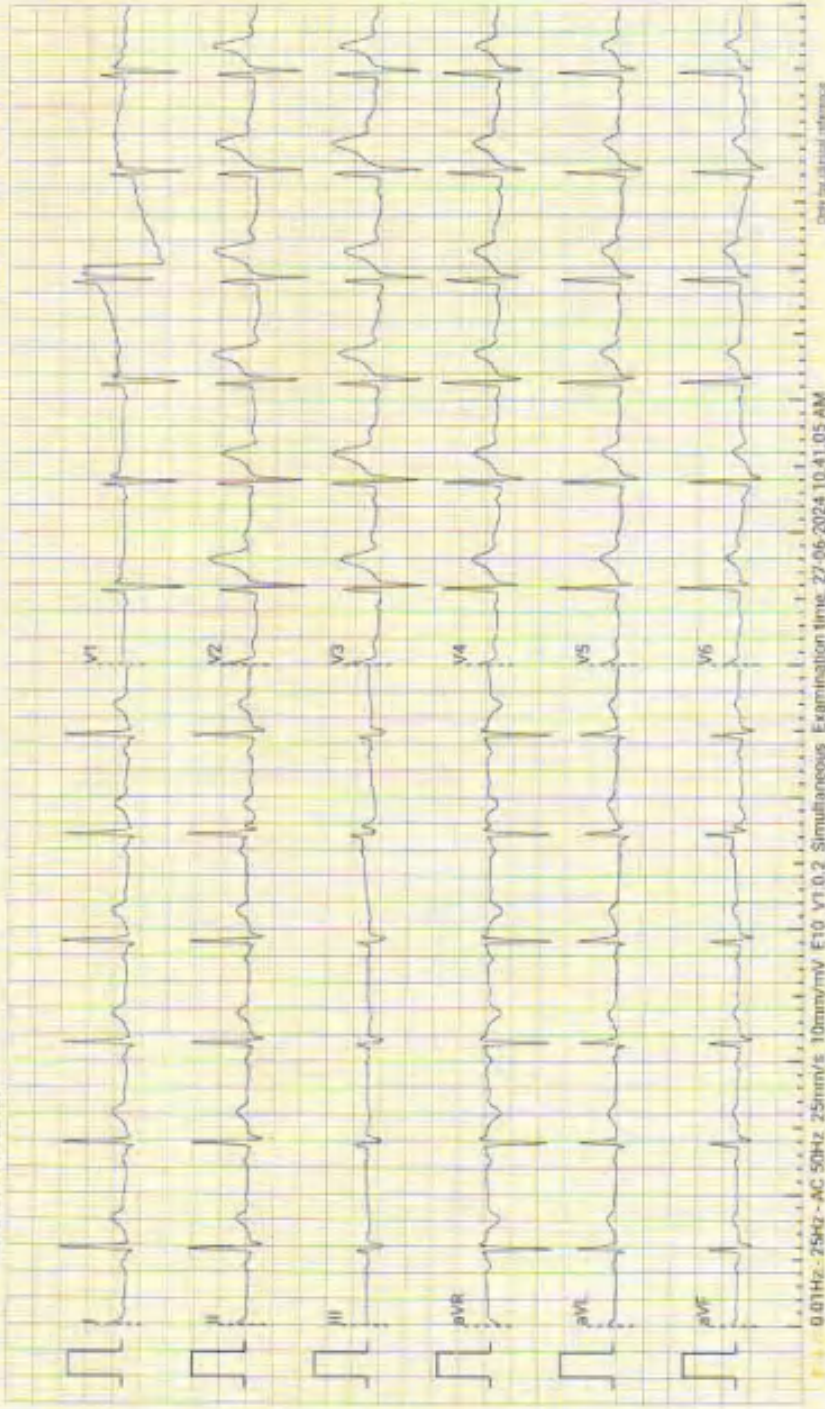
• deeppatel.cih@gmail.com

ECG report

Create Time: 03-07-2024 09:07:51 PM
Confirm and sign:

DR. DEEP PATEL
MBBS CIH
Reg. No. G-803714

ID : ar487 HR : 75 bpm Interpretations:
Name : PR : 146 ms Normal ECG
Gender : * QRS : 98 ms Sinus rhythm
Age : QT/QTc : 341/367 ms Sinus arrhythmia
Dept. : P/QRS/T : 38/38/18 *
Bed No. : RV5/SV1 : 1.136/0.000 mV
 RV5+SV1 : 1.136 mV



0.01Hz - 25Hz - AC 50Hz 25mm/s 10mm/mV E10 V1 0.2 Simultaneous Examination time: 27-06-2024 10:41:05 AM
Deep by digital reference

Annexure-14.1

-			
Sr. No.	Fire Fighting capacity - Equipment	Existing	Proposed Plan (Under Construction)
1	Dedicated Fire Water Reservoir	800 KL	2400 KL
2	Electrical Pump	273 m ³ /Hr (80 m Head) - 2 Nos.	410 m ³ /Hr (88 m Head) - 2 Nos.
3	Diesel Main Pump	273 m ³ /Hr (80 m Head), 1500 RPM (Make - Kirloskar) - 1 Nos.	410 m ³ /Hr - 1 Nos.
4	Jockey Pump	10 m ³ /Hr (80 m Head), 2900 RPM (30 HP Motor) - 1 Nos.	40 m ³ /Hr (88 m Head) - 2 Nos.
5	Diesel Tank Capacity	200 liter	500 Liter
6	Pipe Size of Hydrant Network	8 " & 6 " (Existing)	12 " & 10 " (Proposed)
7	Hydrant Post	63 Nos.	187 Nos.
8	Fire Monitor	8 Nos.	15 Nos.
9	Fire Hose Box	59 Nos.	170 Nos.
10	Fire Men Power	Round the Clock Availability of Fire Crew Fireman - 16 DCPO (Driver cum Pump Operator) - 4 Fire Incharge - 1	
11	Fire Tender	Water - 5 KL, Foam - 1 KL, DCP - 75 KG, Pump Capacity - 400 LPM 360 Revolving Remote control Monitor Remote Controlled Ladder for Rescue Operation	

Details of Fire Fighting system

Sr. No.	Area	Fire hose Box	First Aid Box	Emergency Siren	Gas Sensor	Sand Bucket	Safety Shower	Fire Pump	B.A. Set	Fire Monitor	Wind Indicator	Hydrant Point	Total
1	Main Gate, Canteen, HR, HT Yard/Main Road	6	1	1	0	1	0	0	2	0	1	5	17
2	Flakers, New RO Plant / RO	3	0	0	0	0	0	0	0	0	1	4	8
3	B.N. Plant, PDCB Loading Poing	3	1	1	0	0	7	0	0	0	1	4	17
4	C.R. Plant	3	1	0	0	0	1	0	0	0	1	3	9
5	MCB Plant	9	1	0	2	1	3	0	1	2	1	10	30
6	Lab, Plant Office	0	1	1	0	0	0	0	1	0	0	0	3
7	Instrument Room	0	0	0	0	0	0	0	0	0	0	0	0
8	Electrical Room / PCC Room	0	0	0	0	1	0	0	0	0	0	0	1
9	Benzene & Methanol Yard	0	0	1	0	2	1	0	0	2	0	0	6
10	MMA Plant & 2100 Column, 4th & 5th Line, New DCS	16	1	2	0	3	4	0	7	3	2	18	56
11	ETP	2	0	0	0	1	0	0	0	0	1	2	6
12	DMP	6	1	1	4	1	2	0	1	1	1	6	24
13	Boiler	3	1	1	0	0	0	0	0	0	0	3	8
14	Cl2 Shied / HCl Yard	2	0	1	12	1	1	0	4	0	0	2	23
15	CaCl2 Plant	4	1	1	0	0	2	0	1	0	1	4	14
16	D.G. Room CaCl2 Plant	0	0	0	0	1	0	0	0	0	0	0	1
17	300 TPD Plant	0	0	0	0	1	1	0	0	0	1	0	3
18	Company Colony	0	1	0	0	0	0	0	0	0	0	0	1
19	Fire Pump House / Fire Trolley D.G. Pump / Fire Station	0	0	0	0	0	0	3	4	0	0	0	7
20	Safety Office	0	1	0	0	0	0	0	1	0	0	0	2
21	Power Plant	2	1	0	0	2	2	0	1	0	1	2	11
Total		59	12	10	18	15	24	3	23	8	12	63	357

List of Fire Extinguisher in Plant

Sr. No.	Plant	ABC Type				DCP Type			CO2 Type				M. Foam Type		Clean Agent	Total
		01 KG	2 KG	6 KG	9 KG	6 KG	09 KG	75 KG	4.5 KG	6.5 KG	9 KG	22.5 KG	09 Liter	50 Liter	04 KG	
1	Main Gate, Canteen, HR, HT Room, Dispatch, ECC Room, New Admin Building, Canteen, OHC, Process/QA/QM Porta cabin	0	12	0	0	2	3	0	21	0	1	0	0	0	0	39
2	Flakers, New RO Plant, Fire Pump House, Mechanical WorkShop	0	0	0	0	4	5	0	3	0	1	0	0	0	0	13
3	B.N. Plant, Loading Point	0	0	0	0	5	4	0	1	0	0	0	0	0	0	10
4	C.R. Plant	0	0	0	0	5	6	0	0	0	0	0	0	0	0	11
5	MCB Plant, CS2 Storage Room, CL2 Shed	0	0	0	0	2	6	0	4	0	1	0	1	2	0	16
6	Lab, Plant Office, 60KV UPS Room, Material Store	0	0	0	0	1	2	0	6	0	0	0	0	0	0	9
7	Instrument Room	0	0	0	0	0	1	0	1	0	1	0	0	0	0	3
8	Electrical Room	0	0	0	0	0	2	0	11	0	4	0	0	0	0	17
9	Solvent Yard, N2 Tank	0	0	0	0	0	6	0	0	0	0	0	3	2	0	11
10	MMA Plant & 2100 Columns Loading Point, New MMA DCS Room, 4th & 5th Line	0	1	0	0	12	13	0	8	1	0	0	2	1	0	38
11	ETP	0	0	0	0	1	1	0	1	0	2	0	0	0	0	5
12	DMP	0	0	0	0	8	8	0	1	0	0	0	3	4	0	24
13	Boiler, Thermo- pack, Assembly Point	0	0	0	0	1	3	0	4	0	0	0	0	1	0	9
14	Cl2 Shied	0	0	0	0	2	4	0	0	0	0		0	0	0	6
15	CaCl2 Plant, Chaitanya Workshop, New	0	0	0	0	10	6	0	7	7	1	0	0	0	0	31

	Cylinder Yard, DG Room, 300 TPD															
18	All Contractors	0	0	0	0	8	15	0	0	0	0	0	0	0	0	23
19	CPP	0	0	0	0	4	3	0	8	1	5	0	2	1	0	24
20	2500 DIA Column Ground Floor	0	0	0	0	0	10	0	1	0	0	0	0	0	0	11
21	Fire Tender	1	0	0	0	1	4	2	2	0	0	2	0	0	2	14
Total		1	13	0	0	66	102	2	79	9	16	2	11	11	2	314
B	Safety Store	1	0	0	0	18	14	0	7	1	9	0	6	0	0	24
C	In Service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Data		2	13	0	0	84	116	2	86	10	25	2	17	11	2	370

Details of Installed Fire Fighting Equipment		
Sr. No.	Month	Capacity
1	Trolley Monitors	4 Nos.
2	Extinguishers	314 In Plant (42 Spare)
3	B.A. Set	23
4	Extra B.A. Cylinder	27 Nos.
5	Safety Showers	24 Nos.
6	FB-10 X foam Making Branch	4 Nos.
7	FB-5 X foam Making Branch	2 Nos.
8	TP Branch	47 No. + (5 Spare)
9	Fog Branch (TFT)	2 No. (Fire Tender)
10	Long Branch (TFT)	2 No. (Fire Tender)
11	Hose Pipes	107 Nos. + (5 Spare)
12	Short Branch	60 Nos.
13	In line Indicator	1 No.
14	Hose Reel	07 Nos.
15	Sand Buckets	15 Stand (115 Buckets)
16	Electrical Siren	9 Nos.
17	Manual Siren	1 with 1.5 km Range

Annexure-15

PLI Policy



PUBLIC LIABILITY ACT POLICY POLICY SCHEDULE

Agent/Broker Name -PRUDENT INSURANCE BROKERS PVT. LTD.

Agent/Broker License Code - 291:Agent/Broker :Contact No - 2233066000 (mobile or landline)

Attaching to and forming part of Policy No. 0304011371 00 00
Name of Insured Owner: AARTI INDUSTRIES LIMITED
Business: CHEMICAL MANUFACTURING

Address: 71, UDYOG KSHETRA, 2ND FLR, MULLUND-GOREGAON, LINK ROAD,
MULLUND (W), MUMBAI
MUMBAI - 400080
MUMBAI
MAHARASHTRA
INDIA
27AABCA2787L1ZC(GSTIN Number)
Place of supply -MAHARASHTRA
State code -27

Territorial limits: Anywhere in India

Policy Period: From: 09/01/2024 12:00 AM/ PM
To Midnight of: 08/01/2025 12:00 AM/ PM

Indemnity limit:Rs 50,000,000.00 in respect of any one accident and not exceeding 3 times thereof in the aggregate during the policy period.

Service Tax Registration No:

Premium	₹ 10,135.94
UGST/SGST @9 %	₹ 912.00
CGST @9 %	₹ 912.00

**Contribution to the
Environment Relief Fund:₹ 10,135.94**

Date of Proposal and declaration:09/01/2024

In witness whereof the undersigned being duly authorized by the company and on behalf of the company has hereto set his hand at MUMBAI on 18/01/2024

The stamp duty of 0.5 paid in cash or demand draft or by pay order,vide Receipt/Challan no: LOA/CSD/01/2023/4269 dated the 25/10/2023

For Tata AIG General Insurance Company Limited

Authorized Signatory

Date :18/01/2024
Place :MUMBAI

Policy Servicing Office
Tata AIG General Insurance Company Limited
2ND FLOOR, CITI TOWER, 61, DR. S.S.RAO ROAD,, NEXT TO M.G.M HOSPITAL, PAREL(E), MUMBAI - 400012,MUMBAI,MAHARASHTRA,MUMBAI-400012
Tel No:22-22-62606600

Tata-AIG General Insurance Company Limited



Attached and Forming Part of the Policy Number:- 0304011371 00 00

Location	Location Address
Alchemie Organics	PLOT NO. 902 923 PHASE-III, G.I.D.C, VAPI, DIST VALSAD, VAPI 396195
AMINE	285,286/1 A 322 12 23 24 NA 40SHED AREA GIDC PHASE II DIST-VALSAD, VAPI 396195
APPLE ORGANICS	PLOT NO. 610 , 609 & C1B/70, REVENUE SURVEY NO 234/P ,100,SHED AREA, GIDC , VAPI, VALSAD 396195
Baroda	Block number 1, 3rd floor, R S No 3, Keval Corporate Park, Village channi, Baroda-390002 BLOCK NO 5 R S NO 380 VILLAGE CHANNI KEVAL CORPORATE PARK BUILDING T P SCHEME NO 48 FP NO 43/1 OPP CHHANI GEB NEAR PRAKRUTI RESTAURANT BARODA - 391740 PARKWAY REALTY LLP
DAHEJ- NEO	PLOT NO.Z/103/C DAHEJ SEZ II, TAL VAGRA, DIST. BHARUCH, GUJARAT-392130
DAHEJ-DIAMOND	PLOT NO Z-103/H SEZ-II, DAHEJ, TAL- VAGRA, DIST - BHARUCH 392130,
DAHEJ-SAFRON	PLOT NO - Z 111 B, DAHEJ, SEZ-II,TAL VAGRA, DIST. BHARUCH-392130
NASCENT	PLOT NO. 24, PHASE-I, G.I.D.C., DIST. VALSAD, VAPI 396195
R & D MHAPE/Turbe	PLOT NO A-94/1 MIDC , TTC IND AREA,NAVI MUMBAI - DIST THANE
ACID	PLOT NO. 801-23, TO 802,803,804/1-2-3, 15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
Nutrient	PLOT NO. 802,803,804/12-3, 801/15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
R & D VAPI - Organic	PLOT NO. 802,803,804/12-3, 801/15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
SSP Fertiliser	PLOT NO. 801/15, TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
Vapi Unit - Organic	PLOT NO. 801-23, TO 802,803,804/1-2-3, 15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195

3M (New Location)	PLOT NO 778 , 758/1-2-3 & 756/4-5, 779 AJANTA PAPER & GENERAL PROC,GIDC JHAGADIA - DIST BHARUCH 393110 PLOT NO 41-1 & 41-2. JHAGADIA GIDC ESTATE ANKLESHWAR, DIST BHARUCH 393110
Jaghadia (Pearl,Ruby, Jade,Gold)	Plot No. 756 - 8/9, 758/1,2,3 Survey no. 345, 348, 356, 357, 358, 359, 360 & 364 Plot No. 756-2A/B, 3A/B, 4A/B, 5A/B,6,7,8,9 & Survey No. 122 Plot no. 778, P.B No. 24, GIDC, Jhagadia-393110, Dist- Bharuch, Gujarat Plot No 41/3/1-2-3, Jhagadia, Dist- Bharuch, Gujarat
TARAPUR UNIT -2	Plot No. L-5,L-4, L-8,L-9/1, MIDC, Tarapur, Boisar.
Kutch	SURVEY NO. 1430/1, NATIONAL HIGHWAY NO. 8-A, KUTCH BHACHAU, GUJARAT 370140
Mulund	71 Udyog Kshetra 2nd Floor Mulund Goregaon Link Road, Mulund West, Mumbai 400080
Vikhrol	Tower C, 4th Floor, 247 Embassy Park, LBS Marg, Vikhrol (W), Mumbai- 400083



For Tata AIG General Insurance Company Limited


Authorized Signatory

Annexure-15.1



[Fig : Fire Tender, Ambulance and OHC at Aarti Industries Limited (Anushakti Division)]

Annexure-16 Noise Monitoring Report



Eco Earth Technologies

(Analytical Laboratory Division)

ISO 9001:2015, ISO 45001:2018 & ISO 14001:2015 Certified Company
(GPCB RECOGNIZED SCHEDULED - II ENVIRONMENTAL AUDITOR)

MoEF&CC /CPCB RECOGNIZED LABORATORY UNDER ENVIRONMENT (PROTECTION) ACT, 1986

Plot No. 3202/A/2/1, T-1, Multilevel Shed, Near Advance Paint, GIDC Ind. Estate, Ankleshwar - 393 002, Dist. Bharuch, Gujarat, India. ☎ : +91 9601758907, 9409133000

Test Report / Certificate

Noise Level Monitoring

Report No	EET225824000004129	Date of Report	06.04.2024
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SAMPLE DETAILS

1	Name & Address of Company	M/S AARTI INDUSTRIES LTD – ANUSHAKTI DIVISION SURVEY NO. 1430/1, N.H.NO 8-A, BHACHAU, TAL: KUTCH - 370140, GUJARAT, INDIA			
2	Sample ID	NLM/2024/600159	3	Client Representative	Mr Divyesh Mayani
4	Sample Date	03.04.2024	5	Sample Location	Different location
8	Analysis Commenced On	03.04.2024	9	Analysis Completed on	03.04.2024
10	Sampling Procedure	IS 9989-1981 (Reaffirmed 2018)	11	Sample Collected by	EET Team
12	Test Requirement	Noise Monitoring at different location within in premises.			

TEST RESULT

Sr. No.	Location	Unit (SI)	Result		Permissible Limit/ GPCB Norms	
			Day Time	Night Time	Day Time	Night Time
1	Near CPP Area	dB(A)	66	63	75	70
2	Near D G Set 1 & 2	dB(A)	67	62	75	70
3	Near Boiler 1 & 2	dB(A)	69	65	75	70
4	Near ETP Area	dB(A)	68	62	75	70
5	Near New Fire Water Tank	dB(A)	59	52	75	70
6	Near CaCl2 Plant	dB(A)	66	61	75	70
7	Near MCB Plant	dB(A)	67	63	75	70
8	Near OHC Area	dB(A)	57	50	75	70
9	Near Main Gate	dB(A)	64	53	75	70

• Remark: Noise Reading near DG Area is taken during DG in running condition.

[ND – Not Detect, BDL – Below Detection Limit]

Note: 1). Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 2). Re analysis sample will be done, if requested within in 15 days from the date of reporting of sample if the sample are not consumed during analysis.
 3). The result reported above relate to the sample identified under sample details.

For, Eco Earth Technologies

Analysed By
A.D. Kojariya

Checked By
Om
End of the Test Report

Authorized Signatory
Pallavi


Annexure-17

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DETOX INDIA
operated by **VEOLIA**

"Certificate"

Certificate No.:100926

To Whomsoever it may concern

This is to certify that

AARTI INDUSTRIES LTD. (ANUSHAKTI DIV)

SURVEY NO. 1430/L,
N.H. NO.8 A, TAL: BHACHAU,
KUTCH

is a valid member of

SAFE ENVIRO PRIVATE LIMITED

SEPL - Magnad

for

Integrated Common Hazardous Waste Management Facility

This membership is valid for a period of

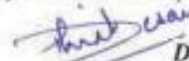
05 Years

Date of Issue : 07-09-2021

Date of Expiration : 07-09-2026

Place of Issue : Surat

For, Safe Enviro Private Limited


Director

SUBJECT TO SURAT JURISDICTION

Safe Enviro Private Limited

Corporate Office : Detox House, Opp. Gujarat Samachar Press, Udhna Darwaja, Ring Road, Surat-395 002 (Guj.) INDIA

Ph. : +91 261 2351248, 2346181 E-mail : sepl.magnad@gmail.com | CIN : U51101GJ2015PTC083237

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BEIL INFRASTRUCTURE LIMITED
(formerly known as Bharuch Enviro Infrastructure Limited)

Ref. BEIL/ANK/2021

24TH MARCH, 2021

To,
AARTI INDUSTRIES LTD. (ANUSHAKTI DIVISION)
PLOT NO.1430/1,
N. H.NO.8A,
BHACHAU, DIST-KUTCH-370140.

Sub: Membership Certificate for Common Solid Waste Disposal Facility.

Dear Sir,

We hereby certify that you have become member for **5 years up to 23/03/2026** for the common Solid/Hazardous waste disposal facility of BEIL Infrastructure Limited. (Formerly Known as Bharuch Enviro Infrastructure Limited.), at GIDC, Dahanu. You have booked solid waste quantity of **10890 MT/Years**. Your Membership No. is **Oth/824**.

Waste will be accepted after submitting valid authorization of GPCB.

Thanking you,

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


AUTHORISED SIGNATORY

CIN NO. U45300GJ1997PLC032696

Regd. Office : Plot No. 9701-15, GIDC Estate, Post Box No. 82, Ankleshwar 393 002, Dist : Bharuch (Gujarat)
Phones: (02646) 253135, 225228 Fxs: (02642) 222849, E-mail: dahanu@beil.co.in

Annexure-18



012

AIL/KUT/ENV/2022-23/15
Date: 20/06/2023

GPCB ID : 17766

To,
The Regional Officer,
Gujarat Pollution Control Board,
Kutch (East), Gandhidham.

Subject: Regarding Submission of Environment Clearance copy of M/s. Aarti Industries Limited (Anushakti Division), Plot no. 1430/1, NH 8 A, Bhachau, Dist: Kutch, Gujarat - 370140.

Respected Sir,

We are pleased to inform you that our unit has been accorded Environment Clearance from the Ministry of Environment, Forest & Climate Change (Impact Assessment Division), New Delhi.

Herewith submitting the copy of Environment Clearance accorded by the Ministry of Environment, Forest & Climate Change (Impact Assessment Division) dated 17th June 2023 via EC Identification No. EC23A021GJ167443 and File F. No. J-11011/293/2020-IA-II (I).

Thanking you,

Yours Faithfully

For, M/s Aarti Industries Limited (Anushakti Division)

Authorized Signatory

Encl: EC copy

CC :

1. The District Collector, Collector Office, Bhuj, Kutch.
2. The District Development officer, Bhuj, Kutch.
3. The General Manager, District Industry Centre, Bhuj, Kutch.
4. The Taluka Development Officer, Bhachau, Kutch.
5. Regional Officer, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Room No 407, Aranya Bhawan, Near CH-3 Circle, Sector - 10A, Gandhinagar, Gujarat - 382010.
6. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010.
7. The Unit Head, Gujarat Pollution Control Board, Kutch (East), Gandhinagar.
8. Villages list:

Handwritten signature and stamp: 22/06/2023, 2023 (Kutch) Supt. 54122 522, 012-512.

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, Illrd Phase, GIDC Vapi-396195, Dist- Valsad. INDIA. T : 0260-2400366.

Factory : Survey No.1430/1, N.H No. 8-A, Tal.-Bhachau, Dist-Kutch, Pin-370140, INDIA. Tel.: +91 6353865478.

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.

T : 022-67976666, F : 022-2565 3234 | E : info@aarti-industries.com



SIC

AIL/KUT/ENV/2022-23/15
Date: 20/06/2023

GPCB ID : 17766

To,
The Regional Officer,
Gujarat Pollution Control Board,
Kutch (East), Gandhidham.

Subject: Regarding Submission of Environment Clearance copy of M/s. Aarti Industries Limited (Anushakti Division), Plot no. 1430/1, NH 8 A, Bhachau, Dist: Kutch, Gujarat - 370140.

Respected Sir,

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Thanking you,

Yours Faithfully


For, M/s Aarti Industries Limited (Anushakti Division)

Authorized Signatory

Encl: EC copy

CC :

1. The District Collector, Collector Office, Bhuj, Kutch.
2. The District Development officer, Bhuj, Kutch.
3. The General Manager, District Industry Centre, Bhuj, Kutch.
4. The Taluka Development Officer, Bhachau, Kutch.
5. Regional Officer, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Room No 407, Aranya Bhawan, Near CH-3 Circle, Sector - 10A, Gandhinagar, Gujarat - 382010.
6. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010.
7. The Unit Head, Gujarat Pollution Control Board, Kutch (East), Gandhinagar.
8. Villages list:


22/06/23
આવક કારકુન
જલ્લા પંચાયત. કચ્છ-ભુજ

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, IIIrd Phase, GIDC Vapi-396195, Dist- Valsad. INDIA. T : 0260-2400366.

Factory : Survey No.1430/1, N.H No. 8-A, Tal.-Bhachau, Dist-Kutch, Pin-370140, INDIA. Tel.: +91 6353865478.

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.

T : 022-67976666, F : 022-2565 3234 | E : info@aarti-industries.com



01C

AIL/KUT/ENV/2022-23/15
Date: 20/06/2023

GPCB ID : 17766

To,
The Regional Officer,
Gujarat Pollution Control Board,
Kutch (East), Gandhidham.

Subject: Regarding Submission of Environment Clearance copy of M/s. Aarti Industries Limited (Anushakti Division), Plot no. 1430/1, NH 8 A, Bhachau, Dist: Kutch, Gujarat - 370140.

Respected Sir,

We are pleased to inform you that our unit has been accorded Environment Clearance from the Ministry of Environment, Forest & Climate Change (Impact Assessment Division), New Delhi.

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Thanking you,

Yours Faithfully

For, M/s Aarti Industries Limited (Anushakti Division)

Authorized Signatory

Encl: EC copy

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4. The Taluka Development Officer, Bhachau, Kutch.
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6. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010.
7. The Unit Head, Gujarat Pollution Control Board, Kutch (East), Gandhinagar.
8. Villages list:

20/6/23
કચ્છના પ્રદ્યોગ ક્ષેત્ર
ગુજરાત પ્રદ્યોગ ક્ષેત્ર
ગુજ-520.

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, Illrd Phase, GIDC Vapi-396195, Dist- Valsad. INDIA. T : 0260-2400366.

Factory : Survey No.1430/1, N.H No. 8-A, Tal.-Bhachau, Dist-Kutch, Pin-370140, INDIA. Tel.: +91 6353865478.

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.

T : 022-67976666, F : 022-2565 3234 | E : info@aarti-industries.com



dlc

AIL/KUT/ENV/2022-23/15
Date: 20/06/2023

GPCB ID : 17766

To,
The Regional Officer,
Gujarat Pollution Control Board,
Kutch (East), Gandhidham.

Subject: Regarding Submission of Environment Clearance copy of M/s. Aarti Industries Limited (Anushakti Division), Plot no. 1430/1, NH 8 A, Bhachau, Dist: Kutch, Gujarat - 370140.

Respected Sir,

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Thanking you,

Yours Faithfully

For, M/s Aarti Industries Limited (Anushakti Division)

Authorized Signatory

Encl: EC copy

CC :

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2. The District Development officer, Bhuj, Kutch.
3. The General Manager, District Industry Centre, Bhuj, Kutch.
4. The Taluka Development Officer, Bhachau, Kutch.
5. Regional Officer, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Room No 407, Aranya Bhawan, Near CH-3 Circle, Sector - 10A, Gandhinagar, Gujarat - 382010.
6. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010.
7. The Unit Head, Gujarat Pollution Control Board, Kutch (East), Gandhinagar.
8. Villages list:

21/6/23

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, IIIrd Phase, GIDC Vapi-396195, Dist- Valsad. INDIA. T : 0260-2400366.

Factory : Survey No.1430/1, N.H No. 8-A, Tal.-Bhachau, Dist-Kutch, Pin-370140, INDIA. Tel.: +91 6353865478.

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.

T : 022-67976666, F : 022-2565 3234 | E : info@aarti-industries.com



o/c

AIL/KUT/ENV/2022-23/15
Date: 20/06/2023

GPCB ID : 17766

To,
✓ The Regional Officer,
Gujarat Pollution Control Board,
Kutch (East), Gandhidham.

Subject: Regarding Submission of Environment Clearance copy of M/s. Aarti Industries Limited (Anushakti Division), Plot no. 1430/1, NH 8 A, Bhachau, Dist: Kutch, Gujarat - 370140.

Respected Sir,


We are pleased to inform you that our unit has been accorded Environment Clearance from the Ministry of Environment, Forest & Climate Change (Impact Assessment Division), New Delhi.

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Thanking you,

Yours Faithfully

For, M/s Aarti Industries Limited (Anushakti Division)


Authorized Signatory

Encl: EC copy

CC :

1. The District Collector, Collector Office, Bhuj, Kutch.
2. The District Development officer, Bhuj, Kutch.
3. The General Manager, District Industry Centre, Bhuj, Kutch.
4. The Taluka Development Officer, Bhachau, Kutch.
5. Regional Officer, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Room No 407, Aranya Bhawan, Near CH-3 Circle, Sector - 10A, Gandhinagar, Gujarat - 382010.
6. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010.
7. The Unit Head, Gujarat Pollution Control Board, Kutch (East), Gandhinagar.
8. Villages list:

Received
21.8.23

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, Illrd Phase, GIDC Vapi-396195, Dist- Valsad. INDIA. T : 0260-2400366.

Factory : Survey No.1430/1, N.H No. 8-A, Tal.-Bhachau, Dist-Kutch, Pin-370140, INDIA. Tel.: +91 6353865478.

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.

T : 022-67976666, F : 022-2565 3234 | E : info@aarti-industries.com



012

AIL/KUT/ENV/2023-24/18

Date: 23/06/2022

GPCB ID : 17766

To,
The Regional Officer,
Gujarat Pollution Control Board,
Kutch (East), Gandhidham.


Subject: Regarding Advertisement of Environment Clearance of M/s. Aarti Industries Limited (Anushakti Division), Plot No. 1430/1, NH 8 A, Bhachau, Kutch - 370140, Gujarat.

Respected Sir,

We have received Environment Clearance accorded from the Ministry of Environment, Forest & Climate Change (Impact Assessment Division), New Delhi, dated 17th June 2023 via EC Identification No. EC23A021GJ167443 and File No. IA-J-11011/293/2020-IA-II(I). One Copy of the Environment Clearance was submitted at your good office. An advertisement for the same was given in Kutchmitra(Gujarati newspaper) & The Indian Express (English newspaper) on 21.06.2023. Copy of the same is enclosed herewith for your ready reference.

Thanking you,

For Aarti Industries Limited (Anushakti Division)


Authorized Signatory

CC :

- 1) The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010
- 2) Deputy Director General of Forest, Integrated Regional Office - Gandhinagar, A Wing - 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector - 10A, Gandhinagar - 382010

Encl:

Advertisement in Kutchmitra (Gujarati newspaper)
Advertisement in The Indian Express (English newspaper)
Environment Clearance copy



d/c

AIL/KUT/ENV/2022-23/15
Date: 20/06/2023

GPCB ID : 17766

To,
The Regional Officer,
Gujarat Pollution Control Board,
Kutch (East), Gandhidham.

Subject: Regarding Submission of Environment Clearance copy of M/s. Aarti Industries Limited (Anushakti Division), Plot no. 1430/1, NH 8 A, Bhachau, Dist: Kutch, Gujarat - 370140.

Respected Sir,

We are pleased to inform you that our unit has been accorded Environment Clearance from the Ministry of Environment, Forest & Climate Change (Impact Assessment Division), New Delhi.

Herewith submitting the copy of Environment Clearance accorded by the Ministry of Environment, Forest & Climate Change (Impact Assessment Division) dated 17th June 2023 via EC Identification No. EC23A021GJ167443 and File F. No. J-11011/293/2020-IA-II (I).

Thanking you,

Yours Faithfully

For, M/s Aarti Industries Limited (Anushakti Division)

Authorized Signatory

Encl: EC copy

CC :

1. The District Collector, Collector Office, Bhuj, Kutch.
2. The District Development officer, Bhuj, Kutch.
3. The General Manager, District Industry Centre, Bhuj, Kutch.
4. The Taluka Development Officer, Bhachau, Kutch.
5. Regional Officer, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Room No 407, Aranya Bhawan, Near CH-3 Circle, Sector - 10A, Gandhinagar, Gujarat - 382010.
6. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010.
7. The Unit Head, Gujarat Pollution Control Board, Kutch (East), Gandhinagar.
8. Villages list:

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, Illrd Phase, GIDC Vapi-396195, Dist- Valsad, INDIA. T : 0260-2400366.

Factory : Survey No.1430/1, N.H No. 8-A, Tal.-Bhachau, Dist-Kutch, Pin-370140, INDIA. Tel.: +91 6353865478.

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.

T : 022-67976666, F : 022-2565 3234 | E : info@aarti-industries.com

Sr. No.	Name of Village, Taluka, District	Receiving Details		
		Name, Position, Contact Details	Date	Stamp and Sign
1	Bhachau, Ta: Bhachau, Dist: Kutch	Jayesh chachy city Taluti 800189751	21/06/23	શહેર તલાટી ભચાઉ
2	Chopadva, Ta: Bhachau, Dist: Kutch	S.K. KARCHEMD સી.કે.કર્કેમડ તા. ભચાઉ	23/06/23	તલાટી સહ મંત્રી શ્રી ચોપડવા ગ્રામ પંચાયત તા. ભચાઉ જી.કચ.
3	Chirai Moti, Ta: Bhachau, Dist: Kutch	M.P. PATEL Chirai Moti TA. BHACHAU	28/06/23 12:56	તલાટીશ્રી શ્રી મોટીચીરઈ ગ્રામ પંચાયત
4	Kumbhardi, Ta: Bhachau, Dist: Kutch	K.D. Parnesh 8240294800	28/06/2023	તલાટી સહ મંત્રી કુંભારડી ગ્રામ પંચાયત જી.કચ
5	Shikra, Ta: Bhachau, Dist: Kutch	B.K. Patel 9909869273	23/6/2023	તલાટી સહ મંત્રી શીકરા ગ્રામ પંચાયત તા. ભચાઉ-કચ
6	Lunva, Ta: Bhachau, Dist: Kutch	H.K. JADDA 971294665	23/06/2023	તલાટી સહ મંત્રી લુણવા ગ્રામ પંચાયત તા. ભચાઉ-કચ
7	Gunatipur, Ta: Bhachau, Dist: Kutch	K.D. Parnesh 8240294800	28/06/2023	તલાટી સહ મંત્રી કુંભારડી ગ્રામ પંચાયત તા. ભચાઉ જી.કચ
8	Kabrau, Ta: Bhachau, Dist: Kutch	K.D. Parnesh 8240294800	28/06/2023	તલાટી સહ મંત્રી કાબરાઉ ગ્રામ પંચાયત તા. ભચાઉ
9	Amardi, Ta: Bhachau, Dist: Kutch	P.L. Ravaniya 9998149955	29/06/23	તલાટી સહ મંત્રી શ્રી આમરડી ગ્રામ પંચાયત તા. ભચાઉ-કચ
10	Kermariya, Ta: Bhachau, Dist: Kutch	M.V. Solanki 9822882248	31/7/23	તલાટી સહ મંત્રી કરમરિયા તા. ભચાઉ
11	Vondh, Ta: Bhachau, Dist: Kutch	RAJESH MAKVANA TEM VUNDH 9909173873	22/06/23	તલાટી સહ મંત્રી, વોંધ ગ્રામ પંચાયત તા. ભચાઉ-કચ.

Annexure-19
Environment Statement (Form-V)



AIL/KUT/ENV/2024-25/17
Date : 20.06.2024

XGN ID : 17766

To,
The Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector - 10/A,
Gandhinagar - 382010

Subject : Environment Statement (Form-V) from April 2023- March 2024.

Respected Sir,

With reference to the above mentioned subject, please find herewith the Environment Statement for the period April-2023 to March-2024 in Form-V for Aarti Industries Limited(Anushakti Division) located at Plot No.1430/1, N H 8-A, Bhachau-370140, Tal-Bhachau, Dist-Kutch.

We hope you will find the above is in order.

Thanking you,

Yours Faithfully,
For Aarti Industries Limited (Anushakti Division)

Authorized Signatory

Encl : as above

CC:

1. The Regional Officer, Gujarat Pollution Control Board, Kutch (East)
- ✓ 2. Unit Head- Kutch(East), Gujarat Pollution Control Board.



24/06/24
Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar 382010

www.aarti-industries.com | CIN : L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, IIIrd Phase, GIDC Vapi-396195, Dist- Valsad. INDIA. T : 0260-2400366.
Factory : Survey No. 1430/1, N.H. No. 8-A, Bhachau, Ta-Bhachau, Dist-Kutch, Pin-370140, INDIA. Tel : +91 63538 65478
Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund(W), Mumbai - 400080, INDIA
T : 022 - 67976666, F : 022 - 2565 3234 | E : info@aarti-industries.com

Annexure-20
Newspaper Advertisement



AIL/KUT/ENV/2023-24/18
Date: 23/06/2022

GPCB ID : 17766

To,
The Regional Officer,
Gujarat Pollution Control Board,
Kutch (East), Gandhidham.


Subject: Regarding Advertisement of Environment Clearance of M/s. Aarti Industries Limited (Anushakti Division), Plot No. 1430/1, NH 8 A, Bhachau, Kutch - 370140, Gujarat.

Respected Sir,

We have received Environment Clearance accorded from the Ministry of Environment, Forest & Climate Change (Impact Assessment Division), New Delhi, dated 17th June 2023 via EC Identification No. EC23A021GJI67443 and File No. IA-J-11011/293/2020-IA-II(I). One Copy of the Environment Clearance was submitted at your good office. An advertisement for the same was given in Kutchmitra(Gujarati newspaper) & The Indian Express (English newspaper) on 21.06.2023. Copy of the same is enclosed herewith for your ready reference.

Thanking you,

For **Aarti Industries Limited (Anushakti Division)**


Authorized Signatory

CC :

- 1) The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010
- 2) Deputy Director General of Forest, Integrated Regional Office - Gandhinagar, A Wing - 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector - 10A, Gandhinagar - 382010

Encl:

Advertisement in Kutchmitra (Gujarati newspaper)
Advertisement in The Indian Express (English newspaper)
Environment Clearance copy

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, Illrd Phase, GIDC Vapi-396195, Dist- Valsad. INDIA. T : 0260-2400366.

Factory : Survey No.1430/1, N.H No. 8-A, Tal.-Bhachau, Dist-Kutch, Pin-370140, INDIA. Tel.: +91 6353865478.

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.

T : 022-67976666, F : 022-2565 3234 | E : info@aarti-industries.com

જય જગન્નાથના નારા સાથે બજારો ગુંજી ઊઠી : મોસાળ રેલવે કોલોનીમાં રોકાણ કરશે



ગાંધીધામ ખાતે ભગવાન જગન્નાથની બાહુડા રથયાત્રાનું આયોજન કરાયું હતું જેમાં ઉપસ્થિત લોકો તસવીરમાં જણાય છે.

ગાંધીધામ, તા. ૨૦ : અહીંના જય જગન્નાથ સેવા ટ્રસ્ટ દ્વારા દર વર્ષની જેમ આ વર્ષે પણ આપાટી બીજાના ભગવાન જગન્નાથની બાહુડા યાત્રા (શોભાયાત્રા)નું આયોજન કરવામાં આવ્યું હતું. આ રથયાત્રામાં બહોળી સંખ્યામાં લોકો જોડાયા હતા. દેર દેર આ યાત્રાનું સ્વાગત કરવામાં આવ્યું હતું.

મોરિયાના પુત્રીના ભગવાન જગન્નાથની વાર્ષિક મુલાકાત યાદમાં ગુણીયા મંદિર ખાતેથી અખાઠ મહિનામાં રથયાત્રાનું આયોજન કરાય છે. ગાંધીધામમાં જય જગન્નાથ સેવા ટ્રસ્ટ દ્વારા આજે બાસી રથયાત્રાનું આયોજન કરાયું હતું. ગણપાદરના વર્ધમાનનગર ખાતે જગન્નાથના મંદિર ખાતેથી આજે સવારે આ ગુણીયા રથયાત્રાનું પ્રસ્થાન કરાવાયું હતું. આ

રથયાત્રા રાજવી ફાટક થઈ ઓમ સિનેમા ચાર રસ્તાથી વોટરી સર્કલ ખાતે પહોંચ્યા બાદ ટાંગોર રોડથી મુખ્ય બજાર બાજુ આવી હતી.

દરમિયાન મુસ્લિમ સમાજ દ્વારા રથયાત્રાનું ધારતોરા તથા ઊંચિયા સમાજનું સાલ ઓઠાડી સ્વાગત કરવામાં આવ્યું હતું. સમાજના અગ્રણી હાજી જુમાં રાયયાએ તમામ કચ્છીઓ,

દેશવાસીઓને કચ્છી નવાં વર્ષ તથા ભગવાન જગન્નાથની રથયાત્રાની શુભેચ્છાઓ પાઠવી હતી. આ વેળાએ સંપદ અનવરચા બાપુ, મહંમદ આગરિયા, સાદિક રાયમા, લતીફ ખલીલા, સુલ્તાન રાયમા વગેરે ઉપસ્થિત રહ્યા હતા.

મુખ્ય બજારમાં પણ વિવિધ સંગઠનોએ આ રથયાત્રાનું સ્વાગત કર્યું હતું. જય જગન્નાથના

નાદ સાથે વાતાવરણ ગુંજી ઊઠ્યું હતું. મુખ્ય બજાર થઈ રથયાત્રા રેલવે કોલોની ખાતે પહોંચી હતી, જ્યાં શિવમંદિર પરિસરમાં તા. ૨૧/૬ના સંજા આરતી મહાપ્રસાદ વગેરેનું આયોજન કરાયું છે. તા. ૨૮/૬ના સવારે બાહુડા યાત્રા પરત ગણપાદર પહોંચશે અને તા. ૨૯/૬ના એકાદમી અને સ્વર્ણ વંશના દર્શન સહિતના કાર્યક્રમો યોજાશે.

ખાસ નોંધ
તારીખ ૧૭/૬/૨૦૨૩ના રાખેલ ઓપન ઈન્ડરવુલ વિધોગનોએ વાલ્યાઓડાને કારણે તા. ૧૬ જુનના ઓફિસ પ્રવેશમાં ફેરી તુલસી રાખેલ હતા, જે હવે તા. ૨૭/૬/૨૦૨૩, મંગળવારે એજ રથને સવારે ૬:૦૦લાઈ રાખેલ છે જેની સવેએ નોંધ લેવી

આરતી ઇન્ડસ્ટ્રીઝ લિમિટેડ (અયુશક્તિ વિભાગ)
પ્લોટ નંબર ૧૪૩૦/૧, એન એચ નંબર ૮ થી, તાલુકા મોસાળ, જિલ્લો કચ્છ, રાજ્ય ગુજરાત-૩૭૦૧૪૦ ખાતે.

મોસાળ જિલ્લા કચ્છ, રાજ્ય ગુજરાત ખાતે સિમેન્ટીક ઓરિએન્ટેડ કોર્પોરેશન દ્વારા પુનઃવિતરણ માટે MOEF&CC, નવી દિલ્હી દ્વારા પર્યાવરણીય મંજૂરીની સુચના.

આથી તમામ સંબંધિત અને જાહેર જનતાને જાણ કરવામાં આવે છે કે સિમેન્ટીક ઓરિએન્ટેડ કોર્પોરેશન (ઓરિએન્ટેડ કોર્પોરેશન) દ્વારા કોર્પોરેશનના પ્લોટ નંબર ૧૪૩૦/૧, એન એચ નંબર ૮ થી, તાલુકા મોસાળ, જિલ્લો કચ્છ, રાજ્ય ગુજરાત ખાતે સિમેન્ટીક ઓરિએન્ટેડ કોર્પોરેશન દ્વારા પુનઃવિતરણ માટે MOEF&CC, નવી દિલ્હી દ્વારા પર્યાવરણીય મંજૂરીની સુચના છે. આ મંજૂરીની સુચના અંગેની વિગતો માટે MOEF&CC, નવી દિલ્હી દ્વારા તારીખ ૧૬/૬/૨૦૨૩ના રોજ મોકલવામાં આવેલ છે. ઉપરોક્ત મંજૂરી પત્રનો નકલ ગુજરાત પર્યાવરણ મંજૂરી બોર્ડ કચ્છ - મોસાળ ખાતે રાખીને તમામ સંબંધિત અને જાહેર જનતાને જાણ કરવામાં આવે છે. આ મંજૂરીની સુચના અંગેની વિગતો માટે MOEF&CC, નવી દિલ્હી દ્વારા તારીખ ૧૬/૬/૨૦૨૩ના રોજ મોકલવામાં આવેલ છે.

MAHARASHTRA SMALL SCALE INDUSTRIES DEVELOPMENT CORPORATION LIMITED
(A Government of Maharashtra Undertaking)
CORRIGENDUM NO. 1 - E REQUEST PROPOSAL - ID NO. 2023 MSSID 912250 1

The last date for submission of the E Request For Proposal (RFP) for the Selection of the State Programme Implementation Unit (SPIU) for Implementation and Monitoring of the Strategic Investment Plan (SIP) under Raising and Accelerating MSME Programme (RAMP) in the State of Maharashtra is extended up to Monday, 10.07.2023 at 5.00 pm. The detailed schedule is available on the Government of Maharashtra website www.mahatenders.gov.in.

Authorized signatory
Date: 21/06/2023, Place : Mumbai

WWW.INDIANEXPRESS.COM
THE INDIAN EXPRESS, WEDNESDAY, JUNE 21, 2023

AARTI INDUSTRIES LIMITED (ANUSHAKTI DIVISION)
At Plot No. 1430/1, NH No. 8A, Taluka Bhachau, District Kutch, State Gujarat-370140

NOTICE OF ENVIRONMENTAL CLEARANCE BY MOEF&CC, NEW DELHI FOR PROPOSED EXPANSION OF SYNTHETIC ORGANIC CHEMICAL INDUSTRY AT BHACHAU, DISTRICT KUTCH, STATE GUJARAT.

This is to inform to all concerned & public at large, that the Proposed Expansion of Synthetic Organic Chemical Industry 5(f) (Dyes & Dye Intermediates, Bulk Drugs and intermediates excluding drug formulation, synthetic rubbers, basic organic chemicals, other synthetic organic chemicals and chemical intermediates) of total production Capacity 4,04,720 TPA located at Plot No. 1430/1, NH No. 8A, Taluka Bhachau, District Kutch, State Gujarat has been accorded Environmental Clearance by MoEF&CC, New Delhi vide its letter no.: F.No. J-11011/293/2020-IA-II (f) with EC identification no. EC23AG21G167443 dated 17th June, 2023. The copy of the said clearance letter is available with the Gujarat Pollution Control Board Kutch-East (Gandhinagar and Gandhinagar) and may also be seen at Website of the Ministry at <https://parivesh.nic.in/>.

Date: 21-06-2023

Admission to M.Sc. Biotechnology
Admission through (Monthly stipend) Medical Bio

GUJARAT BIOTECHNOLOGY UNIVERSITY

વિજ્ઞાપન સં./ADVERTISEMENT NO.: સેકSAC.02:2023. દિનાક Da

અતિરિક્ત ઉપયોગ કેન્દ્ર (સેક) માત્ર અભ્યર્થિઓ સોનિપ્રવેશિત પદો હેતુ કરતાં Space Applications Centre (SAC) invites online applications from eligible candidates:

પદકોડ Post Code	પદનામ/Name of the Post વેતન મેટ્રિક્સ નો સ્તર/ Pay & Level in the Pay Matrix	રિક્તિયાઓ સંખ્યા Total No. of Vacancies	અગ્રણી Ag
01	કનિહ અનુવાદ અધિકારી Junior Translation Officer સ્તર-Level-06 (₹35,400 - ₹1,12,400)	કુલ Total - 01 (અના. UR - 01)	11
02	કેટીન સર્વિસ સુપરવાઇઝર Catering Supervisor સ્તર-Level-06 (₹35,400 - ₹1,12,400)	કુલ Total - 01 (અના. UR - 01)	11

આવેદન માત્ર ઓન-લાઇન સ્વિકૃતિ માટે જાહેર કરવામાં આવેલ છે. ઓન-લાઇન સ્વિકૃતિ માટેની વિગતો માટે <https://www.sac.gov.in> પર જઈને જાણવામાં આવેલ છે. ઓન-લાઇન સ્વિકૃતિ માટેની વિગતો માટે <https://www.sac.gov.in> પર જઈને જાણવામાં આવેલ છે. ઓન-લાઇન સ્વિકૃતિ માટેની વિગતો માટે <https://www.sac.gov.in> પર જઈને જાણવામાં આવેલ છે.

Aarti Industries Limited (Anushakti Division), Plot No 1430/1, N H 8/A, Bhachau, Kutch, Gujarat
EC Corrigendum Identification No. EC23A0202GJ5456892E, File No. IA-J-11011/293/2020-IA-II(I) Compliance Report

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All the parameters are well within the prescribed limit.</p> <p>We are operating APCMs regularly & therefore we are achieving permissible limit.</p> <p>Stack monitoring report from NABL Approved laboratory is attached as Annexure-6.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Stack</th> <th>Parameters</th> <th>April 24</th> <th>May 24</th> <th>June 24</th> <th>July 24</th> <th>Aug 24</th> <th>Sep 24</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Boiler 36 TPH (CPP)</td> <td>PM</td> <td>15.36</td> <td>19.63</td> <td>15.63</td> <td>12.52</td> <td>15.65</td> <td>13.45</td> </tr> <tr> <td>SO₂</td> <td>10.98</td> <td>11.02</td> <td>12.02</td> <td>13.65</td> <td>12.32</td> <td>15.36</td> </tr> <tr> <td>NO_x</td> <td>13.59</td> <td>12.51</td> <td>13.65</td> <td>14.85</td> <td>13.85</td> <td>11.06</td> </tr> <tr> <td rowspan="2">Boiler 15 TPH</td> <td>PM</td> <td>51.87</td> <td>55.95</td> <td>52.36</td> <td rowspan="2">Plant shutd own</td> <td rowspan="2">Plant shutd own</td> <td rowspan="2">Plant shutd own</td> </tr> <tr> <td>SO₂</td> <td>37.26</td> <td>36.65</td> <td>35.65</td> </tr> <tr> <td rowspan="3">FBC Boiler 12 TPH</td> <td>PM</td> <td>55.36</td> <td>60.45</td> <td>55.36</td> <td>50.36</td> <td rowspan="2">Plant shutd own</td> <td>55.87</td> </tr> <tr> <td>SO₂</td> <td>38.78</td> <td>23.65</td> <td>26.44</td> <td>28.54</td> <td>25.16</td> </tr> <tr> <td>NO_x</td> <td>25.15</td> <td>32.48</td> <td>30.45</td> <td>24.85</td> <td>own</td> <td>28.74</td> </tr> <tr> <td rowspan="3">Hot Air Generator</td> <td>PM</td> <td rowspan="3">Plant shutd own</td> <td>45.32</td> <td>45.32</td> <td>48.32</td> <td>48.32</td> <td>52.36</td> </tr> <tr> <td>SO₂</td> <td>10.26</td> <td>10.26</td> <td>9.12</td> <td>9.12</td> <td>10.08</td> </tr> <tr> <td>NO_x</td> <td>12.65</td> <td>12.65</td> <td>11.03</td> <td>11.03</td> <td>13.34</td> </tr> </tbody> </table>	Stack	Parameters	April 24	May 24	June 24	July 24	Aug 24	Sep 24	Boiler 36 TPH (CPP)	PM	15.36	19.63	15.63	12.52	15.65	13.45	SO ₂	10.98	11.02	12.02	13.65	12.32	15.36	NO _x	13.59	12.51	13.65	14.85	13.85	11.06	Boiler 15 TPH	PM	51.87	55.95	52.36	Plant shutd own	Plant shutd own	Plant shutd own	SO ₂	37.26	36.65	35.65	FBC Boiler 12 TPH	PM	55.36	60.45	55.36	50.36	Plant shutd own	55.87	SO ₂	38.78	23.65	26.44	28.54	25.16	NO _x	25.15	32.48	30.45	24.85	own	28.74	Hot Air Generator	PM	Plant shutd own	45.32	45.32	48.32	48.32	52.36	SO ₂	10.26	10.26	9.12	9.12	10.08	NO _x	12.65	12.65	11.03	11.03	13.34
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						Nm 3	wat er & Alka li Scrub ber	Plan t																
3	Nitrator	1	30	NOx: 100 mg/ Nm 3	Two Stag e wat er & Alka li Scrub ber	Nitr atio n Plan t	4	Ther mic Fluid Heate r	20 Lac Kca l/Hr	30	Coa l	Bag Filter + Dry Scrub ber	Wor king	Ther mic Fluid Heater-1 (20 Lac KCal/Hr)	PM	69.77	65.87	62.22	59.85	53.36	48.69	Plant shutd own		
															SO2	45.32	42.69	38.69	34.26	30.21	26.36			
															NOx	31.85	33.45	31.58	27.15	26.89	24.02			
4	Mixing Tank of CaCl ₂	1	25	PM: 150 mg/ Nm 3, HCl: 20 mg/ Nm 3	Alka li Scrub ber	CaCl 2 plan t	5	Hot Air Gener ator	-	10	Coa l	Alkal i Scrub ber	Wor king	Ther mic Fluid Heater-2 (30 Lac KCal/Hr)	PM	60.41	66.98	62.45	60.66	55.36	Plant shutd own			
															SO2	38.79	35.87	32.69	28.73	59.54		28.63		
															NOx	26.58	29.85	26.45	25.02	28.63		28.63		
5	CaCl ₂ Dryer Vents	1	20	PM: 150 mg/ Nm 3	Two Stag e Wet Scrub ber (Ven	CaCl 2 plan t	6	Boiler	36 TP H	30	Coa l	ESP + Dry Scrub ber	Wor king	Ther mic Fluid Heater-3 (10 Lac KCal/Hr)	PM	49.54	45.36	40.25	35.36	40.12	Plant shutd own			
															SO2	8	7.05	6.02	10.02	15.32		17.45		
															NOx	13	10.07	8.12	12.36	17.45		17.45		
7	DG Sets	1	25	PM: 150 mg/ Nm 3, HCl: 20 mg/ Nm 3	Alka li Scrub ber	CaCl 2 plan t	7	DG Sets	100 0 kV A x 2 nos.	15	Die sel	65 0 lit res/ hr	Adeq uate stack heigh t	used whe n pow er from grid is not avail able	D.G. Set - 1 1000 kVA	PM	25.65	22.36	21.25	23.36	21.41	22.36	D.G. Set - 2 1000 kVA	
																SO2	11.1	11.08	12.02	11.02	13.12	13.06		
																NOx	24.69	26.65	25.36	26.78	25.36	27.98		
1	Boiler	12 TP H	30	PM: 150 mg/ Nm 3	Two Stag e Wet Scrub ber (Ven	CaCl 2 plan t	1	Boiler	12 TP H	30	Coa l/ Coa l + Bio mass	75 M T/ Da y	ESP + Dry Scrub ber	P M: 150 mg /N m3	Exist ing stan dby conv erted to	D.G. Set - 2 1000 kVA	PM	20.22	23.21	24.54	22.21	20.54	23.54	D.G. Set - 2 1000 kVA
																	SO2	11.69	10.15	11.1	12.06	10.69	11.14	
																	NOx	27.84	25.98	28.66	27.45	28.41	26.77	

Remaining 36 TPH Boiler, Thermic Fluid Heater (40 Lac KCal/Hr), D.G. Sets - 2000 KVA x 1 no, Thermal Oxidizer 90 lakh kcal/hr /12.66TPH is yet to be installed and will be covered in the next phase of CCA amendment.

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1		CaCl ₂ mixing Plant-1	1	15	HCl: 20 mg/Nm ³	Alkali scrubber	CaCl ₂ (Old Plant)	2	Boiler	15 TPH	30	Coal + Biomass	10 T/Day	ESP + Dry Scrubber																																																																							
2		Chlorine Shed	1	15	Cl ₂ : 9 mg/Nm ³	Chlorine shed scrubber (Alkali Scrubber)	Chlorine Shed	3	Boiler	36 TPH	65	Coal + Biomass	220 MT/Day	ESP + Dry Scrubber																																																																							
3		HCL Tank farm - (Additional precautionary)	1	11	HCl: 20 mg/Nm ³	Two stage (water + caustic) scrubber	HCL Tank farm	4	Thermic Fluid Heater	30 Lac Kcal/Hr	30	Coal + Biomass	26 MT/Day	Bag Filter + Dry Scrubber																																																																							
4		2,4 Dichloro-	1	11	NOx: 100	two stage	Nitro	5	Thermic Fluid Heater	40 Lac Kcal/Hr	30	Coal + Biomass	36 MT/Day	ESP + Dry Scrubber																																																																							

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		3,5 Dinitro Benzo Tri Fluoride (DCDNBTF) scrubber				mg/ Nm ³	e H ₂ S O ₄ scrubber followed by Caustic scrubber	toluene mixture				mass			Working	<table border="1"> <tr> <td></td> <td></td> <td>shed</td> <td></td> <td>in case of Emergency only</td> <td>in case of Emergency only</td> <td>in case of Emergency only</td> <td></td> <td>d in case of Emergency only</td> <td>in case of Emergency only</td> </tr> </table>									shed		in case of Emergency only	in case of Emergency only	in case of Emergency only		d in case of Emergency only	in case of Emergency only																		
		shed		in case of Emergency only	in case of Emergency only	in case of Emergency only		d in case of Emergency only	in case of Emergency only																																									
		Total After Proposed Expansion													Additional + Continuous Working	<p>CaCl₂ mixing plant -1 stack is dismantled as Old CaCl₂ plant is dismantled and 2,4 Dichloro- 3,5 Dinitro Benzo Tri Fluoride (DCDNBTF) scrubber plant will be installed when the said product will be started for manufacturing.</p> <p>Fuel Consumption :</p> <table border="1"> <thead> <tr> <th>Fuel</th> <th>April 24</th> <th>May 24</th> <th>June 24</th> <th>July 24</th> <th>Aug 24</th> <th>Sept 24</th> </tr> </thead> <tbody> <tr> <td>Diesel (Liters)</td> <td>5025</td> <td>3,213</td> <td>5950</td> <td>1997</td> <td>2042</td> <td>3920</td> </tr> <tr> <td>Coal(MT)</td> <td>5849</td> <td>8705</td> <td>8081</td> <td>6659</td> <td>6,648</td> <td>6034.9</td> </tr> <tr> <td>LSHS (MT)</td> <td>67.78</td> <td>27.2</td> <td>55.225</td> <td>50.76</td> <td>90.57</td> <td>77.296</td> </tr> </tbody> </table>							Fuel	April 24	May 24	June 24	July 24	Aug 24	Sept 24	Diesel (Liters)	5025	3,213	5950	1997	2042	3920	Coal(MT)	5849	8705	8081	6659	6,648	6034.9	LSHS (MT)	67.78	27.2	55.225	50.76	90.57	77.296
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		1 Chlorination plant (HCl stack)		1	30	HCl: 20 mg/ Nm ³	Two stage water & alkali scrubber	Chlorination Plant	6 Thermic Fluid Heater		20 Lac Kcal/Hr	30	LSHS	6.25 MT/day	Stack with adequate height	Existing + Continuous Working	<p>Fuel consumption, Flue gas emission and process gas emission is well within the consent limit.</p>																																	
		2 Nitration plant (Nitratator, Nitration plant Loading area)		1	30	NOx: 100 mg/ Nm ³	two stage H ₂ S O ₄ scrubber followed by	Nitration Plant	7 Thermic Fluid Heater		20 Lac Kcal/Hr	30	Coal + Biomass	14.4 MT/Day	Stack with adequate height	Additional + Working																																		
		1 Hot Air Generator		-	10				8 Thermic Fluid Heater		0.5 Lac Kcal/Hr	15	Diesel	0.15 MT/day	Stack with adequate height	Additional + Working																																		
		1 Hot Air Generator		-	10				9 Hot Air Generator				Coal + Biomass	48 MT/Day	Alkali Scrubber	Existing + Continuous Working																																		

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							Cau stic scru bber											Addi tiona l
		3	Alkali scrubber of CaCl ₂ plant	1	25	PM: 150 mg/ Nm 3	Alka li Scru bber	CaCl ₂ plan t	10	DG sets	200 0 KV A x 2 nos.	11	Die sel	13 00 lit res/ hr	Stack with adeq uate heigh t			Used whe n pow er from grid is not avail able
		4	CaCl ₂ Dryer vents	1	20	PM: 150 mg/ Nm 3	Two stag e wet Scru bber (Ven turi Scru bber)	CaCl ₂ plan t	11	Ther mal Oxidi zer / Waste heat boiler for off gases	90 lak h kca l/hr / 12.6 6 TP H	30	Off- gas es (Pro ces s Gas es)	62 M T/ Da y	Selec tive Catal ytic Redu ction (SCR)			Addi tiona l + Cont inuo us Wor king
		5	CaCl ₂ mixing plant -1	1	15	HCl: 20 mg/ Nm 3	Alka li scru bber	CaCl ₂ plan t (Old Plan t)	Total After Proposed Expansion									
		6	Chlorine Shed	1	15	Cl ₂ : 9 mg/ Nm 3	Chlo rine she d scru	Chlo rine She d	1	Boiler	12 TP H	30	Coa l/ 75 M T/ Da y Coa l + Bio ma ss	ESP + Dry Scrub ber	P M: 150 mg /N m ³ SO 2:		Exist ing + Wor king	

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							bber (Alkali Scrubber)										
		7	HCl Tank farm - (Additional precautionary)	1	11	HCl: 20 mg/Nm ³	Two stage (water + caustic) scrubber	HCl Tank farm									
		8	2,4 Dichloro-3,5 Dinitro Benzo Tri Fluoride (DCDNBTF) scrubber	1	11	HCl: 20 mg/Nm ³ , Cl ₂ : 9 mg/Nm ³	Two stage water followed by caustic scrubber	DCD NBT F									
									2	Boiler	15 TP H	30	Coal/ Coal + Biomass	100 T/Day	ESP + Dry Scrubber	100 ppm NOx: 50 ppm	Existing + Working
									3	Boiler	36 TP H	30	Coal/ Coal + Biomass	220 MT/Day	ESP + Dry Scrubber		Existing + Working
									4	Boiler	36 TP H	65 *	Coal/ Coal + Biomass	220 MT/Day	ESP + Dry Scrubber		Additional + Working
									5	Thermic Fluid Heater	20 Lac Kcal/Hr	30	Coal/ Coal + Biomass	14.4 MT/Day	Multi Cyclone with Dust Collector + Dry Scrubber		Existing + Working

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			6	Ther mic Fluid Heate r	30 Lac Kca l/Hr	30	Coa l/ Coa l+ Bio ma ss	26 M T/ Da y	Bag Filter + Dry Scrub ber	Exist ing repla ced by high er capa city
			7	Ther mic Fluid Heate r	40 Lac Kca l/Hr	30	Coa l/ Coa l+ Bio ma ss	36 M T/ Da y	ESP + Dry Scrub ber	Addi tiona l+ Wor king
			8	Ther mic Fluid Heate r	20 Lac Kca l/Hr	30	LSH S	6.2 5 M T/ da y	Adeq uate stack heigh t	Addi tiona l+ Wor king
			9	Ther mic Fluid Heate r	0.5 Lac Kca l/Hr	30	Die sel	0.1 5 M T/ da y	Adeq uate stack heigh t	Addi tiona l+ Wor king
			10	Hot Air Gener ator	-	30	Coa l/ Coa l+	48 M T/	Alkal i Scrub ber	Exist ing+ Wor king

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					Bio ma ss	Da y				
			1 1	DG Set	100 0 KV A x 2 nos.	11	Die sel	65 0 lit/ hr	Adeq uate stack heigh t	Exist ing + Wor king
			1 2	DG set	200 0 KV A x 2 nos.	11	Die sel	13 00 lit/ hr	Adeq uate stack heigh t	Addi tiona l + Wor king
			1 3	Ther mal Oxidi zer / Waste heat boiler for off gases	90 lak h kca l/hr / 12.6 6 TP H	30	Off- gas es	62 M T/ da y	Selec tive Catal ytic Redu ction (SCR)	Addi tiona l + Wor king
Details of Process Emissions Generation and its Management:										

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			S. N. o.	Stack Attached to	N o s o f S t a c k s	St ac k H ei g ht in m	Pollut ants Emitte d & Limits	Air Pollution Control Measures Attached	Locat ion	
Existing										
			1	Incinerator	1	30	PM: 150 mg/N m3, SO2: 100 ppm, NOx: 50 ppm	Scrubber	Remo ved	
			2	HCl Stack	1	30	HCl: 20 mg/N m3	Two Stage water & Alkali Scrubber	Chlor inatio n Plant	
			3	Nitrator	1	30	NOx: 100 mg/N m3	Two Stage water & Alkali Scrubber	Nitrat ion Plant	

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			4	Mixing Tank of CaCl ₂	1	25	PM: 150 mg/N m ³ , HCl: 20 mg/N m ³	Alkali Scrubber	CaCl ₂ plant
			5	CaCl ₂ Dryer Vents	1	20	PM: 150 mg/N m ³	Two Stage Wet Scrubber (Venturi Scrubber)	CaCl ₂ plant
Proposed									
			1	CaCl ₂ mixing Plant-1	1	15	HCl: 20 mg/N m ³	Alkali scrubber	CaCl ₂ (Old Plant)
			2	Chlorine Shed	1	15	Cl ₂ : 9 mg/N m ³	Chlorine shed scrubber (Alkali Scrubber)	Chlorine Shed
			3	HCL Tank farm - (Additional precautionary)	1	11	HCl: 20 mg/N m ³	Two stage (water + caustic) scrubber	HCL Tank farm
			4	2,4 Dichloro-	1	11	NOx: 100	two stage H ₂ SO ₄	Nitro toluene

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						3,5 Dinitro Benzo Tri Fluoride (DCDNBTF) scrubber	mg/N m3	scrubber followed by Caustic scrubber	ne mixture	
Total After Proposed Expansion										
			1	30		Chlorination plant (HCl stack)	HCl: 20 mg/N m3	Two stage water & alkali scrubber	Chlorination Plant	
			1	30		Nitration plant (Nitrator, Nitration plant Loading area)	NOx: 100 mg/N m3	two stage H ₂ SO ₄ scrubber followed by Caustic scrubber	Nitration Plant	
			1	25		Alkali scrubber of CaCl ₂ plant	PM: 150 mg/N m3	Alkali Scrubber	CaCl ₂ plant	
			1	20		CaCl ₂ Dryer vents	PM: 150 mg/N m3	Two stage wet Scrubber (Venturi Scrubber)	CaCl ₂ plant	
			1	15		CaCl ₂ mixing plant -1	HCl: 20 mg/N m3	Alkali scrubber	CaCl ₂ plant (Old Plant)	

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			6	Chlorine Shed	1	15	Cl ₂ : 9 mg/N m ³	Chlorine shed scrubber (Alkali Scrubber)	Chlorine Shed	
			7	HCl Tank farm - (Additional precautionary)	1	11	HCl: 20 mg/N m ³	Two stage (water + caustic) scrubber	HCl Tank farm	
			8	2,4 Dichloro- 3,5 Dinitro Benzo Tri Fluoride (DCDNBTF) scrubber	1	11	HCl: 20 mg/N m ³ , Cl ₂ : 9 mg/N m ³	Two stage water followed by caustic scrubber	DCDN BTF	