

12<sup>th</sup> November 2024  
AIL/JH/2024/ENV/117

To,  
Deputy Director General of Forest (C),  
Ministry of Environment Forest and Climate Change,  
Integrated Regional Office - Gandhinagar,  
A Wing - 407 & 409, Aryan Bhawan,  
Near CH-3 Circle, Sector - 10A,  
Gandhinagar - 382010

**Subject: Half Yearly Compliance report to the conditions of Environment Clearance for a period of April 2024 to September 2024.**

**Reference:**

1. SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013
2. SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019

Respected Sir,

With reference to the subject cited above, Unit is enclosing herewith the compliance Report for the period of **April 2024 to September 2024** in respect to the above mentioned References of Environment Clearance and its Amendments for "Expansion of Synthetic Organic Chemical" manufacturing unit at Plot No. 758/1-2-3, GIDC Jhagadia, District: Bharuch, Gujarat.

The Compliance report is supported with required documents.

Thanking you,

Yours Faithfully,

**For, Aarti Industries Limited (Unit-I)**



**Authorized Signatory**



**Encl : EC Compliance Report with Annexures**

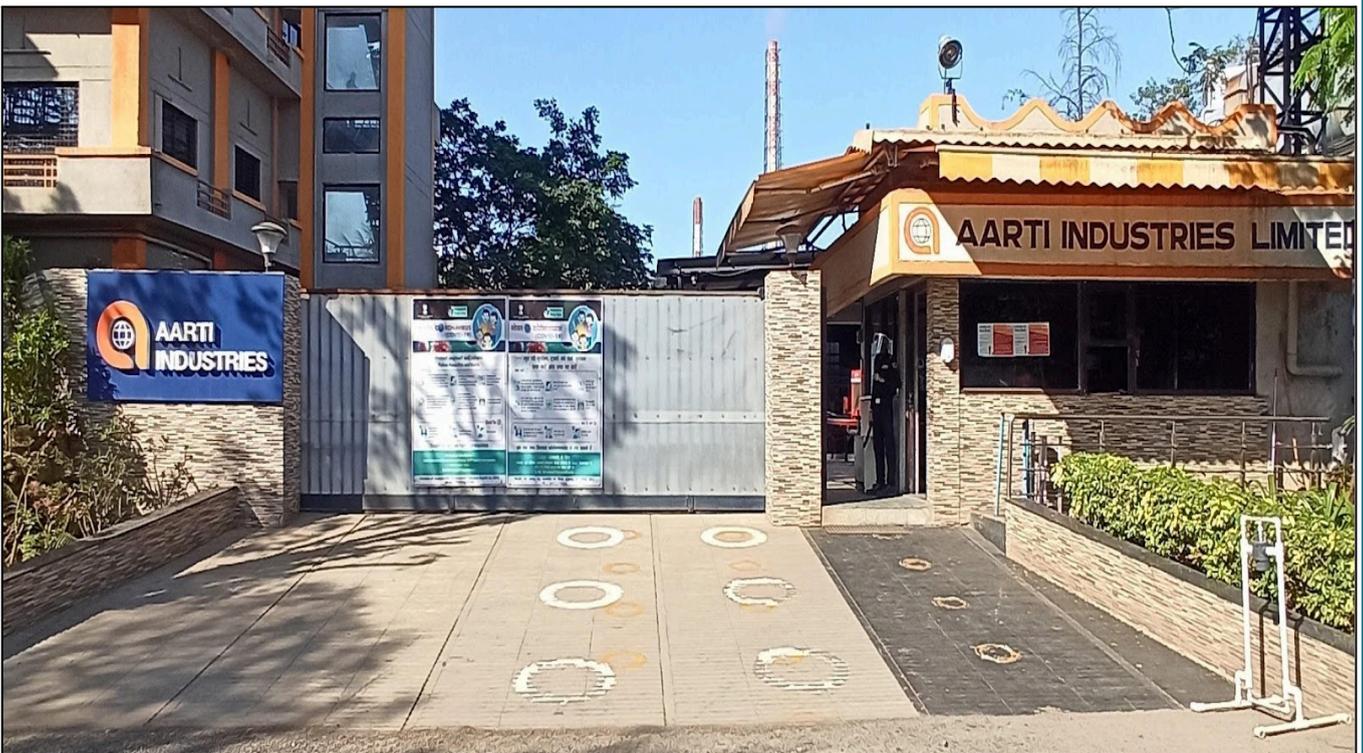
**Copy to:**

1. Email to The Regional Director,  
Central Pollution Control Board, Vadodara.
2. The Member Secretary,  
Gujarat Pollution Control Board, Gandhinagar.
3. Email to SEIAA, Gujarat.
4. Uploaded in Parivesh, MoEF&CC Portal.

**EC: SEIAA/GUJ/EC/5(f)/81/2013, dated 22.04.2013**  
**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

# **Half-Yearly Environmental Clearance Compliance Report**

**April 2024 to September 2024**



**Aarti Industries Limited (Unit-I)**

Plot No. 758/1-2-3

GIDC Industrial Estate, Jhagadia 393110

Dist: Bharuch, Gujarat

**Environment Compliance Report of  
EC File No.: SEIAA/GUJ/EC/5(f)/81/2013  
dated 22.04.2013**

**Environmental Clearance Compliance Report - April 2024 to September 2024**

EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013

Sr. No.	Name of Product	Existing Quantity MT/M	Proposed Quantity MT/M	Total Quantity MT/M	Remarks	Status
<b>I</b>	<b>Group A : Mono Nitro Derivatives of Benzenes &amp; Chloro Benzene</b>					
1	Para Nitro Chloro Benzene	3000	0	6000	As per EC, The Unit will manufacture either one product or more than one product from a list of existing products and/ or proposed products @ 6000 MT/M..	Complied
2	Ortho Nitro Chloro Benzene					
3	Ortho/Para/Meta-Nitro Cumene					
4	Nitro Benzene					
5	2,5- Dichloro Nitro Benzene					
6	3,4- Dichloro Nitro Benzene					
7	Ortho Nitro Toluene	0	3000			
8	Meta Nitro Toluene					
9	Para Nitro Toluene					
10	Meta Nitro Chloro Benzene					
11	3,4- Dichloro Nitro Benzene					
<b>II</b>	<b>Group B : Di Nitro Derivatives of Benzenes &amp; MCB</b>					
1	Di Nitro Benzene	1500	1500	3000		Complied
2	Di Nitro Chloro Benzene					

Month	Total Production (MT/Month)
Apr/24	4618.557
May/24	5787.263
Jun/24	5401.589
Jul/24	5149.518
Aug/24	5612.615
Sep/24	5132.851

The production quantities are well within prescribed limits.

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

						<table border="1"> <tr> <td><b>Apr/24</b></td> <td>605.562</td> </tr> <tr> <td><b>May/24</b></td> <td>485.055</td> </tr> <tr> <td><b>Jun/24</b></td> <td>0</td> </tr> <tr> <td><b>Jul/24</b></td> <td>0</td> </tr> <tr> <td><b>Aug/24</b></td> <td>976.513</td> </tr> <tr> <td><b>Sep/24</b></td> <td>1171.021</td> </tr> </table> <p>The production quantities are well within prescribed limits.</p>	<b>Apr/24</b>	605.562	<b>May/24</b>	485.055	<b>Jun/24</b>	0	<b>Jul/24</b>	0	<b>Aug/24</b>	976.513	<b>Sep/24</b>	1171.021		
<b>Apr/24</b>	605.562																			
<b>May/24</b>	485.055																			
<b>Jun/24</b>	0																			
<b>Jul/24</b>	0																			
<b>Aug/24</b>	976.513																			
<b>Sep/24</b>	1171.021																			
<b>III</b>	<b>Group C : Hydrogenated Products : (Reduction)</b>																			
1	Meta Chloro Aniline	2500	0	5000	In DCA Product, Unit will manufacture 2,3/2,4/2,5/2,6/3,4/3,5 DCA & Mixture of 2:3,2:4/2:4,2:5/2:5,2:6/ DCA & 2:3,2:4,2:5,2:6 DCA As per EC, The Unit will manufacture either one product or more than one product from a list	Complied														
2	Para Chloro Aniline																			
3	3,4 Di Chloro Aniline																			
4	2,3 Di Chloro Aniline																			
5	2,5 Di Chloro Aniline																			
6	Meta Phenylene Diamine																			
7	Para Phenylene Diamine																			
8	Ortho Phenylene Diamine																			
9	Ortho Anisidine																			
10	Para Anisidine																			
11	Chloro Fluoro																			
						<table border="1"> <thead> <tr> <th><b>Month</b></th> <th><b>Total Production (MT/Month)</b></th> </tr> </thead> <tbody> <tr> <td><b>Apr/24</b></td> <td>1461.672</td> </tr> <tr> <td><b>May/24</b></td> <td>1116.560</td> </tr> <tr> <td><b>Jun/24</b></td> <td>1753.402</td> </tr> <tr> <td><b>Jul/24</b></td> <td>2070.592</td> </tr> <tr> <td><b>Aug/24</b></td> <td>1710.700</td> </tr> <tr> <td><b>Sep/24</b></td> <td>1358.420</td> </tr> </tbody> </table> <p>The production quantities are well within prescribed limits.</p>	<b>Month</b>	<b>Total Production (MT/Month)</b>	<b>Apr/24</b>	1461.672	<b>May/24</b>	1116.560	<b>Jun/24</b>	1753.402	<b>Jul/24</b>	2070.592	<b>Aug/24</b>	1710.700	<b>Sep/24</b>	1358.420
<b>Month</b>	<b>Total Production (MT/Month)</b>																			
<b>Apr/24</b>	1461.672																			
<b>May/24</b>	1116.560																			
<b>Jun/24</b>	1753.402																			
<b>Jul/24</b>	2070.592																			
<b>Aug/24</b>	1710.700																			
<b>Sep/24</b>	1358.420																			

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

	Aniline				of existing products and/ or proposed products @ 5000 MT/M.
12	Para Cumidine				
13	Para Amino Phenol				
14	Meta Amino Phenol				
15	Toluidines				
16	Ortho Chloro Aniline	0	2500		
17	2,4 Di Chloro Aniline				
18	2,6 Di Chloro Aniline				
19	3,5 Di Chloro Aniline				
20	Mixer of 2,4/2,5 DCA				
21	Mixer of 2,5/2,6 DCA				
22	Mixer of 2,4/2,5/2,6 DCA				
23	Ortho Cumidine				
24	Meta Cumidine				
25	Meta Anisidine				
26	2,4,5 TrichloroAniline				
28	Para Fluoro Aniline				
29	Meta Fluoro Aniline				
30	Ortho Fluoro Aniline				
31	Di Fluoro Aniline				

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

	(1:3)																			
32	Di Fluoro Benzene (1:3)																			
33	4-Fluoro-N-Isopropyl Aniline																			
34	4-Chloro-N-Isopropyl Aniline																			
35	Other Reduction Products																			
	Total of Group A,B & C	7000	7000	14000		<p>Complied</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Total Production (MT/Month)</th> </tr> </thead> <tbody> <tr> <td>Apr/24</td> <td>6686.79</td> </tr> <tr> <td>May/24</td> <td>7388.88</td> </tr> <tr> <td>Jun/24</td> <td>7154.99</td> </tr> <tr> <td>Jul/24</td> <td>7220.11</td> </tr> <tr> <td>Aug/24</td> <td>8299.828</td> </tr> <tr> <td>Sep/24</td> <td>7662.29</td> </tr> </tbody> </table> <p>The production quantities are well within prescribed limits.</p>	Month	Total Production (MT/Month)	Apr/24	6686.79	May/24	7388.88	Jun/24	7154.99	Jul/24	7220.11	Aug/24	8299.828	Sep/24	7662.29
Month	Total Production (MT/Month)																			
Apr/24	6686.79																			
May/24	7388.88																			
Jun/24	7154.99																			
Jul/24	7220.11																			
Aug/24	8299.828																			
Sep/24	7662.29																			
<b>IV</b>	<b>Group D : Only Physical Separation</b>																			
1	Ortho/Para/Meta Chloro Toluene	0	450	450	Separation By Distillation	<p>Complied</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Total Production (MT/Month)</th> </tr> </thead> <tbody> <tr> <td>Apr/24</td> <td>185.864</td> </tr> <tr> <td>May/24</td> <td>184.308</td> </tr> </tbody> </table>	Month	Total Production (MT/Month)	Apr/24	185.864	May/24	184.308								
Month	Total Production (MT/Month)																			
Apr/24	185.864																			
May/24	184.308																			
2	2:3 DCNB/3:4 DCNB	0	550	550	Separation By Distillation															
	Total of Group D	0	1000	1000																

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

						<table border="1"> <tr> <td><b>Jun/24</b></td> <td>189.000</td> </tr> <tr> <td><b>Jul/24</b></td> <td>192.470</td> </tr> <tr> <td><b>Aug/24</b></td> <td>209.400</td> </tr> <tr> <td><b>Sep/24</b></td> <td>171.953</td> </tr> </table> <p>The production quantities are well within prescribed limits.</p>	<b>Jun/24</b>	189.000	<b>Jul/24</b>	192.470	<b>Aug/24</b>	209.400	<b>Sep/24</b>	171.953
<b>Jun/24</b>	189.000													
<b>Jul/24</b>	192.470													
<b>Aug/24</b>	209.400													
<b>Sep/24</b>	171.953													

<b>Sr. No.</b>	<b>CONDITIONS</b>	<b>COMPLIANCE STATUS</b>																									
<b>A</b>	<b>SPECIFIC CONDITIONS:</b>																										
<b>A.1</b>	<b>WATER:</b>																										
1	Total water requirement for the project shall not exceed 892 KL/day after the expansion and it shall be met through GIDC water supply only. No ground water shall be tapped for the project requirements in any case.	<p>Complied.</p> <p>Unit receives water from the GIDC water supply only. No groundwater is extracted.</p> <p>Unit has increased the water consumption limit to 1118 KLD as per the CCA No. AWH-119699 dated 29/06/2022 valid up to 07/06/2029 and same is enclosed herewith as <b><u>Annexure-1</u></b>.</p> <p>Water Bill from GIDC is enclosed herewith as <b><u>Annexure-2</u></b></p> <p>Total water consumption as per Water Bills is tabulated below:</p> <table border="1"> <thead> <tr> <th rowspan="3">Month</th> <th colspan="2">Water Consumption</th> </tr> <tr> <th>Total</th> <th>Avg</th> </tr> <tr> <th>KL/Month</th> <th>KLD</th> </tr> </thead> <tbody> <tr> <td><b>Apr/24</b></td> <td>32804</td> <td>1093.47</td> </tr> <tr> <td><b>May/24</b></td> <td>34596</td> <td>1116.00</td> </tr> <tr> <td><b>Jun/24</b></td> <td>29159</td> <td>971.97</td> </tr> <tr> <td><b>Jul/24</b></td> <td>17228</td> <td>555.74</td> </tr> <tr> <td><b>Aug/24</b></td> <td>34515</td> <td>1113.39</td> </tr> <tr> <td><b>Sep/24</b></td> <td>22160</td> <td>738.67</td> </tr> </tbody> </table> <p>Water consumption is well within consent limits.</p>	Month	Water Consumption		Total	Avg	KL/Month	KLD	<b>Apr/24</b>	32804	1093.47	<b>May/24</b>	34596	1116.00	<b>Jun/24</b>	29159	971.97	<b>Jul/24</b>	17228	555.74	<b>Aug/24</b>	34515	1113.39	<b>Sep/24</b>	22160	738.67
Month	Water Consumption																										
	Total	Avg																									
	KL/Month	KLD																									
<b>Apr/24</b>	32804	1093.47																									
<b>May/24</b>	34596	1116.00																									
<b>Jun/24</b>	29159	971.97																									
<b>Jul/24</b>	17228	555.74																									
<b>Aug/24</b>	34515	1113.39																									
<b>Sep/24</b>	22160	738.67																									

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

2	<p>Total effluent generation from the project shall not exceed 96 KL/day, (91 KL/day of industrial effluent &amp; 5 KL/day of domestic waste water) after the expansion.</p>	<p>Complied. Unit has increased the industrial wastewater generation limit to 216 KLD as per the specific condition No. n) of CCA No. AWH-119699 dated 29/06/2022 valid upto 07/06/2029 and same is enclosed herewith as <b><u>Annexure-1</u></b>.</p> <p>Total industrial wastewater generation from is tabulated below:</p> <table border="1" data-bbox="656 499 1492 982"> <thead> <tr> <th colspan="3" style="text-align: center;"><b>Industrial Wastewater Generation</b></th> </tr> <tr> <th rowspan="2" style="text-align: center;"><b>Month</b></th> <th style="text-align: center;"><b>Total</b></th> <th style="text-align: center;"><b>Avg</b></th> </tr> <tr> <th style="text-align: center;"><b>KL/ Month</b></th> <th style="text-align: center;"><b>KLD</b></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>Apr/24</b></td> <td style="text-align: center;">5040</td> <td style="text-align: center;">168</td> </tr> <tr> <td style="text-align: center;"><b>May/24</b></td> <td style="text-align: center;">6133</td> <td style="text-align: center;">198</td> </tr> <tr> <td style="text-align: center;"><b>Jun/24</b></td> <td style="text-align: center;">5546</td> <td style="text-align: center;">185</td> </tr> <tr> <td style="text-align: center;"><b>Jul/24</b></td> <td style="text-align: center;">5828</td> <td style="text-align: center;">188</td> </tr> <tr> <td style="text-align: center;"><b>Aug/24</b></td> <td style="text-align: center;">5920</td> <td style="text-align: center;">191</td> </tr> <tr> <td style="text-align: center;"><b>Sep/24</b></td> <td style="text-align: center;">6109</td> <td style="text-align: center;">204</td> </tr> </tbody> </table> <p>The domestic wastewater generation limit is 5 KLD as per the specific condition No. 1) of CCA No. AWH-119699 dated 29/06/2022 valid upto 07/06/2029 and same is enclosed herewith as <b><u>Annexure-1</u></b>.</p> <p>Total domestic wastewater generation from is tabulated below:</p> <table border="1" data-bbox="656 1268 1492 1772"> <thead> <tr> <th colspan="3" style="text-align: center;"><b>Domestic Wastewater Generation</b></th> </tr> <tr> <th rowspan="2" style="text-align: center;"><b>Month</b></th> <th style="text-align: center;"><b>Total</b></th> <th style="text-align: center;"><b>Avg</b></th> </tr> <tr> <th style="text-align: center;"><b>KL/ Month</b></th> <th style="text-align: center;"><b>KLD</b></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>Apr/24</b></td> <td style="text-align: center;">140.78</td> <td style="text-align: center;">4.69</td> </tr> <tr> <td style="text-align: center;"><b>May/24</b></td> <td style="text-align: center;">146.67</td> <td style="text-align: center;">4.73</td> </tr> <tr> <td style="text-align: center;"><b>Jun/24</b></td> <td style="text-align: center;">145.43</td> <td style="text-align: center;">4.85</td> </tr> <tr> <td style="text-align: center;"><b>Jul/24</b></td> <td style="text-align: center;">145.67</td> <td style="text-align: center;">4.70</td> </tr> <tr> <td style="text-align: center;"><b>Aug/24</b></td> <td style="text-align: center;">146.21</td> <td style="text-align: center;">4.72</td> </tr> <tr> <td style="text-align: center;"><b>Sep/24</b></td> <td style="text-align: center;">144.58</td> <td style="text-align: center;">4.82</td> </tr> </tbody> </table> <p>Wastewater generation is well within the prescribed limits.</p>	<b>Industrial Wastewater Generation</b>			<b>Month</b>	<b>Total</b>	<b>Avg</b>	<b>KL/ Month</b>	<b>KLD</b>	<b>Apr/24</b>	5040	168	<b>May/24</b>	6133	198	<b>Jun/24</b>	5546	185	<b>Jul/24</b>	5828	188	<b>Aug/24</b>	5920	191	<b>Sep/24</b>	6109	204	<b>Domestic Wastewater Generation</b>			<b>Month</b>	<b>Total</b>	<b>Avg</b>	<b>KL/ Month</b>	<b>KLD</b>	<b>Apr/24</b>	140.78	4.69	<b>May/24</b>	146.67	4.73	<b>Jun/24</b>	145.43	4.85	<b>Jul/24</b>	145.67	4.70	<b>Aug/24</b>	146.21	4.72	<b>Sep/24</b>	144.58	4.82
<b>Industrial Wastewater Generation</b>																																																						
<b>Month</b>	<b>Total</b>	<b>Avg</b>																																																				
	<b>KL/ Month</b>	<b>KLD</b>																																																				
<b>Apr/24</b>	5040	168																																																				
<b>May/24</b>	6133	198																																																				
<b>Jun/24</b>	5546	185																																																				
<b>Jul/24</b>	5828	188																																																				
<b>Aug/24</b>	5920	191																																																				
<b>Sep/24</b>	6109	204																																																				
<b>Domestic Wastewater Generation</b>																																																						
<b>Month</b>	<b>Total</b>	<b>Avg</b>																																																				
	<b>KL/ Month</b>	<b>KLD</b>																																																				
<b>Apr/24</b>	140.78	4.69																																																				
<b>May/24</b>	146.67	4.73																																																				
<b>Jun/24</b>	145.43	4.85																																																				
<b>Jul/24</b>	145.67	4.70																																																				
<b>Aug/24</b>	146.21	4.72																																																				
<b>Sep/24</b>	144.58	4.82																																																				

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

3	There shall be no effluent discharge and the unit shall strictly adhere to Zero Liquid Discharge status after proposed expansion. The unit shall get its underground connection disconnected before commencing the expanded production.	<p>Complied.</p> <p>Condition Amended as Environmental Clearance File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019 same is enclosed herewith as <b>Annexure-3</b>.</p> <p>The unit is strictly adhering to Zero Liquid Discharge with an operational RO, MEE and ATFD System.</p> <p>Underground disconnection certificate from GIDC is enclosed herewith as <b>Annexure-4</b>.</p>
4	The unit shall install RO system having capacity of 100 KL/Day for 20 hours operation for utility effluent as well as RO system having capacity of 110 KL/Day for 20 hours operation for treated effluent from the ETP	<p>Complied.</p> <p>Condition Amended as Environmental Clearance File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019.</p> <p>Unit has installed the RO Systems for Utility Effluent and treated effluent from ETP having a capacity of 700 KLD.</p>
5	The existing ETP shall be upgraded to treat the increased quantum of effluent after the proposed expansion.	<p>Complied.</p> <p>Condition Amended as Environmental Clearance File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019</p> <p>Unit has installed a combined ETP, RO, MEE, ATFD, SBT (soil biotechnology) to treat the effluent efficiently.</p>
6	Effluent shall be treated in the upgraded ETP consisting of the primary secondary & tertiary treatment facilities & treated effluent shall be fed to RO system for process effluent	<p>Complied.</p> <p>Condition Amended as Environmental Clearance File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019.</p> <p>Unit has primary, secondary and tertiary treatment facilities and treated effluent is fed to the RO system followed by MEE, ATFD.</p>
7	Permeate Water (62 KL/day) from RO plant for treated effluent shall be completely reused in cooling tower.	<p>Complied.</p> <p>Condition Amended as Environmental Clearance File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019.</p> <p>RO permeate water is fully reused in cooling towers. Summary added in Point No:7 of Environmental Clearance amendment File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019.</p>
8	Reject water of (34 KL/day) from RO plant for treated effluent as well as reject water (18 KL/day) from RO plant for utility effluent shall be completely evaporated with the help of on-site MEE	<p>Complied.</p> <p>This condition is amended in the Environmental Clearance amendment File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019.</p>

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

9	Condensate water from MEE (42 KL/day) shall be completely reused in cooling tower whereas concentrate/residue from MEE (10 KL/day) shall be sent to the Crystalizer/Incinerator	Complied.  This condition is amended in the Environmental Clearance amendment File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019.
10	The existing MEE (40 KL/day) shall be upgraded to increase capacity from 40 KL/day to 60 KL/day in order to achieve zero discharge	Complied.  This condition is amended in the Environmental Clearance amendment File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019.
11	The unit shall provide metering facility at the inlets and outlets of ETP and maintain the records of the same	Complied.  This condition is amended in the Environmental Clearance amendment File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019.
12	Proper Logbooks of ETP, RO plants & MEE operations and also showing daily chemical consumptions, power consumption, quantity & quality of effluent evaporated, quantity & quality of effluent reused etc. shall be maintained and furnished to the GPCB from time to time.	Complied.  This condition is amended in the Environmental Clearance amendment File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019.
13	Regular performance evaluation of the ETP, RO Plant & MEE shall be undertaken every year to check its adequacy, through credible institutes like IIT, NPC, L.D. College of Engineering, or such other institutes of similar repute, and its records shall be maintained.	Complied.  Unit is caring out Environmental Audit from Schedule 1 Auditor allotted by GPCB. Environment Audit for FY-2023-24 was conducted by <b>Shree Dhanvantary College of Engineering &amp; Technology, Environment Audit Laboratory, Kim, Surat</b> . Unit has complied the observations made by them and is maintaining the record of the same and is enclosed herewith as <b><u>Annexure-6</u></b> .  ETP adequacy has been evaluated by a reputed institute i.e. <b>Shree Dhanvantary College of Engineering &amp; Technology, Environment Audit Laboratory, Kim, Surat</b> along with other Environment Management systems & found adequate. Copy of the same is enclosed herewith as an <b><u>Annexure-7</u></b> .
14	The unit shall join and participate financially and	Complied.

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

	technically for any common environmental facility / infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.	Noted, Unit will join & participate.																																																																																																																					
<b>A.2</b>	<b>AIR:</b>																																																																																																																						
15.	There shall be no additional process vent due to the proposed expansion.	Complied. There is no additional process vent.																																																																																																																					
16.	Diesel shall be used as new D. G. Sets (3 no.) proposed to be installed for the expansion. The stack height of the DG Sets shall be equal to the height needed for the combined capacity of all proposed DG Sets.	Complied. Unit is using diesel as fuel in DG Sets. Adequate stack height of 11 m is provided. Unit is carrying out monthly environment monitoring by a MoEF&CC approved and NABL Accredited laboratory. Below are the results of the analysis and are well within the limits.  <table border="1"> <thead> <tr> <th>DG Name</th> <th colspan="3">DG-1</th> <th colspan="3">DG-2</th> <th colspan="3">DG-3</th> <th colspan="3">DG-4</th> </tr> <tr> <th>Parameters</th> <th>PM</th> <th>SO<sub>2</sub></th> <th>NOx</th> <th>PM</th> <th>SO<sub>2</sub></th> <th>NOx</th> <th>PM</th> <th>SO<sub>2</sub></th> <th>NOx</th> <th>PM</th> <th>SO<sub>2</sub></th> <th>NOx</th> </tr> </thead> <tbody> <tr> <td>CCA Limits</td> <td>150 mg/Nm3</td> <td>100 ppm</td> <td>50 ppm</td> </tr> <tr> <td>Apr/24</td> <td>72.6</td> <td>6.6</td> <td>38.4</td> <td>67.1</td> <td>5.2</td> <td>40.2</td> <td>74.2</td> <td>6.4</td> <td>41.8</td> <td>88.8</td> <td>6</td> <td>36.5</td> </tr> <tr> <td>May/24</td> <td>82.6</td> <td>7.9</td> <td>40.1</td> <td>71.9</td> <td>7.3</td> <td>36.9</td> <td>83.2</td> <td>5.2</td> <td>42.8</td> <td>72.6</td> <td>7.9</td> <td>39.1</td> </tr> <tr> <td>Jun/24</td> <td>69.4</td> <td>6.2</td> <td>37.2</td> <td>76.1</td> <td>5.8</td> <td>41.1</td> <td>74.2</td> <td>7.1</td> <td>39.7</td> <td>65.1</td> <td>6.4</td> <td>42.1</td> </tr> <tr> <td>Jul/24</td> <td>76.8</td> <td>5.8</td> <td>34.2</td> <td>71.5</td> <td>6.2</td> <td>38.6</td> <td>67.2</td> <td>5.6</td> <td>36.5</td> <td>82.6</td> <td>6.6</td> <td>38.6</td> </tr> <tr> <td>Aug/24</td> <td>82.2</td> <td>6.1</td> <td>36.5</td> <td>66.2</td> <td>5.9</td> <td>40.4</td> <td>76.3</td> <td>6.2</td> <td>37.2</td> <td>69.6</td> <td>5.3</td> <td>34.2</td> </tr> <tr> <td>Sep/24</td> <td>70.2</td> <td>5.8</td> <td>39.2</td> <td>69.6</td> <td>6.2</td> <td>41.6</td> <td>71.9</td> <td>6.6</td> <td>38.4</td> <td>76.2</td> <td>5.8</td> <td>31.7</td> </tr> </tbody> </table> Copy of the DG Stack analysis report of Sep'24 is being enclosed as <b>Annexure-8</b> for your reference.	DG Name	DG-1			DG-2			DG-3			DG-4			Parameters	PM	SO <sub>2</sub>	NOx	CCA Limits	150 mg/Nm3	100 ppm	50 ppm	150 mg/Nm3	100 ppm	50 ppm	150 mg/Nm3	100 ppm	50 ppm	150 mg/Nm3	100 ppm	50 ppm	Apr/24	72.6	6.6	38.4	67.1	5.2	40.2	74.2	6.4	41.8	88.8	6	36.5	May/24	82.6	7.9	40.1	71.9	7.3	36.9	83.2	5.2	42.8	72.6	7.9	39.1	Jun/24	69.4	6.2	37.2	76.1	5.8	41.1	74.2	7.1	39.7	65.1	6.4	42.1	Jul/24	76.8	5.8	34.2	71.5	6.2	38.6	67.2	5.6	36.5	82.6	6.6	38.6	Aug/24	82.2	6.1	36.5	66.2	5.9	40.4	76.3	6.2	37.2	69.6	5.3	34.2	Sep/24	70.2	5.8	39.2	69.6	6.2	41.6	71.9	6.6	38.4	76.2	5.8	31.7									
DG Name	DG-1			DG-2			DG-3			DG-4																																																																																																													
Parameters	PM	SO <sub>2</sub>	NOx	PM	SO <sub>2</sub>	NOx	PM	SO <sub>2</sub>	NOx	PM	SO <sub>2</sub>	NOx																																																																																																											
CCA Limits	150 mg/Nm3	100 ppm	50 ppm	150 mg/Nm3	100 ppm	50 ppm	150 mg/Nm3	100 ppm	50 ppm	150 mg/Nm3	100 ppm	50 ppm																																																																																																											
Apr/24	72.6	6.6	38.4	67.1	5.2	40.2	74.2	6.4	41.8	88.8	6	36.5																																																																																																											
May/24	82.6	7.9	40.1	71.9	7.3	36.9	83.2	5.2	42.8	72.6	7.9	39.1																																																																																																											
Jun/24	69.4	6.2	37.2	76.1	5.8	41.1	74.2	7.1	39.7	65.1	6.4	42.1																																																																																																											
Jul/24	76.8	5.8	34.2	71.5	6.2	38.6	67.2	5.6	36.5	82.6	6.6	38.6																																																																																																											
Aug/24	82.2	6.1	36.5	66.2	5.9	40.4	76.3	6.2	37.2	69.6	5.3	34.2																																																																																																											
Sep/24	70.2	5.8	39.2	69.6	6.2	41.6	71.9	6.6	38.4	76.2	5.8	31.7																																																																																																											
17.	Coal / lignite to the tune of 1 MT/Hour shall be used as fuel in the new Thermo-pack and adequate stack height as per prevailing norms shall be provided.	Complied. Unit has provided an adequate height of 30m to the thermopack stack as per norms. Thermopack is not in operation as there is no requirement in process.																																																																																																																					

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

18.	Bag filter shall be provided as an Air Pollution Control System for the new Thermo-pack and it shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlets.	<p>Complied.</p> <p>Bag filter is provided as an Air Pollution Control System for the Thermo-pack. Thermopack is not in operation as there is no requirement in process.</p>																
19.	Online monitoring system shall also be installed on Thermo-pack stack to monitor the pollutant concentrations. An arrangement shall also be made for reflecting the online monitoring results on the company's server, which can be accessed by the GPCB on real time basis	<p>Complied.</p> <p>Online Continuous Monitoring has been installed on the Thermopack Stack to monitor SPM. The same has been connected to the company's SCADA system and daily reports have been generated and circulated to concerned persons.</p> <p>Thermopack is not in operation as there is no requirement in process.</p>																
20.	The unit shall undertake measures for solvent recovery and adequate reflux condensers shall be provided for controlling escape of low boiling solvents. Solvent recovery shall not be less than 95 percent in any case.	<p>Complied.</p> <p>Adequate reflux condensers with chilled water circulation has been provided and recovery of solvent is more than 95 %. Solvent recovery in the unit is tabulated below:</p> <table border="1" data-bbox="826 1050 1320 1539"> <thead> <tr> <th>Month</th> <th>Methanol Recovery %</th> </tr> </thead> <tbody> <tr> <td>Apr/24</td> <td>97.8%</td> </tr> <tr> <td>May/24</td> <td>96.7%</td> </tr> <tr> <td>Jun/24</td> <td>96.6%</td> </tr> <tr> <td>Jul/24</td> <td>97.5%</td> </tr> <tr> <td>Aug/24</td> <td>97.7%</td> </tr> <tr> <td>Sep/24</td> <td>97.9%</td> </tr> <tr> <td>Avg</td> <td>97.36%</td> </tr> </tbody> </table> <p>Solvent recoveries are &gt;95%.</p>	Month	Methanol Recovery %	Apr/24	97.8%	May/24	96.7%	Jun/24	96.6%	Jul/24	97.5%	Aug/24	97.7%	Sep/24	97.9%	Avg	97.36%
Month	Methanol Recovery %																	
Apr/24	97.8%																	
May/24	96.7%																	
Jun/24	96.6%																	
Jul/24	97.5%																	
Aug/24	97.7%																	
Sep/24	97.9%																	
Avg	97.36%																	
21.	Measures shall be taken to reduce the process vapour emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have a vapour recovery system.	<p>Complied.</p> <p>For reduction of vapor emission, solvents are stored in an underground storage tank with a breather valve and flame arrester. All venting equipment is connected to the vapor recovery system.</p>																

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

22.	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission:	Complied. Unit is monitoring the fugitive emission in the work zone as per the prescribed standards. Unit is maintaining Form 37, prescribed under Rule 12-B. Register containing particulars of monitoring of the working environment required under Section 7 - A (2) (e) is herewith enclosed as <b><u>Annexure-9</u></b> .
a.	All handling & transport of coal / lignite shall be exercised through covered coal conveyors only.	Complied. Unit has installed a covered conveyor belt for coal handling. Photograph of the same is shown below: 
b.	Enclosure shall be provided at coal / lignite loading and unloading operations.	Complied. Enclosure is provided at coal loading and unloading operations & photograph of the same is enclosed in condition no: 22(a).
c.	Water shall be sprinkled on coal / lignite stock piles periodically to retain some moisture in the top layer and also while compacting to reduce the fugitive emission.	Complied. Water sprinklers are provided to suppress the dust in the coal and ash handling area to reduce the fugitive emission. Photograph of the same in working condition is shown below:

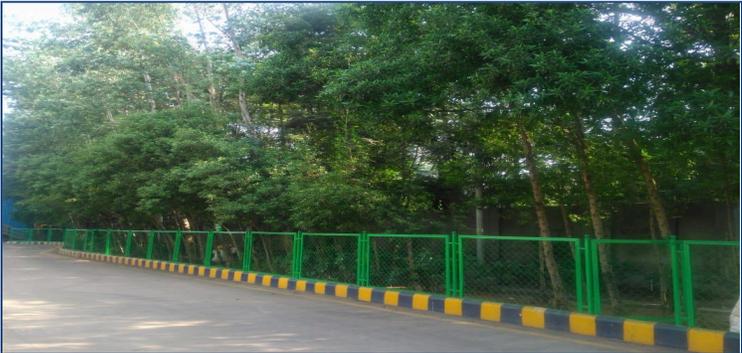
**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

		
d.	All transfer points shall be fully enclosed.	<p>Complied.</p> <p>All ash handling &amp; coal handling areas are fully covered under the shed. Refer photographs enclosed in condition no.22 (a)</p>
e.	Adequate dust suppression/extraction system at crusher house as well as for the coal stock yard shall be provided to abate dust nuisance	<p>Complied.</p> <p>Water Sprinklers are provided to suppress the dust. Refer photographs enclosed in condition no.22 (c)</p>
f.	Accumulated dust on the ground and other surfaces shall be removed / swept regularly and water the area after sweeping.	<p>Complied.</p> <p>The unit is continuously sweeping by using the sweeping machine in the area in order to remove the accumulated dust.</p> 
g.	Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive	<p>Complied.</p> <p>All the internal roads are concreted &amp; asphalted.</p>

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

	<p>emission during vehicular movement.</p>	
<p>h.</p>	<p>Air borne coal dust shall be controlled with water sprinklers at suitable locations in the plant.</p>	<p>Complied. Water sprinklers are provided to control the coal dust. Refer photographs enclosed in condition no.22 (c)</p>
<p>i</p>	<p>Coal / lignite shall be transported through covered trucks only whereas fly ash shall be transported through closed trucks only.</p>	<p>Complied. All the coal /Fly ash transported through closed trucks only.</p>
<p>j</p>	<p>A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive &amp; transport dust emission.</p>	<p>Complied. Green belt area is developed along the boundary wall to mitigate fugitive and transport dust emission.</p> 
<p>23.</p>	<p>Regular performance evaluation of the air pollution control systems shall be undertaken every year to check its adequacy, through credible institutes like IIT, NPC, L.D.</p>	<p>Complied. Unit is caring out Environmental Audit from Schedule 1 Auditor allotted by GPCB. Environment Audit for FY-2023-24 was conducted by <b>Shree Dhanvantary College of Engineering &amp; Technology, Environment Audit Laboratory, Kim, Surat</b>. Unit has</p>

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

	<p>College of Engineering or other such other institutes of similar repute, and its records shall be maintained.</p>	<p>complied the observations made by them and is maintaining the record of the same and is enclosed herewith as <b>Annexure-6</b>.</p> <p>ETP adequacy has been evaluated by a reputed institute i.e. <b>Shree Dhanvantary College of Engineering &amp; Technology, Environment Audit Laboratory, Kim, Surat</b> along with other Environment Management systems &amp; found adequate. Copy of the same is enclosed herewith as an <b>Annexure-7</b>.</p>																																																																				
<p>24.</p>	<p>Regular monitoring of ground level concentration of HCl, SO<sub>2</sub>, NO<sub>x</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by Gujarat Pollution Control Board. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with GPCB.</p>	<p>Complied.</p> <p>Unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by a MoEF&amp;CC approved and NABL Accredited laboratory</p> <p>The monitoring of SO<sub>2</sub>, NO<sub>x</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> is carried out for 24 hours (4-hourly sampling for gaseous pollutants and 8-hourly sampling for particulate matter) with a frequency of twice a week at 3 specific locations, to have 104 observations in a year. The results of the analysis are provided in the following table. Ambient Air Monitoring Report of Sep'24 is enclosed herewith as <b>Annexure-10</b>, for reference. All values are well within the limits.</p> <table border="1" data-bbox="673 1087 1474 1575"> <thead> <tr> <th colspan="5">Near Main Gate</th> </tr> <tr> <th rowspan="2">Month</th> <th>PM10</th> <th>PM2.5</th> <th>SO<sub>2</sub></th> <th>NO<sub>x</sub></th> </tr> <tr> <th>100 µg/m<sup>3</sup></th> <th>60 µg/m<sup>3</sup></th> <th>80 µg/m<sup>3</sup></th> <th>80 µg/m<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td><b>Apr/24</b></td> <td>79.34</td> <td>35.2</td> <td>21.82</td> <td>25.07</td> </tr> <tr> <td><b>May/24</b></td> <td>83.19</td> <td>35.82</td> <td>22.12</td> <td>25.08</td> </tr> <tr> <td><b>Jun/24</b></td> <td>86</td> <td>35.2</td> <td>20.76</td> <td>23.44</td> </tr> <tr> <td><b>Jul/24</b></td> <td>84.4</td> <td>27.5</td> <td>18.94</td> <td>21.54</td> </tr> <tr> <td><b>Aug/24</b></td> <td>78.5</td> <td>26.4</td> <td>16.4</td> <td>19.2</td> </tr> <tr> <td><b>Sep/24</b></td> <td>82.2</td> <td>30.4</td> <td>19.35</td> <td>22.075</td> </tr> </tbody> </table> <table border="1" data-bbox="673 1617 1474 1881"> <thead> <tr> <th colspan="5">Near Emergency Gate</th> </tr> <tr> <th rowspan="2">Month</th> <th>PM10</th> <th>PM2.5</th> <th>SO<sub>2</sub></th> <th>NO<sub>x</sub></th> </tr> <tr> <th>100 µg/m<sup>3</sup></th> <th>60 µg/m<sup>3</sup></th> <th>80 µg/m<sup>3</sup></th> <th>80 µg/m<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td><b>Apr/24</b></td> <td>86.54</td> <td>36.02</td> <td>19.48</td> <td>22.32</td> </tr> <tr> <td><b>May/24</b></td> <td>83.33</td> <td>35.3</td> <td>21.1</td> <td>24.42</td> </tr> </tbody> </table>	Near Main Gate					Month	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	100 µg/m <sup>3</sup>	60 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	<b>Apr/24</b>	79.34	35.2	21.82	25.07	<b>May/24</b>	83.19	35.82	22.12	25.08	<b>Jun/24</b>	86	35.2	20.76	23.44	<b>Jul/24</b>	84.4	27.5	18.94	21.54	<b>Aug/24</b>	78.5	26.4	16.4	19.2	<b>Sep/24</b>	82.2	30.4	19.35	22.075	Near Emergency Gate					Month	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	100 µg/m <sup>3</sup>	60 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	<b>Apr/24</b>	86.54	36.02	19.48	22.32	<b>May/24</b>	83.33	35.3	21.1	24.42
Near Main Gate																																																																						
Month	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>																																																																		
	100 µg/m <sup>3</sup>	60 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>																																																																		
<b>Apr/24</b>	79.34	35.2	21.82	25.07																																																																		
<b>May/24</b>	83.19	35.82	22.12	25.08																																																																		
<b>Jun/24</b>	86	35.2	20.76	23.44																																																																		
<b>Jul/24</b>	84.4	27.5	18.94	21.54																																																																		
<b>Aug/24</b>	78.5	26.4	16.4	19.2																																																																		
<b>Sep/24</b>	82.2	30.4	19.35	22.075																																																																		
Near Emergency Gate																																																																						
Month	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>																																																																		
	100 µg/m <sup>3</sup>	60 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>																																																																		
<b>Apr/24</b>	86.54	36.02	19.48	22.32																																																																		
<b>May/24</b>	83.33	35.3	21.1	24.42																																																																		

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

		<table border="1"> <tbody> <tr> <td><b>Jun/24</b></td> <td>80.9</td> <td>35.1</td> <td>19.91</td> <td>22.19</td> </tr> <tr> <td><b>Jul/24</b></td> <td>81.2</td> <td>27.7</td> <td>19.9</td> <td>22.45</td> </tr> <tr> <td><b>Aug/24</b></td> <td>75.7</td> <td>25.4</td> <td>18.3</td> <td>20.8</td> </tr> <tr> <td><b>Sep/24</b></td> <td>84.5</td> <td>33.5</td> <td>20.4</td> <td>23.81</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="5">Near ETP Expansion Area</th> </tr> <tr> <th rowspan="2">Month</th> <th>PM10</th> <th>PM2.5</th> <th>SO<sub>2</sub></th> <th>NO<sub>x</sub></th> </tr> <tr> <th>100 µg/m<sup>3</sup></th> <th>60 µg/m<sup>3</sup></th> <th>80 µg/m<sup>3</sup></th> <th>80 µg/m<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td><b>Apr/24</b></td> <td>84.68</td> <td>34.89</td> <td>20.16</td> <td>23.76</td> </tr> <tr> <td><b>May/24</b></td> <td>84.03</td> <td>35.69</td> <td>20.78</td> <td>24.13</td> </tr> <tr> <td><b>Jun/24</b></td> <td>81.2</td> <td>36.6</td> <td>19.92</td> <td>22.61</td> </tr> <tr> <td><b>Jul/24</b></td> <td>86</td> <td>28.7</td> <td>21.2</td> <td>23.94</td> </tr> <tr> <td><b>Aug/24</b></td> <td>75.5</td> <td>24</td> <td>18.1</td> <td>20.3</td> </tr> <tr> <td><b>Sep/24</b></td> <td>85.7</td> <td>33.7</td> <td>19.56</td> <td>22.45</td> </tr> </tbody> </table>	<b>Jun/24</b>	80.9	35.1	19.91	22.19	<b>Jul/24</b>	81.2	27.7	19.9	22.45	<b>Aug/24</b>	75.7	25.4	18.3	20.8	<b>Sep/24</b>	84.5	33.5	20.4	23.81	Near ETP Expansion Area					Month	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	100 µg/m <sup>3</sup>	60 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	<b>Apr/24</b>	84.68	34.89	20.16	23.76	<b>May/24</b>	84.03	35.69	20.78	24.13	<b>Jun/24</b>	81.2	36.6	19.92	22.61	<b>Jul/24</b>	86	28.7	21.2	23.94	<b>Aug/24</b>	75.5	24	18.1	20.3	<b>Sep/24</b>	85.7	33.7	19.56	22.45
<b>Jun/24</b>	80.9	35.1	19.91	22.19																																																														
<b>Jul/24</b>	81.2	27.7	19.9	22.45																																																														
<b>Aug/24</b>	75.7	25.4	18.3	20.8																																																														
<b>Sep/24</b>	84.5	33.5	20.4	23.81																																																														
Near ETP Expansion Area																																																																		
Month	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>																																																														
	100 µg/m <sup>3</sup>	60 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>																																																														
<b>Apr/24</b>	84.68	34.89	20.16	23.76																																																														
<b>May/24</b>	84.03	35.69	20.78	24.13																																																														
<b>Jun/24</b>	81.2	36.6	19.92	22.61																																																														
<b>Jul/24</b>	86	28.7	21.2	23.94																																																														
<b>Aug/24</b>	75.5	24	18.1	20.3																																																														
<b>Sep/24</b>	85.7	33.7	19.56	22.45																																																														
<b>A.3</b>	<b>HAZARDOUS / SOLID WASTE :</b>																																																																	
25.	The company must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	<p>Complied.</p> <p>The unit is strictly complying with regulatory norms in handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2016 and amendments thereof. The copies of authorization,CCCA No. AWH- 119699 dated 29/06/2022, CCA Amendment No. H-119700 dated 09/09/2022 valid upto 07/06/2029 and same is enclosed herewith as <b><u>Annexure-1</u></b>.</p>																																																																
26.	The hazardous wastes shall be stored in a separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	<p>Complied.</p> <p>All the hazardous wastes are stored in the designated storage area with a pucca bottom and proper leachate collection facility.</p>																																																																

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

27.	The unit shall dispose its ETP sludge, evaporation salt and incineration ash at the nearest common TSDF.	Complied.  The unit is disposing of ETP sludge, evaporation salt to the common TSDF site. Membership certificate for TSDF is enclosed as <b><u>Annexure-12A.</u></b>														
28.	Organic residue and spent carbon shall be disposed by incineration in the on-site hazardous waste incinerator or the nearest common hazardous waste incineration facility.	Complied.  Organic residue is being disposed of in the common Hazardous waste incineration facility. Membership certificate for incineration facility is enclosed as <b><u>Annexure-12B.</u></b>														
29.	Entire quantity of spent sulfuric acid shall be sent to the SSP Plant of the company to be set up in Jhagadia estate once it is commissioned. Until commissioning of the SSP Plant at Jhagadia, an entire quantity of spent sulphuric acid shall be sent to their SSP manufacturing unit at Vapi. The spent acid shall be transported only by dedicated tankers equipped with GPS and registered with the GPCB for the purpose.	Complied.  Unit is sending Spent Sulphuric Acid to the SSP manufacturing unit located in Vapi along with other industries having permission under Rule 9 of Hazardous Waste Rules, 2016 with proper MoU, online manifest generated through GPCB XGN portal & sent in dedicated tankers equipped with AIS-140 GPS. Disposal quantity in MT from Apr'24 to Sep'24 is tabulated below:  <table border="1" data-bbox="792 926 1354 1346"> <thead> <tr> <th>Month</th> <th>Disposed Quantity (MT)</th> </tr> </thead> <tbody> <tr> <td>Apr/24</td> <td>4073.020</td> </tr> <tr> <td>May/24</td> <td>4423.230</td> </tr> <tr> <td>Jun/24</td> <td>3190.871</td> </tr> <tr> <td>Jul/24</td> <td>2977.591</td> </tr> <tr> <td>Aug/24</td> <td>4964.900</td> </tr> <tr> <td>Sep/24</td> <td>5354.550</td> </tr> </tbody> </table>	Month	Disposed Quantity (MT)	Apr/24	4073.020	May/24	4423.230	Jun/24	3190.871	Jul/24	2977.591	Aug/24	4964.900	Sep/24	5354.550
Month	Disposed Quantity (MT)															
Apr/24	4073.020															
May/24	4423.230															
Jun/24	3190.871															
Jul/24	2977.591															
Aug/24	4964.900															
Sep/24	5354.550															
30.	Discarded containers / barrels / bags / liners shall be either reused or sold only to the authorized recyclers after decontamination.	Complied.  Discarded Containers/Barrels are sold to Authorized recycler & non recyclable liner bags are disposed of to Secured landfill. Waste is sent by Manifest System through Dedicated Hazardous waste vehicle with GPS system. Disposal quantity in MT from Apr'24 to Sep'24 is tabulated below:  <table border="1" data-bbox="808 1633 1338 1845"> <thead> <tr> <th>Month</th> <th>Disposed Quantity (MT)</th> </tr> </thead> <tbody> <tr> <td>Apr/24</td> <td>15.420</td> </tr> <tr> <td>May/24</td> <td>27.750</td> </tr> <tr> <td>Jun/24</td> <td>13.300</td> </tr> </tbody> </table>	Month	Disposed Quantity (MT)	Apr/24	15.420	May/24	27.750	Jun/24	13.300						
Month	Disposed Quantity (MT)															
Apr/24	15.420															
May/24	27.750															
Jun/24	13.300															

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

		<table border="1"> <tr> <td><b>Jul/24</b></td> <td>2.950</td> </tr> <tr> <td><b>Aug/24</b></td> <td>18.470</td> </tr> <tr> <td><b>Sep/24</b></td> <td>0.960</td> </tr> </table>		<b>Jul/24</b>	2.950	<b>Aug/24</b>	18.470	<b>Sep/24</b>	0.960														
<b>Jul/24</b>	2.950																						
<b>Aug/24</b>	18.470																						
<b>Sep/24</b>	0.960																						
31.	Used oil shall be either reused as lubricant or sold only to the registered recyclers.	Complied. Used oil is sold to registered recyclers. Waste is sent through online manifest generated through GPCB XGN.																					
<b>A.4</b>	<b>SAFETY</b>																						
32.	The project management shall strictly comply with the provisions made in the Factories Act, 1948 as well as Manufacture, Storage and Impact of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals.	Complied.  The company is strictly complying with the rules and regulations under Manufacture, Storage and Impact of Hazardous Chemicals Rules, 1989 as amended.																					
33.	Necessary approvals from PESO and concerned Govt. Authorities shall be obtained before commissioning of the project.	Complied.  Unit has obtained an approval from PESO License No: P/HQ/GJ/15/2034 (P12353) dated 18/02/2020 duly renewed upto 31/12/2023 and is enclosed herewith as <b>Annexure-13</b> , for reference.																					
34.	All the risk mitigation measures and recommendations mentioned in Risk Assessment & Disaster Management Plan chapter of the EIA Report shall be implemented.	Complied.  Unit has implemented all the mitigation and recommendations mentioned in the EIA report. Compliance report of the Risk assessment carried out during the EIA process considering various probable emergency scenarios is enclosed as <b>Annexure-18</b> .																					
35.	A well designed fire hydrant system shall be installed as per the prevailing standards.	Complied. Unit has installed an adequate fire hydrant system as per requirement and standard. Fire pump list and capacity is summarized below:  <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Capacity (HP)</th> <th>RPM</th> <th>MAKE</th> <th>Flow Rate (m3/Hr)</th> <th>HEAD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Jocky Pump 1</td> <td>7.5</td> <td>2900</td> <td>KSB</td> <td>10</td> <td>75</td> </tr> <tr> <td>2</td> <td>Jocky Pump 2</td> <td>7.5</td> <td>2900</td> <td>KSB</td> <td>10</td> <td>63</td> </tr> </tbody> </table>	Sr. No.	Description	Capacity (HP)	RPM	MAKE	Flow Rate (m3/Hr)	HEAD	1	Jocky Pump 1	7.5	2900	KSB	10	75	2	Jocky Pump 2	7.5	2900	KSB	10	63
Sr. No.	Description	Capacity (HP)	RPM	MAKE	Flow Rate (m3/Hr)	HEAD																	
1	Jocky Pump 1	7.5	2900	KSB	10	75																	
2	Jocky Pump 2	7.5	2900	KSB	10	63																	

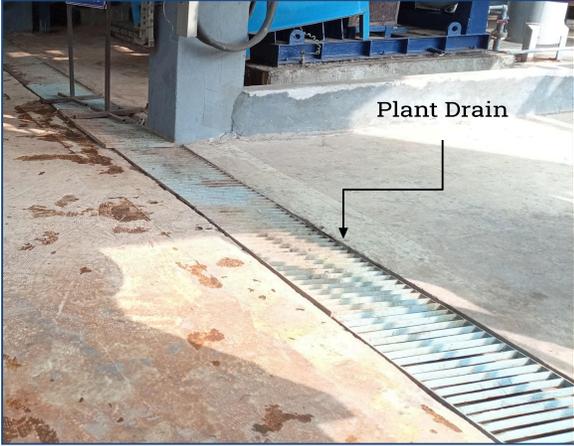
**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

		3	Main Pump 1	50	2900	KSB	100	70
		4	Main Pump A	150	1485	KSB	273	88
		5	Main Pump B	150	1485	KSB	273	88
		6	Diesel Pump	132	1800	Greaves	273	70
		7	Diesel tank capacity of DG Pump	200 L				
		8	Fire Water Reservior Capacity	650 KL				
36.	Necessary flameproof fittings shall be provided in the production plants.	Complied. Necessary flameproof fittings are provided in production plants as per the hazardous area classification. Unit has carried out Hazardous area classification through an external competent agency i.e Vision Power Facts, Mumbai. Cover page of the same is enclosed as an <b>Annexure-18</b> .						
37.	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.	Complied. All measures have been taken to avoid accidents.  Use of appropriate PPEs is being done wherever applicable during storage and handling of toxic / hazardous chemicals.						
38.	Storage and use of hazardous chemicals shall be minimized to the extent possible and all necessary precautions shall be taken to mitigate the risk generated out of it. Storage of hazardous chemicals shall be in multiple small capacity tanks /containers instead of one single large capacity tank for safety purpose.	Complied.  Storage and use of hazardous chemicals has been minimized to the extent possible and all necessary precautions are being taken to mitigate the risk generated out of storage and usage of hazardous chemicals. Unit has ensured multiple storage with adequate tank capacity.						
39.	During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic waste water or storm water.	Complied.  Unit has provided mechanical seal pumps and closed loop system to transfer the materials to avoid spillages. Plant drain is shown in the figure below:						

Environmental Clearance Compliance Report - April 2024 to September 2024

EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013

		 <p>Storm water drain inside the plant premises is shown in the figure below:</p> 
40.	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals. Close handling system for chemicals shall be provided	Complied. <ul style="list-style-type: none"><li>• Dyke walls have been provided for all storage tanks.</li><li>• Closed loops systems to transfer the materials to avoid leakage/ spillage.</li><li>• Level transmitter/Level gauge provided to hazardous chemical storage tanks to avoid overflow.</li><li>• Breather valve/safety valve/flame arrestor provided to hazardous chemical storage tanks as appropriate.</li><li>• Close monitoring through the DCS panel.</li><li>• Maximum allowable storage level is 80% of total capacity.</li><li>• Hazardous chemical storage areas are fenced properly to avoid unauthorized entry.</li></ul>

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

41.	Tie up shall be done with nearby health care unit for seeking immediate medical attention in the case of emergency, regular medical checkup of the workers and keeping its record etc.	Complied.  Unit has a well equipped Occupational Health Center (OHC) functioning under qualified FMO & nurses. Unit has also tied-up with nearby health care unit Jayaben Modi Hospital, 32 Kms away.																																				
42.	Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised	Complied. Sufficient PPE like Helmet, Goggles, Safety Belt, Ear Plug, PVC Apron, Dust Mask, Rubber Gloves etc has been provided to all the workers and necessary care is taken to assure strict usage of PPEs.																																				
43.	First Aid Box and required antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied. First Aid Box and required antidotes for the chemicals used in the unit are provided at a readily available place and in adequate quantity. List of prominent locations in plant where First Aid Boxes are kept are tabulated below:  <table border="1" data-bbox="764 848 1382 1860"> <thead> <tr> <th data-bbox="764 848 834 940">Sr. No:</th> <th data-bbox="834 848 1382 940">Plant</th> </tr> </thead> <tbody> <tr><td data-bbox="764 940 834 995">1</td><td data-bbox="834 940 1382 995">New H2 plant</td></tr> <tr><td data-bbox="764 995 834 1050">2</td><td data-bbox="834 995 1382 1050">Electrical</td></tr> <tr><td data-bbox="764 1050 834 1104">3</td><td data-bbox="834 1050 1382 1104">New H2 Godown</td></tr> <tr><td data-bbox="764 1104 834 1159">4</td><td data-bbox="834 1104 1382 1159">New Inst. room</td></tr> <tr><td data-bbox="764 1159 834 1213">5</td><td data-bbox="834 1159 1382 1213">New H2 Cont. room</td></tr> <tr><td data-bbox="764 1213 834 1268">6</td><td data-bbox="834 1213 1382 1268">Maintenance</td></tr> <tr><td data-bbox="764 1268 834 1323">7</td><td data-bbox="834 1268 1382 1323">ETP MCC Room</td></tr> <tr><td data-bbox="764 1323 834 1377">8</td><td data-bbox="834 1323 1382 1377">Fire station</td></tr> <tr><td data-bbox="764 1377 834 1432">9</td><td data-bbox="834 1377 1382 1432">DCNB Porta Cabin</td></tr> <tr><td data-bbox="764 1432 834 1486">10</td><td data-bbox="834 1432 1382 1486">Canteen</td></tr> <tr><td data-bbox="764 1486 834 1541">11</td><td data-bbox="834 1486 1382 1541">Boiler (CN4)</td></tr> <tr><td data-bbox="764 1541 834 1596">12</td><td data-bbox="834 1541 1382 1596">RO Plant</td></tr> <tr><td data-bbox="764 1596 834 1650">13</td><td data-bbox="834 1596 1382 1650">New ETP</td></tr> <tr><td data-bbox="764 1650 834 1705">14</td><td data-bbox="834 1650 1382 1705">ETP</td></tr> <tr><td data-bbox="764 1705 834 1759">15</td><td data-bbox="834 1705 1382 1759">CN 4,5</td></tr> <tr><td data-bbox="764 1759 834 1814">16</td><td data-bbox="834 1759 1382 1814">DCS</td></tr> <tr><td data-bbox="764 1814 834 1860">17</td><td data-bbox="834 1814 1382 1860">VIP Gate</td></tr> </tbody> </table>	Sr. No:	Plant	1	New H2 plant	2	Electrical	3	New H2 Godown	4	New Inst. room	5	New H2 Cont. room	6	Maintenance	7	ETP MCC Room	8	Fire station	9	DCNB Porta Cabin	10	Canteen	11	Boiler (CN4)	12	RO Plant	13	New ETP	14	ETP	15	CN 4,5	16	DCS	17	VIP Gate
Sr. No:	Plant																																					
1	New H2 plant																																					
2	Electrical																																					
3	New H2 Godown																																					
4	New Inst. room																																					
5	New H2 Cont. room																																					
6	Maintenance																																					
7	ETP MCC Room																																					
8	Fire station																																					
9	DCNB Porta Cabin																																					
10	Canteen																																					
11	Boiler (CN4)																																					
12	RO Plant																																					
13	New ETP																																					
14	ETP																																					
15	CN 4,5																																					
16	DCS																																					
17	VIP Gate																																					

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

		<table border="1"> <tr><td>18</td><td>Admin 1</td></tr> <tr><td>19</td><td>Admin 2</td></tr> <tr><td>20</td><td>Inside Lab</td></tr> <tr><td>21</td><td>Dispatch</td></tr> <tr><td>22</td><td>Power Plant 1</td></tr> <tr><td>23</td><td>Power Plant 2</td></tr> </table>	18	Admin 1	19	Admin 2	20	Inside Lab	21	Dispatch	22	Power Plant 1	23	Power Plant 2
18	Admin 1													
19	Admin 2													
20	Inside Lab													
21	Dispatch													
22	Power Plant 1													
23	Power Plant 2													
44.	<p>Training shall be imparted to all the workers on safety and health aspects of chemicals handling.</p>	<p>Complied.</p> <p>Regular training is conducted to all the workers on safety and health aspects of Chemical handling and details of the same for the duration of Apr'24 to Sep'24 is tabulated below:</p> <table border="1"> <thead> <tr> <th>Training Topic</th> <th>No of participants</th> </tr> </thead> <tbody> <tr> <td>Environment/ Sustainability</td> <td align="center">834</td> </tr> <tr> <td>Safety Training (Work permit, Induction, Workplace safety etc)</td> <td align="center">159</td> </tr> </tbody> </table>	Training Topic	No of participants	Environment/ Sustainability	834	Safety Training (Work permit, Induction, Workplace safety etc)	159						
Training Topic	No of participants													
Environment/ Sustainability	834													
Safety Training (Work permit, Induction, Workplace safety etc)	159													
45.	<p>Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act &amp; Rules.</p>	<p>Complied.</p> <p>Occupational Health Center maintains the records of pre-employment and periodical medical examinations for all the workers, as per the Factories Act &amp; Rules. Duly filled &amp; signed copy of Form-32 &amp; 33 as prescribed in Gujarat Factory Rules are enclosed as an <b><u>Annexure-19</u></b></p> <p>Following check up has been carried out in periodical medical checkup.</p> <ol style="list-style-type: none"> <li>1. General checkup (height, weight, pulse, BP etc)</li> <li>2. Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count etc)</li> <li>3. Urine test (physical, chemical and microbial examination etc)</li> <li>4. Vision test</li> <li>5. Audiometric test</li> <li>6. Pulmonary function test, etc.</li> </ol> <p>Details of health surveillance of the workers is given below:</p> <table border="1"> <thead> <tr> <th colspan="2">Occupational Health Surveillance</th> </tr> <tr> <th>Month</th> <th>Total No. of Workers</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Occupational Health Surveillance		Month	Total No. of Workers								
Occupational Health Surveillance														
Month	Total No. of Workers													

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

		<table border="1"> <tr> <td><b>April 24</b></td> <td align="center">1487 (Employee) + 555 (Contract)</td> </tr> </table>	<b>April 24</b>	1487 (Employee) + 555 (Contract)																																																																																																																														
<b>April 24</b>	1487 (Employee) + 555 (Contract)																																																																																																																																	
46.	Handling and charging of the chemicals shall be done in such a manner that minimal human exposure occurs.	Complied. Unit is operating under the DCS system. Unit strictly follows all the standards set by considering utmost safety for handling and pumping or vacuum transfer of chemicals for reduction of human exposure.																																																																																																																																
47.	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Complied. Unit is following the same. Transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act & Rules.																																																																																																																																
<b>A.5</b>	<b>NOISE</b>																																																																																																																																	
48.	The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures, vibration dampers etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.	<p>Complied.</p> <p>All the DG are provided with acoustic enclosures. Ambient Noise level monitoring has been done monthly by MoEF&amp;CC approved &amp; NABL Accredited laboratory. The report of Apr'24 is enclosed herewith as <b>Annexure-21</b> for your reference. Details of the noise levels dB (A) at various locations are tabulated below:</p> <table border="1"> <thead> <tr> <th colspan="7">Ambient Noise level monitoring (in dB (A))</th> </tr> <tr> <th colspan="2">Location</th> <th>Apr/24</th> <th>May/24</th> <th>Jun/24</th> <th>Jul/24</th> <th>Aug/24</th> <th>Sep/24</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Near VIP Gate</td> <td>Day</td> <td>63.6</td> <td>63.4</td> <td>63.9</td> <td>63</td> <td>63.6</td> <td>63.5</td> </tr> <tr> <td>Night</td> <td>61.0</td> <td>60.6</td> <td>60.9</td> <td>60.7</td> <td>61.3</td> <td>60.8</td> </tr> <tr> <td rowspan="2">Near Material Gate</td> <td>Day</td> <td>66.6</td> <td>65.9</td> <td>66.5</td> <td>65.8</td> <td>66.3</td> <td>65.9</td> </tr> <tr> <td>Night</td> <td>59.1</td> <td>58.5</td> <td>58.7</td> <td>58.6</td> <td>58.8</td> <td>58.5</td> </tr> <tr> <td rowspan="2">Near CN 123 NOx Scrubber Area</td> <td>Day</td> <td>71.0</td> <td>70.8</td> <td>70.9</td> <td>70.7</td> <td>71.2</td> <td>70.5</td> </tr> <tr> <td>Night</td> <td>65.9</td> <td>65.7</td> <td>66.1</td> <td>65.5</td> <td>66.2</td> <td>65.3</td> </tr> <tr> <td rowspan="2">Near U/G Benzene Storage Area</td> <td>Day</td> <td>67.2</td> <td>66.4</td> <td>67.4</td> <td>66.7</td> <td>67.3</td> <td>66.7</td> </tr> <tr> <td>Night</td> <td>62.3</td> <td>62.0</td> <td>62.1</td> <td>62.0</td> <td>62.3</td> <td>61.9</td> </tr> <tr> <td rowspan="2">Near Gate No. 2</td> <td>Day</td> <td>71.2</td> <td>71.1</td> <td>71.4</td> <td>70.9</td> <td>71.2</td> <td>70.7</td> </tr> <tr> <td>Night</td> <td>66.2</td> <td>65.4</td> <td>66.1</td> <td>65.8</td> <td>66.3</td> <td>65.5</td> </tr> <tr> <td rowspan="2">Near 30 TPH Boiler Area</td> <td>Day</td> <td>68.8</td> <td>68.4</td> <td>68.7</td> <td>68.1</td> <td>68.8</td> <td>68.2</td> </tr> <tr> <td>Night</td> <td>64.3</td> <td>64.1</td> <td>64.2</td> <td>63.9</td> <td>64.4</td> <td>64.1</td> </tr> <tr> <td rowspan="2">Near Acid Tank Loading/Unloading Area</td> <td>Day</td> <td>70.4</td> <td>69.9</td> <td>70.5</td> <td>70.0</td> <td>70.4</td> <td>69.7</td> </tr> <tr> <td>Night</td> <td>65.3</td> <td>65.0</td> <td>65.1</td> <td>64.8</td> <td>65.1</td> <td>64.8</td> </tr> <tr> <td>150 KLD SBT Area</td> <td>Day</td> <td>66.7</td> <td>66.1</td> <td>66.8</td> <td>66.1</td> <td>66.5</td> <td>66.0</td> </tr> </tbody> </table>	Ambient Noise level monitoring (in dB (A))							Location		Apr/24	May/24	Jun/24	Jul/24	Aug/24	Sep/24	Near VIP Gate	Day	63.6	63.4	63.9	63	63.6	63.5	Night	61.0	60.6	60.9	60.7	61.3	60.8	Near Material Gate	Day	66.6	65.9	66.5	65.8	66.3	65.9	Night	59.1	58.5	58.7	58.6	58.8	58.5	Near CN 123 NOx Scrubber Area	Day	71.0	70.8	70.9	70.7	71.2	70.5	Night	65.9	65.7	66.1	65.5	66.2	65.3	Near U/G Benzene Storage Area	Day	67.2	66.4	67.4	66.7	67.3	66.7	Night	62.3	62.0	62.1	62.0	62.3	61.9	Near Gate No. 2	Day	71.2	71.1	71.4	70.9	71.2	70.7	Night	66.2	65.4	66.1	65.8	66.3	65.5	Near 30 TPH Boiler Area	Day	68.8	68.4	68.7	68.1	68.8	68.2	Night	64.3	64.1	64.2	63.9	64.4	64.1	Near Acid Tank Loading/Unloading Area	Day	70.4	69.9	70.5	70.0	70.4	69.7	Night	65.3	65.0	65.1	64.8	65.1	64.8	150 KLD SBT Area	Day	66.7	66.1	66.8	66.1	66.5	66.0
Ambient Noise level monitoring (in dB (A))																																																																																																																																		
Location		Apr/24	May/24	Jun/24	Jul/24	Aug/24	Sep/24																																																																																																																											
Near VIP Gate	Day	63.6	63.4	63.9	63	63.6	63.5																																																																																																																											
	Night	61.0	60.6	60.9	60.7	61.3	60.8																																																																																																																											
Near Material Gate	Day	66.6	65.9	66.5	65.8	66.3	65.9																																																																																																																											
	Night	59.1	58.5	58.7	58.6	58.8	58.5																																																																																																																											
Near CN 123 NOx Scrubber Area	Day	71.0	70.8	70.9	70.7	71.2	70.5																																																																																																																											
	Night	65.9	65.7	66.1	65.5	66.2	65.3																																																																																																																											
Near U/G Benzene Storage Area	Day	67.2	66.4	67.4	66.7	67.3	66.7																																																																																																																											
	Night	62.3	62.0	62.1	62.0	62.3	61.9																																																																																																																											
Near Gate No. 2	Day	71.2	71.1	71.4	70.9	71.2	70.7																																																																																																																											
	Night	66.2	65.4	66.1	65.8	66.3	65.5																																																																																																																											
Near 30 TPH Boiler Area	Day	68.8	68.4	68.7	68.1	68.8	68.2																																																																																																																											
	Night	64.3	64.1	64.2	63.9	64.4	64.1																																																																																																																											
Near Acid Tank Loading/Unloading Area	Day	70.4	69.9	70.5	70.0	70.4	69.7																																																																																																																											
	Night	65.3	65.0	65.1	64.8	65.1	64.8																																																																																																																											
150 KLD SBT Area	Day	66.7	66.1	66.8	66.1	66.5	66.0																																																																																																																											

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

			Night	53.3	52.8	53.3	52.6	52.9	52.4
		Near NT Tank Farm	Day	58.6	58.0	58.7	58.1	58.5	58.3
			Night	60.2	59.7	60.3	59.8	60.0	59.8
		Near MBR STP	Day	68.4	67.7	68.0	67.5	68.0	67.8
			Night	63.6	62.7	63.4	62.9	63.5	62.7
		Near Ash Silo (CPP Plant)	Day	53.5	53.0	53.5	53.3	53.5	53.1
			Night	66.8	66.7	67.3	66.4	67.3	66.7
		Near ETP Expansion	Day	60.4	59.8	60.4	59.6	60.3	59.9
			Night	56.1	55.9	56.4	55.9	56.2	55.4
		Near Utility DM Plant	Day	73.8	72.9	73.1	72.8	73.2	74.2
			Night	69.5	68.7	69.4	68.8	69.0	68.8
		Near NEW ETP	Day	73.8	74.1	73.9	73.5	72.9	73.1
			Night	69.3	68.7	69.3	68.6	69.5	68.8
		Near Utility RO Section	Day	64.8	64.3	64.7	64.4	64.8	64.0
			Night	62.1	61.6	61.8	61.6	62.2	61.3
		All values are well within the limits.							
<b>A.6</b>	<b>ENERGY CONSERVATION:</b>								
49.	The project proponent shall install energy efficient devices and appliances conforming to the Bureau of Energy Efficiency norms.	Complied.  Unit has installed energy efficient devices and appliances conforming to the Bureau of Energy Efficiency norms.							
50.	The energy audit shall be conducted at regular intervals and the recommendations of the audit report shall be implemented	Complied. Energy Audit has been carried out by Devki Energy Consultancy Pvt Ltd, Vadodara and report is being enclosed herewith as <b>Annexure-22</b> . Unit has also complied all the recommendations made by them.							
<b>A.7</b>	<b>WASTE MINIMIZATION AND CLEANER PRODUCTION:</b>								
51.	The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	Complied. Unit has undertaken the Cleaner Production Assessment study and obtained Gujarat Cleaner Production Award 2014-15. The same is being enclosed herewith as <b>Annexure-23</b> . The unit is maintaining Zero liquid Discharge.							

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

52.	The company shall undertake following waste minimization measures:	
a.	Metering and control of quantities of active ingredients to minimize waste.	Complied. Metering has been provided for active ingredients.
b.	Reuse of by-products from the process as raw materials or raw materials substitutes in other process.	Complied. Unit is sending spent acid generated to the SSP manufacturing unit Vapi along with other industries having permission under Rule 9 of Hazardous Waste Rules, 2016 with a manifest through dedicated tankers equipped with GPS.
c.	Use of automated and enclosed filling to minimize spillages.	Complied. All the feeding systems are closed and automated.
d.	Use of close feed system into batch reactors.	Complied. Closed loop system has been implemented in batch reactors.
e.	Dry cleaning / mopping of floor instead of floor washing	Complied. Dry cleaning in roads and mopping are being done in plant
f.	Use of high pressure hoses for cleaning to reduce wastewater generation	Complied. Unit is using only high pressure hose pipes wherever required.
g.	Regular preventive maintenance for avoiding leakage, spillage etc.	Complied. Preventive maintenance plan & condition monitoring is in place and is being strictly followed.
<b>A.8</b>	<b>GREEN BELT AND OTHER PLANTATION:</b>	
53.	The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate, nearby schools, gram panchayat areas and any other open areas in consultation with the GIDC / local bodies /GPCB and submit an action plan of plantation for next three years to the GPCB.	Complied. Unit has developed Green belt area as per CPCB guidelines within and outside the premises. Unit has developed approx 48893 m2 of green belt outside and approx. 18856 m2 within the premises . Additionally, Green belt area of 11059 m2 is developed in Aarti Owned Plot No:122.

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

54.	Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development.	Complied. Sprinkler system has been provided for the irrigation of the Green Belt area. Installed water irrigation system includes circulation pipelines of 960 m provided with laterals and drippers of 20,000 m and 10800 numbers respectively.																					
<b>B</b>	<b>OTHER CONDITION:</b>																						
55.	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Complied.  Unit has provided the system to close down the operation in the event of failure of any pollution control equipment.																					
56.	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) published by the Central Pollution Control Board, as may be applicable.	Complied.  The unit has strictly followed all applicable recommendations mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) published by the Central Pollution Control Board.  Refer enclosed <b>Annexure-20</b> .																					
57.	A separate Environment Management Cell equipped with full fledged laboratory facilities and qualified personnel shall be set up to carry out the Environment Management and Monitoring functions and a separate budget shall be allocated for this purpose.	Complied. Unit has established an Environment Management Cell comprising Environment Engineers, Managers and area experts under the guidance of General Manager/ Vice Presidents.  <table border="1" data-bbox="652 1283 1437 1661"> <thead> <tr> <th colspan="3">Environment Management Cell</th> </tr> <tr> <th>Sr No</th> <th>Name of Member</th> <th>Designation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Shyam Dhekekar</td> <td>Executive Vice President</td> </tr> <tr> <td>2</td> <td>Subhat Jindal</td> <td>Executive Vice President</td> </tr> <tr> <td>3</td> <td>Shankar Karhale</td> <td>Vice President</td> </tr> <tr> <td>4</td> <td>Krishan Kumar Maurya</td> <td>Assistant General Manager</td> </tr> <tr> <td>5</td> <td>Chintan Jethwa</td> <td>Manager</td> </tr> </tbody> </table> Ful fledged laboratory facility exists for Environmental Monitoring with facilities to carry out analysis like pH, TOC, COD, TDS, MLSS, MLVSS, Chloride, Sulphate, Total Hardness, Silica, Phenol, Ammoniacal Nitrogen, Turbidity, Alkalinity and Conductivity etc.	Environment Management Cell			Sr No	Name of Member	Designation	1	Shyam Dhekekar	Executive Vice President	2	Subhat Jindal	Executive Vice President	3	Shankar Karhale	Vice President	4	Krishan Kumar Maurya	Assistant General Manager	5	Chintan Jethwa	Manager
Environment Management Cell																							
Sr No	Name of Member	Designation																					
1	Shyam Dhekekar	Executive Vice President																					
2	Subhat Jindal	Executive Vice President																					
3	Shankar Karhale	Vice President																					
4	Krishan Kumar Maurya	Assistant General Manager																					
5	Chintan Jethwa	Manager																					

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

58.	The funds earmarked for environment protection measures shall be maintained in a separate account and there shall not be any diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards shall be reported.	<p>Complied.</p> <p>Budgetary allocation is made for revenue expenditure for routine operation of various treatment facilities. Allocated funds for environment management/pollution control are not diverted for any other purpose.</p> <p>Detailed expenditure deployed in environment pollution mitigation measures such as environmental monitoring, green belt development, effluent treatment, hazardous waste storage and disposal for the period of Apr'24 to Sep'24 is tabulated below:</p> <table border="1" data-bbox="711 682 1442 1171"> <thead> <tr> <th>Sr. No</th> <th>Activities</th> <th>Total Cost (Rs in Lacs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Environment monitoring</td> <td>4.37</td> </tr> <tr> <td>2</td> <td>Green belt</td> <td>2.25</td> </tr> <tr> <td>3</td> <td>Effluent treatment plant</td> <td>1095.33</td> </tr> <tr> <td>4</td> <td>Hazardous waste storage and disposal</td> <td>431.63</td> </tr> <tr> <td colspan="2"><b>Total Cost</b></td> <td><b>1533.58</b></td> </tr> </tbody> </table>	Sr. No	Activities	Total Cost (Rs in Lacs)	1	Environment monitoring	4.37	2	Green belt	2.25	3	Effluent treatment plant	1095.33	4	Hazardous waste storage and disposal	431.63	<b>Total Cost</b>		<b>1533.58</b>
Sr. No	Activities	Total Cost (Rs in Lacs)																		
1	Environment monitoring	4.37																		
2	Green belt	2.25																		
3	Effluent treatment plant	1095.33																		
4	Hazardous waste storage and disposal	431.63																		
<b>Total Cost</b>		<b>1533.58</b>																		
59.	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	<p>Complied.</p> <p>Pucca flooring has been provided in the work areas, chemical storage areas and chemical handling areas to avoid soil contamination.</p>																		
60.	Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.	<p>Complied.</p> <p>Unit is using only mechanical seal pumps in order to avoid the leakages. Seamless pipes without flange joints are provided in the plant. Regular preventive maintenance is also being carried out.</p>																		
61.	All the recommendations made in the EIA Report submitted by the project proponent shall be strictly implemented.	<p>Complied.</p> <p>Unit has implemented all the recommendations made in the EIA Report.</p>																		
62.	The company shall carry out socio-economic developmental / community welfare activities	<p>Complied.</p>																		

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

	in consultation with the District Development Officer / District Collector.	Unit is doing socio-economic developmental measures including community welfare measures. Activity details are enclosed herewith as <b><u>Annexure-20</u></b> .
63.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Complied. Unit is assures to comply with all the additional conditions imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
64.	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Noted, Unit has taken Environmental Clearance amendment as File No.SEIAA/GUJ/EC/5(f)/893/2019 dated 19.06.2019 and is enclosed herewith as <b><u>Annexure-3</u></b> .
65.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied. Unit has devoted sufficient funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein.
66.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of	Complied Advertisements were given in local newspapers.

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

	which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	
67.	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.	Complied.  The Unit had submitted the half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 29.05.2023 for the period of Oct'23 to Mar'24. Screenshot of half-yearly compliance report submission in State Environment Impact Assessment Authority portal is enclosed herewith as <b><u>Annexure-5</u></b> .
68.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied. Unit is adhering to the stipulations issued by the Gujarat Pollution Control Board.
69.	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted.  Not applicable since the project is self-financed. Kindly refer the copy of CERTIFICATE OF REGISTRATION enclosed herewith as <b><u>Annexure-24</u></b> .
70.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
71.	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention &	Complied.  The Public Liability Insurance Policy No: 03040113710000 Valid from 09/01/2024 12:00 AM/ PM to till 08/01/2025 12:00 AM/ PM is enclosed herewith as <b><u>Annexure-14</u></b> .

**Environmental Clearance Compliance Report - April 2024 to September 2024**

**EC.: SEIAA/GUJ/EC/5(f)/81/2013 dated 22.04.2013**

	Control of Pollution) Act,1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	
72.	This environmental clearance is valid for five years from the date of issue.	Noted.
73.	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.

**Environment Compliance Report of**

**EC File No.: SEIAA/GUJ/EC/5(f)/893/2019,**

**dated 19.06.2019**

**Environmental Clearance Compliance Report - April 24 to September 24**

**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

Sr. No.	CONDITIONS	COMPLIANCE STATUS																							
<b>I</b>	<b>SPECIFIC CONDITIONS</b>																								
<b>A.1</b>	<b>WATER</b>																								
3.	<p>There shall be no effluent discharge and the unit shall strictly adhere to Zero Liquid Discharge status after proposed expansion. The unit shall get its underground connection disconnected before commencing the expanded production.</p> <p>Unit shall receive additional effluent of 400.4 KLD from sister concern unit i.e. Aarti Industries Ltd (Unit-II) located at the adjoining plot for treatment and treated wastewater of 370 KLD shall be sent back to them for reuse in their premises.</p>	<p>Complied.</p> <p>Unit is maintaining Zero Liquid Discharge.</p> <p>Underground disconnection certificate from GIDC is enclosed herewith as <b><u>Annexure-4</u></b>.</p> <p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636 dated 28.06.2023 to manage the effluent within the premises, Hence from Jan-2023 Aarti Industries Ltd (Unit-I) has stopped receiving effluent from sister concern unit Aarti Industries Ltd (Unit-II) for treatment.</p>																							
4.	<p>Total 616.4 KLD [216 KLD - Aarti Industries Limited (Unit-I) + 400.4 KLD Aarti Industries Limited (Unit-II)] shall be treated in common/combined ETP.</p>	<p>Complied.</p> <p>Wastewater generation from both the units is treated in common/combined ETP.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="3"><b>Industrial Wastewater Generation Unit I</b></th> </tr> <tr> <th rowspan="2"><b>Month</b></th> <th><b>Total</b></th> <th><b>Avg</b></th> </tr> <tr> <th><b>KL/ Month</b></th> <th><b>KLD</b></th> </tr> </thead> <tbody> <tr> <td><b>Apr-24</b></td> <td>5040</td> <td>168</td> </tr> <tr> <td><b>May-24</b></td> <td>6133</td> <td>198</td> </tr> <tr> <td><b>Jun-24</b></td> <td>5546</td> <td>185</td> </tr> <tr> <td><b>July-24</b></td> <td>5828</td> <td>188</td> </tr> <tr> <td><b>Aug-24</b></td> <td>5920</td> <td>191</td> </tr> </tbody> </table>	<b>Industrial Wastewater Generation Unit I</b>			<b>Month</b>	<b>Total</b>	<b>Avg</b>	<b>KL/ Month</b>	<b>KLD</b>	<b>Apr-24</b>	5040	168	<b>May-24</b>	6133	198	<b>Jun-24</b>	5546	185	<b>July-24</b>	5828	188	<b>Aug-24</b>	5920	191
<b>Industrial Wastewater Generation Unit I</b>																									
<b>Month</b>	<b>Total</b>	<b>Avg</b>																							
	<b>KL/ Month</b>	<b>KLD</b>																							
<b>Apr-24</b>	5040	168																							
<b>May-24</b>	6133	198																							
<b>Jun-24</b>	5546	185																							
<b>July-24</b>	5828	188																							
<b>Aug-24</b>	5920	191																							

**Environmental Clearance Compliance Report - April 24 to September 24**

**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

		Sep-24	6109	204								
		<p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636 dated 28.06.2023 to manage the effluent within the premises, Hence from Jan-2023 Aarti Industries Ltd (Unit-I) has stopped receiving effluent from sister concern unit Aarti Industries Ltd (Unit-II) for treatment.</p>										
5.	Unit shall install combined ETP of adequate capacity consisting of primary, secondary and tertiary treatment facilities followed by RO, MEE & ATFD.	<p>Complied. Unit has installed a combined ETP consisting of primary, secondary and tertiary treatment facilities followed by RO, MEE and ATFD to treat the effluent efficiently.</p> <p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636 dated 28.06.2023 to manage the effluent within the premises, Hence from Jan-2023 Aarti Industries Ltd (Unit-I) has stopped receiving effluent from sister concern unit Aarti Industries Ltd (Unit-II) for treatment.</p>										
6.	Entire quantity (616.4 KLD) shall be treated in the combined ETP consisting of primary, secondary and tertiary treatment facilities followed by RO, MEE and ATFD	<p>Complied. Unit has primary, secondary and tertiary treatment facilities and treated effluent is fed to the RO system followed by MEE, ATFD.</p> <p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636 dated 28.06.2023 to manage the effluent within the premises, Hence from Jan-2023 Aarti Industries Ltd (Unit-I) has stopped receiving effluent from sister concern unit Aarti Industries Ltd (Unit-II) for treatment.</p>										
7.	Out of 580 KLD of RO permeate and MEE condensate; 370 KLD shall be send back to the sister concern unit i.e. Aarti Industries Ltd (Unit-II) located at the adjoining plot for reuse	<p>Complied. Reused water in Aarti Industries Limited Unit-1 are tabulated below.</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Reused Water Unit-1</th> </tr> <tr> <th>KL/ Month</th> <th>KLD</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			Month	Reused Water Unit-1		KL/ Month	KLD			
Month	Reused Water Unit-1											
	KL/ Month	KLD										

**Environmental Clearance Compliance Report - April 24 to September 24**

**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

	<p>and remaining 210 KLD shall be reused within plant premises.</p>	<table border="1" data-bbox="667 205 1461 533"> <tr> <td><b>Apr-24</b></td> <td>3959</td> <td>132</td> </tr> <tr> <td><b>May-24</b></td> <td>4054</td> <td>131</td> </tr> <tr> <td><b>Jun-24</b></td> <td>4026</td> <td>134</td> </tr> <tr> <td><b>July-24</b></td> <td>4959</td> <td>160</td> </tr> <tr> <td><b>Aug-24</b></td> <td>5474</td> <td>177</td> </tr> <tr> <td><b>Sep-24</b></td> <td>5431</td> <td>181</td> </tr> </table> <p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636 dated 28.06.2023 to manage the effluent within the premises, Hence from Jan-2023 Aarti Industries Ltd (Unit-I) has stopped send recycled water to sister concern unit Aarti Industries Ltd (Unit-II) .</p>	<b>Apr-24</b>	3959	132	<b>May-24</b>	4054	131	<b>Jun-24</b>	4026	134	<b>July-24</b>	4959	160	<b>Aug-24</b>	5474	177	<b>Sep-24</b>	5431	181
<b>Apr-24</b>	3959	132																		
<b>May-24</b>	4054	131																		
<b>Jun-24</b>	4026	134																		
<b>July-24</b>	4959	160																		
<b>Aug-24</b>	5474	177																		
<b>Sep-24</b>	5431	181																		
<p>8.</p>	<p>Out of 284.4 KLD of total process effluent (91 KLD from Unit-I + 193.4 KLD from Unit-II); 66 KLD of effluent shall be treated by Fenton treatment followed by MEE -1 &amp; ATFD - 1 and 218.4 KLD of effluent shall be treated in ETP. Treated effluent from ETP (218.4 KLD) and MEE-1 condensate (60 KLD) shall be mixed and further treated in RO 1,2,3,4.</p>	<p>Complied.</p> <p>Unit has adequate treatment facility for treatment of process effluent which includes fenton treatment, ETP with primary, secondary and tertiary treatment, MEE, ATFD and RO .</p> <p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636 dated 28.06.2023 to manage the effluent within the premises, Hence from Jan-2023 Aarti Industries Ltd (Unit-I) has stopped receiving effluent from sister concern unit Aarti Industries Ltd (Unit-II) for treatment.</p>																		
<p>9.</p>	<p>Remaining 332 KLD of effluent from utilities (125 KLD from Unit-1 + 207 KLD from Unit-II) shall be treated by desilication process followed by RO - 5,6.</p>	<p>Complied.</p> <p>Unit has installed a Desilication Process system followed by RO System to treat Utility Effluent.</p> <p>RO Permeate &amp; MEE Condensate is reused in cooling towers (with reference to amended condition No. 7) and generated residue is sent to ATFD.</p> <p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636 dated 28.06.2023 to manage the effluent within the premises,</p>																		

**Environmental Clearance Compliance Report - April 24 to September 24**

**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

		<p>Hence from Jan-2023 Aarti Industries Ltd (Unit-I) has stopped receiving effluent from sister concern unit Aarti Industries Ltd (Unit-II) for treatment.</p>
<p>10.</p>	<p>RO reject of RO- 1, 2, 3, 4, 5, 6 shall be subjected to MEE - 2, 3, 4, followed by ATFD 2, 3, 4. Condensate of 123 KLD (MEE - 2, 3, 4) shall be mixed with RO permeate of 208 KLD (RO - 1, 2, 3, 4) RO permeate of 249 KLD (RO - 5, 6 ) for reuse. 210 KLD of treated water shall be reused in Unit- I and remaining 370 KLD shall be send to unit-II for reuse.</p>	<p>Complied.</p> <p>RO Permeate and MEE condensate is reused and Unit is maintaining ZLD.</p> <p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636 dated 28.06.2023 to manage the effluent within the premises, Hence from Jan-2023 Aarti Industries Ltd (Unit-I) has stopped send recycled water to sister concern unit Aarti Industries Ltd (Unit-II).</p>
<p>11.</p>	<p>The unit shall provide metering facility at the inlets and outlets of ETP, RO, MEE, ATFD, reuse, as well as inlet and outlet of effluent received from sister concern unit i.e. Aarti Industries Limited (Unit-II) located at the adjoining plot and maintain the records of the same</p>	<p>Complied.</p> <div data-bbox="669 953 1399 1491" data-label="Image"> </div> <p>Meters have been provided at the inlet and outlet of ETP, RO, MEE, ATFD, reuse, as well as inlet and outlet of effluent received from sister concern unit i.e. Aarti Industries Limited (Unit-II; PCB ID: 35534) and records were also maintained for the same. Unit is maintaining ZLD.</p> <p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636</p>

**Environmental Clearance Compliance Report - April 24 to September 24**

**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

		dated 28.06.2023 to manage the effluent within the premises, Hence from Jan-2023 Aarti Industries Ltd (Unit-I) has stopped receiving effluent from sister concern unit Aarti Industries Ltd (Unit-II) for treatment.																										
12.	Proper Logbooks of ETP, RO plants, MEE & ATFD operations, chemical consumptions, quantity and quality reused within premises, power generations, as well as inlet and outlet of effluent received from sister concern unit i.e. Aarti Industries Limited (Unit-II) located at the adjoining plot, etc. shall be maintained and furnished to the GPCB from time to time.	<p>Complied.</p> <p>Log books are maintained for ETP, RO plants, MEE &amp; ATFD operations, chemical consumptions, power generations. In addition to this, the quantity and quality of reused water within premises.</p> <p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636 dated 28.06.2023 to manage the effluent within the premises, Hence from Jan-2023 Aarti Industries Ltd (Unit-I) has stopped receiving effluent from sister concern unit Aarti Industries Ltd (Unit-II) for treatment.</p>																										
<b>II</b>	<b>ADDITIONAL CONDITIONS</b>																											
2.1	Unit shall install adequate capacity of combined STP for treatment of domestic wastewater 43 KLD (5 KLD from Unit-1 & 38 KLD from Unit-2). Treated sewage shall be utilized for gardening & plantation purposes within premises of Unit-1 (13 KLD) & Unit-2 (30 KLD).	<p>Complied.</p> <p>Domestic wastewater generation is well within the given limit and Unit has installed adequate capacity of STP for treatment of domestic water.</p> <p>Domestic wastewater generation from Aarti Industries Limited Unit-1 is tabulated below:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3"><b>Domestic Wastewater Generation</b></th> </tr> <tr> <th rowspan="2"><b>Month</b></th> <th><b>Total</b></th> <th><b>Avg</b></th> </tr> <tr> <th><b>KL/ Month</b></th> <th><b>KLD</b></th> </tr> </thead> <tbody> <tr> <td><b>Apr/24</b></td> <td>140.78</td> <td>4.69</td> </tr> <tr> <td><b>May/24</b></td> <td>146.67</td> <td>4.73</td> </tr> <tr> <td><b>Jun/24</b></td> <td>145.43</td> <td>4.85</td> </tr> <tr> <td><b>Jul/24</b></td> <td>145.67</td> <td>4.70</td> </tr> <tr> <td><b>Aug/24</b></td> <td>146.21</td> <td>4.72</td> </tr> <tr> <td><b>Sep/24</b></td> <td>144.58</td> <td>4.82</td> </tr> </tbody> </table>	<b>Domestic Wastewater Generation</b>			<b>Month</b>	<b>Total</b>	<b>Avg</b>	<b>KL/ Month</b>	<b>KLD</b>	<b>Apr/24</b>	140.78	4.69	<b>May/24</b>	146.67	4.73	<b>Jun/24</b>	145.43	4.85	<b>Jul/24</b>	145.67	4.70	<b>Aug/24</b>	146.21	4.72	<b>Sep/24</b>	144.58	4.82
<b>Domestic Wastewater Generation</b>																												
<b>Month</b>	<b>Total</b>	<b>Avg</b>																										
	<b>KL/ Month</b>	<b>KLD</b>																										
<b>Apr/24</b>	140.78	4.69																										
<b>May/24</b>	146.67	4.73																										
<b>Jun/24</b>	145.43	4.85																										
<b>Jul/24</b>	145.67	4.70																										
<b>Aug/24</b>	146.21	4.72																										
<b>Sep/24</b>	144.58	4.82																										

**Environmental Clearance Compliance Report - April 24 to September 24**

**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

		<p>Treated domestic wastewater is utilized for gardening &amp; plantation purposes within the unit premises.</p> <p>Sister concern unit i.e. Aarti Industries Ltd (Unit-II) has applied for CCA Amendment application inward no. 270448 dated 17.01.2023 and obtained CC&amp;A Amendment No. AWH-126636 dated 28.06.2023 for management of sewage in their own premises. Hence from Jan-23 Aarti Industries Ltd (Unit-I) has stopped to receive sewage from sister concern unit Aarti Industries Ltd (Unit-II) for treatment</p>														
2.2	<p>Unit shall provide a buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.</p>	<p>Noted.</p> <p>Unit has provided buffer water storage tanks of adequate capacities to store treated wastewater and the tank capacities of the same is tabulated below:</p> <table border="1" data-bbox="662 842 1469 1045"> <thead> <tr> <th data-bbox="662 842 850 940">Treated Wastewater</th> <th colspan="3" data-bbox="850 842 1161 940">RO Permeate Tanks</th> <th colspan="3" data-bbox="1161 842 1469 940">MEE Condensate Tanks</th> </tr> </thead> <tbody> <tr> <td data-bbox="662 940 850 1045">Storage Tank Capacities</td> <td data-bbox="850 940 954 1045">150 KL</td> <td data-bbox="954 940 1065 1045">188 KL</td> <td data-bbox="1065 940 1161 1045">20 KL</td> <td data-bbox="1161 940 1265 1045">20 KL</td> <td data-bbox="1265 940 1369 1045">50 KL</td> <td data-bbox="1369 940 1469 1045">165 KL</td> </tr> </tbody> </table>	Treated Wastewater	RO Permeate Tanks			MEE Condensate Tanks			Storage Tank Capacities	150 KL	188 KL	20 KL	20 KL	50 KL	165 KL
Treated Wastewater	RO Permeate Tanks			MEE Condensate Tanks												
Storage Tank Capacities	150 KL	188 KL	20 KL	20 KL	50 KL	165 KL										
2.3	<p>Regular performance evaluation of the combined ETP shall be undertaken every year to check its adequacy, through a reputed institute/organization &amp; its records shall be maintained.</p>	<p>Complied.</p> <p>Unit is caring out Environmental Audit from Schedule 1 Auditor allotted by GPCB. Environment Audit for FY-2023-24 was conducted by <b>Shree Dhanvantary College of Engineering &amp; Technology, Environment Audit Laboratory, Kim, Surat</b>. Unit has complied the observations made by them and is maintaining the record of the same and is enclosed herewith as <b><u>Annexure-6</u></b>.</p> <p>ETP adequacy has been evaluated by a reputed institute i.e. <b>Shree Dhanvantary College of Engineering &amp; Technology, Environment Audit Laboratory, Kim, Surat</b> along with other Environment Management systems &amp; found adequate. Copy of the same is enclosed herewith as an <b><u>Annexure-7</u></b>.</p>														
2.4	<p>Additional Imported Coal to the tune of 0.2 MT/hr shall be used as fuel in the existing Boilers for steam requirement for proposed Multiple Effect Evaporators.</p>	<p>Complied.</p> <p>Unit is using Coal as fuel in Boilers. Steam for MEE is used from Existing Boilers.</p>														

**Environmental Clearance Compliance Report - April 24 to September 24**

**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

2.5	Hazardous Waste Management shall be as under :	Complied. Hazardous waste disposal data during Apr'24 to Sep'24 is tabulated below:
-----	--	--

Sr. No.	Type of Waste	Category	Quantity			Hazardous Waste management Disposal Facility	Status	
			Existing	Proposed	Total		Month	Total Disposal Quantity (MT)
1.	Empty Barrels/Containers/Liners contaminated with hazardous chemicals/wastes	33.1	225 MT/Year	00	225 MT/Year	Collection, storage, transportation & Disposal by sending it to authorised decontamination facility/recycler or reuse or send back to supplier.	<b>Month</b>	<b>Total Disposal Quantity (MT)</b>
							<b>Apr-24</b>	15.420
							<b>May-24</b>	27.750
							<b>Jun-24</b>	13.300
							<b>Jul-24</b>	2.950
							<b>Aug-24</b>	18.470
							<b>Sep-24</b>	0.960
							<b>Total</b>	<b>78.85</b>
2	Chemical sludge from wastewater treatment plant	35.3	1200 MT/Year ETP waste	2880	4080 MT/Year ETP waste	Collection, storage, Treatment, transportation & Disposal at TSDF at BEIL	<b>Month</b>	<b>Total Disposal Quantity (MT)</b>
							<b>Apr-24</b>	379.760
							<b>May-24</b>	288.620
							<b>Jun-24</b>	105.200
			270 MT/Year MEE waste	50	320 MT/Year MEE waste		<b>Jul-24</b>	0.000
							<b>Aug-24</b>	185.370
							<b>Sep-24</b>	389.430
							<b>Total</b>	<b>1348.38</b>

**Environmental Clearance Compliance Report - April 24 to September 24**

**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

3	Used or spent Oil	5.1	2.3 MT/Year	00	2.3 MT/Year	Collection, storage & reuse in plant & machineri es or sell to authorised registered recyclers	Month	Total Disposal Quantity (MT)
							<b>Apr-24</b>	0.000
<b>May-24</b>	0.000							
<b>Jun-24</b>	0.000							
<b>Jul-24</b>	0.000							
<b>Aug-24</b>	0.000							
<b>Sep-24</b>	0.000							
<b>Total</b>	<b>0.00</b>							
4	Any Process or distillation residue	36.1	480 MT/Year	00	480 MT/Year	Collection, storage ,transporta tion & Disposal at common incinerator of BEIL/SEPP L	Month	Total Disposal Quantity (MT)
							<b>Apr-24</b>	159.170
							<b>May-24</b>	173.830
							<b>Jun-24</b>	121.570
							<b>Jul-24</b>	182.350
							<b>Aug-24</b>	184.790
							<b>Sep-24</b>	278.990
							<b>Total</b>	<b>1100.70</b>
							The unit has obtained CTE from the board and subsequently applied for CCA amendment application for increase in quantity of residue.	
5	Ash from incinerator & flue gas cleaning residue	37.2	12.480 MT/Year	00	12.480 MT/Year	Collection, storage, Treatment, transporta tion & Disposal at TSDF at BEIL	Incinerator Ash is not generated as Incinerator has been dismantled and letter for dismantling of Incinerator has been enclosed herewith as <b><u>Annexure-11</u></b>	

**Environmental Clearance Compliance Report - April 24 to September 24**

**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

Sl. No.	Waste Name	Total Quantity (MT)	Permissible Limit (MT/Year)	Actual Quantity (MT)	Permissible Limit (MT/Year)	Disposal Method	Disposal Details	
							Month	Total Disposal Quantity (MT)
6	Spent Carbon or filter medium	36.2	40.80 MT/Year	00	40.80 MT/Year	Collection, storage, transportation & Disposal at common incinerator of BEIL/SEPP L	Apr-24	0.00
							May-24	7.41
							Jun-24	0.00
							Jul-24	0.00
							Aug-24	0.00
							Sep-24	0.00
							<b>Total</b>	<b>7.41</b>
7	Inorganic Acids (Spent Acids)	B-15	86400 MT/Year	00	86400 MT/Year	Collection, storage, transportation & Disposal through end user who has valid permission under Rule-9 of Hazardous & other waste (M & TBM) Rules-2016	Apr-24	4073.020
							May-24	4423.230
							Jun-24	3190.871
							Jul-24	2977.591
							Aug-24	4964.900
							Sep-24	5354.550
							<b>Total</b>	<b>24984.16</b>
8	Spent Catalyst	28.2	7.440 MT/Year	00	7.440 MT/Year	Collection, storage, transportation & Disposal by selling to authorised recycler	Apr-24	0.000
							May-24	0.000
							Jun-24	0.864

**Environmental Clearance Compliance Report - April 24 to September 24**

**EC Amendment : SEIAA/GUJ/EC/5(f)/893/2019, dated 19.06.2019**

						for Regenerati on	<b>Jul-24</b>	0.000
							<b>Aug-24</b>	0.000
							<b>Sep-24</b>	0.000
							<b>Total</b>	<b>0.86</b>
9	Fly Ash	Z-Z14	7560 MT/ Year	00	7560 MT/ Year	Collection, storage ,transporta tion & Disposal by selling to Brick manufactu rer & Cement Industry	<b>Month</b>	<b>Total Disposal Quantity (MT)</b>
							<b>Apr-24</b>	726.960
							<b>May-24</b>	780.700
							<b>Jun-24</b>	598.980
							<b>Jul-24</b>	443.330
							<b>Aug-24</b>	639.710
							<b>Sep-24</b>	620.380
							<b>Total</b>	<b>3810.06</b>



# GUJARAT POLLUTION CONTROL BOARD

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

By R.P.A.D.

**CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)**  
**CCA NO: AWH-119699**

**NO: GPCB/ANK/CCA-142(12)/ID-14855/\_\_\_\_\_**

**DT: \_\_\_/09/2022**

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) Act-1981 and Authorization under rule 6(2) of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986.

And whereas Board has received consolidated application dated **27/04/2022** and inward no. **213886** for the consolidated consent and authorization (**CC & A**) of this Board under the provisions / rules of the aforesaid Acts, Consolidated Consent & Authorization is hereby granted as under.

**CONSOLIDATED CONSENT AND AUTHORISATION:**

(Under the provisions / rules of the aforesaid Environmental Acts)

To,  
M/s. AARTI INDUSTRIES LTD.,  
PLOT NO: 758/1-2-3,  
GIDC ESTATE JHAGADIA,  
DIST-BHARUCH.

1. Consent Order No. : AWH-119699 date of Issue 29/06/2022.
2. The consent under Water Act -1974, Air Act - 1981 and Authorization under Environment (Protection) Act, 1986 shall be valid up to 07/06/2029 to operate industrial plant to manufacture following products:

Sr. No.	Products	Quantity (MT/Month)
1	Group-C DIETHYL SULPHATE	100
	Group-A MONO NITRO DERIVATIVES OF BENZENE & CHLORO BENZENE PARA NITRO CHLORO BENZENE OR ORTHO NITRO CHLORO BENZENE OR ORTHO/PARA/META-NITRO CUMENE OR NITRO BENZENE OR 2,5 DICHLORO NITRO BENZENE OR 3,4 DICHLORO NITRO BENZENE OR ORTHO NITRO TOLUENE OR META NITRO TOLUENE OR PARA NITRO TOLUENE OR META NITRO CHLORO BENZENE OR 2,4 DI CHLORO NITRO BENZENE	6000

Clean Gujarat Green Gujarat

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

Outward No: 68266209/190

3	<b>GROUP-B DINITRO DERIVATIVES OF BENZENE &amp; MCB</b> DI NITRO BENZENE OR DI NITRO CHLORO BENZENES	3000
4	<b>GROUP-D</b> META CHLORO ANILINE OR PARA CHLORO ANILINE OR 3,4 DICHLORO ANILINE OR 2,3 DICHLORO ANILINE OR 2,5 DICHLOROANILINE OR META PHENYLENE DIAMINE OR PARA PHENYLENE DIAMINE OR ORTHO PHENYLENE DIAMINE OR ORTHO ANISIDINE OR PARA ANISIDINE OR CHLORO FLUORO ANILINE OR PARA CUMIDINE OR PARA AMINO PHENOL OR META AMINO PHENOL OR TOLUIDINES OR ORTHO CHLORO ANILINE OR 2,4 DICHLORO ANILINE	5000 (Total production of Sr. No. 4 &5 shall not exceed)
5	<b>GROUP-D</b> 2,6 DICHLOROANILINE OR 3,5 DICHLOROANILINE OR MIXTURE OF 2,4/2,5 DCA OR MIXTURE OF 2,5/2,6 DCA OR MIXTURE OF 2,4/2,5/2,6 DCA OR ORTHO CUMIDINE OR META CUMIDINE OR META ANISIDINE OR 2,4,5 TRICHLORO ANILINE OR ANILINE OR PARA FLORO ANILINE OR META FLORO ANILINE OR ORTHO FLORO ANILINE OR DI FLORO BENZENE OR 4-FLORO-N ISOPROPYLANILINE OR OTHER REDUCTION PRODUCT	
6	<b>GROUP-E</b> ONLY PHYSICAL SEPARATION ORTHO/PARA/META CHLORO TOLUENE	450
7	<b>GROUP-F</b> ONLY PHYSICAL SEPARATION OF 2,3 DCNB, 3,4 DCNB	550
8	CO-GENERATION POWER PLANT	4.50 MWH

**Specific conditions:**

- a) Unit shall comply with all the conditions stipulated by SEIAA in the order of Environment Clearance issued vide letter no. SEIAA/GUJ/EC/5(f)/893/2019, dated: 19/06/2019.
- b) Both units (PCB ID: 14855(Plot No.758/1-2-3) & PCB ID: 35534 (Plot No. 756/4A,B/5A,B/6/7 & 779) shall maintain ZLD.



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,

GANDHINAGAR - 382010,

(T) 079-23232152

- c) Unit shall use fresh raw material only.
- d) Unit shall sell out their hazardous waste to authorized endusers who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endusers and submit MoU.
- e) All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & there after it shall be disposed through other option.
- f) Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.
- g) Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline.
- h) Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.
- i) Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.
- j) Unit shall install online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH.
- k) Unit shall provide fixed pipeline system to transfer the effluent from Unit-II to Unit-I for treatment & shall also provide metering system in order to keep the records of the effluent being transferred & treated in the Common/Combined ETP. Unit shall also provide storage tanks for collecting the permeate/condensate from RO/MEE for recycle purpose.
- l) Domestic w/w of Unit-I (ID:14855) 5 KLD & Unit-II (ID:35534) 38 KLD i.e. total 43 KLD shall be treated in common STP.
- m) Treated domestic w/w 13 KLD (in Unit-I) and 30 KLD (in Unit-II) shall be used for gardening & Plantation within premises.
- n) Industrial w/w of Unit-I(ID: 14855) 216 KLD and of Unit-II (ID: 35534) 140.84 KLD shall be treated in combined ETP at Unit-I (ID: 14855).
- o) Unit shall provide buffer water storage tank as adequate capacity for storage of treated w/w during rainy days.
- p) In case of non-compliance in performance of combined ETP & any breach of conditions for combined ETP both the units (ID: 14855 & 35534) will be responsible.
- q) Unit shall provide flow meter at inlet and outlet of ZLD system and maintain daily record of the same.

### 3. CONDITION UNDER THE WATER ACT:

3.1 The quantity of total water consumption shall not exceed **1118 KL/Day** as per below break up as mentioned in form D submitted for consent application under Water Act-1974.

- a) Domestic: 25 KL/Day
- b) Industrial: 1093 KL/Day

3.2 The quantity of total waste water generation shall not exceed **436.84 KL/Day** as per below break up as mentioned in form D submitted for consent application under Water Act- 1974.

- a) Domestic: 43 KL/Day
- b) Industrial: 393.84 KL/Day

3.3 Mode of disposal of wastewater:

a) Total 43 KLD domestic w/w will be treated in STP to conform the following standards and treated w/w will be utilized (13 KLD in unit-1 and 30 KLD in unit-2) for gardening/plantation purpose.

Sr. No.	PARAMETERS	PERMISSIBLE LIMIT
1	Biochemical Oxygen Demand, BOD <sub>3</sub> , 27 <sup>o</sup> C	20 mg/L
2	Total Suspended Solids (TSS)	30 mg/L
3	Total Residual Chlorine	Minimum 0.5 ppm

- b) Out of total 393.84 KLD effluent, 66 KLD (concentrate stream) will be segregated and will be treated (Fenton Treatment) and will disposed through MEE-1 followed by ATFD-1. MEE condensate (64 KLD) shall be passed through ETP & RO.
- c) Out of remaining 327.84 KLD effluent, 128.84 KLD (dilute stream) shall be treated in primary, secondary and treatment plant followed by RO.
- d) Remain 174 KLD (utility effluent) and 25 KLD (boiler blowdown) shall be treated separately to remove silica them mix with remain utility stream followed by RO.
- e) Reject of RO (99 KLD) shall be passed through MEE followed by ATFD.
- f) Out of total 383 KLD [RO permeate (292 KLD) and MEE condensate (91 LD)], 210 KLD will be utilized in cooling tower of unit-1 and remaining 173 KLD shall be utilized in cooling tower of unit-2 thereby achieving ZLD.
- g) Treated w/w from combined ETP shall be reused in cooling tower as follows:
  - Unit-I (ID:14855) : 210 KLD
  - Unit-II (ID:35534) : 173 KLD

3.4 Unit shall affix of water meters as per Section 4 (1) of the water (Prevention and Control of Pollution) Cess Act - 1977 for the purpose of measuring and recording the quantity of water consumed at such places as may be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the unit until the contrary is proved.

3.5 The GIDC drainage connection given by the GIDC for discharge of industrial effluent shall be disconnected & the outlet shall be sealed.

3.6 Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be treated along with industrial effluent.

3.7 In case of incinerators, the flow measuring devices for mother liquor/ toxic effluent/ Non-biodegradable effluent, light diesel etc. i.e. fuel used for combustion, air used for combustion shall be separately provided. Incinerator temperature recording devices as well as gaseous flow measuring devices for scrubber shall also be provided. These data of temperature & flow should be recorded every day & submitted to GPCB on monthly basis.

3.8 The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environment safeguards and other conditions stipulated by statutory



# GUJARAT POLLUTION CONTROL BOARD

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

authorities. The Environmental Management Cell / Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issued. These Cells also coordinate the exercise of environmental audit and preparation of environmental statements.

- 3.9 The Environmental audit shall be carryout yearly, if applicable. The environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30<sup>th</sup> June every year.
- 3.10 The Board reserves the right to review and/or revoke the consent and / or make modifications in the conditions which it seems fit in accordance with provisions of Water Act-1974.

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

4.1 The following shall be used as fuel:

Sr. No.	Name of fuel	Quantity
1	COAL/ Lignite / Bio mass	Coal /Lignite (70 30) 22 MT/hr.
2	HSD	880 Lit/hr.

4.1.1 The flue gas emission through stack shall conform to the following standards:

Stack No.	Stack attached to	Capacity	Stack Height in Meter (From G.L.)	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
1	IBR water tube Boiler	30 TPH	40	ESP	PM SO2 NOX	150 mg/Nm3 100 ppm 50ppm
2	Steam Boiler	17 TPH	40	ESP + multi cyclone		
3	DG Sets-4 nos.	1010 KVA each	11	--		
4	Thermopack	20 Lac KCal/Hr	30	Bag filter		
5	Boiler	50 TPH	40	ESP		

\* Existing FO Based Boiler (10 TPH) shall be dismantled.

4.2 The Process emission through various stacks/ vent of reactors, process, vessel shall conform to the following standards:

Stack No.	Stack attached to	Stack Height in Meter (From G.L.)	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
1.	Nitration plant	12	Sulfuric acid scrubber followed by caustic scrubber	NOx	25 mg/Nm3

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

Sr. No.	Parameters	Permissible Limit (microgram /m <sup>3</sup> )	
		Annual	24 Hours Average
1.	Particulate Matter (PM <sub>10</sub> )	60	100
2.	Particulate Matter (PM <sub>2.5</sub> )	40	60
3.	Oxides of Sulphur (SO <sub>x</sub> )	50	80
4.	Oxides of Nitrogen (NO <sub>x</sub> )	40	80

- **Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.**
  - **24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.**
- 4.4 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.
- 4.5 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.
- 4.6 Unit shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 4.7 Unit shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.
- 4.8 All efforts shall be made to control VOC emissions and odor problem, if any.

##### **5 GENERAL CONDITIONS: -**

- 5.1 In case of change of ownership/ management the name and address of the new ownership/ partners/ directors/ proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form/ order should immediately be intimated to this Board.
- 5.2 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.
- 5.3 Unit shall put up at the entrance a board displaying the name of unit, particulars of the products/ process and the name of proprietor/partners /directors of the unit and the electricity consumer number as on the record of DGVCL.



# GUJARAT POLLUTION CONTROL BOARD

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

6. **AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6(2)).**
- 6.1 Number of authorization: **AWH-119699 date of Issue 29/06/2022.**
- 6.2 **M/s. AARTI INDUSTRIES LTD.** is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at **PLOT NO: 758/1-2-3, GIDC ESTATE JHAGADIA, DIST: BHARUCH.**

Sr. No.	Name of Haz. Waste	Category Number	Quantity in MT/Year	Facility
1	Empty barrels/ containers/ liners contaminated with hazardous chemicals/ wastes	33.1	225	Collection, storage, transportation and disposal by send it to authorized decontamination facility/ recycler or reuse or send back to supplier.
2	Chemical sludge from waste water treatment	35.3	2480 (ETP waste) 320 (MEE waste)	Collection, storage, treatment, transportation and dispose at TSDF at BEIL.
3	Used or Spent oil	5.1	2.3	Collection, storage, reuse in plant and machineries or sell to authorized registered recyclers.
4	Any process or distillation residue	36.1	480	Collection, storage, transportation and dispose at common incinerator of BEIL/SEPPL.
5	Ash from incinerator and flue gas cleaning residue	37.2	12.48	Collection, storage, transportation and dispose at TSDF at BEIL.
6	Spent carbon or filter medium	36.2	40.8	Collection, storage, transportation and dispose at common incinerator of BEIL/SEPPL.
7	Inorganic acids (spent acids)	B15	86400	Collection, storage, transportation and disposed through end user who has valid permission under Rule-9 of hazardous and other waste rules-2016 after making MoU.
8	Spent catalyst	28.2	7.44	Collection, storage, transportation and disposal by selling to authorized recycler for regeneration.
9	Fly ash	Z14	7560	Collection, storage, transportation and disposal by selling or Brick

				<b>manufacture or cement industry.</b>
--	--	--	--	--

- 6.3 The authorization is granted to operate a facility as above.
- 6.4 The authorization shall be in force for a period **up to 07/06/2029.**
- 6.5 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

**7. TERMS AND CONDITIONS OF AUTHORISATION:**

- 7.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 7.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Gujarat Pollution Control Board.
- 7.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- 7.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- 7.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
- 7.6 The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- 7.7 It is the duty of the authorised person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- 7.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 7.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 7.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 7.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if, any.
- 7.12 An application for the renewal of an authorization shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016.
- 7.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 7.14 Annual return shall be filed by June 30<sup>th</sup> for the period ensuring 31<sup>st</sup> March of the year.
- 7.15 Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14<sup>th</sup> October 2003.
- 7.16 Unit shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,

GANDHINAGAR - 382010,

(T) 079-23232152

- 7.17 Unit shall have to manage used or spent oil; empty or discarded barrels / containers / liners contaminated with hazardous chemicals / wastes, process waste as per Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986 and shall apply Authorization for all applicable waste.

For and on behalf of  
GUJARAT POLLUTION CONTROL BOARD

(Arun G. Patel)  
ENVIRONMENT ENGINEER

Outward No:682662,09/09/2022

Clean Gujarat Green Gujarat

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

Outward No:682662,09/09/2022



# GUJARAT POLLUTION CONTROL BOARD

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

By R.P.A.D.

**CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A - Amendment)**  
**CCA AMENDMENT NO: H-119700**

**NO: GPCB/ANK/CCA-142(12)/ID-14855/\_\_\_\_\_**

**DT:\_\_\_/09/2022**

**To,**  
✓ **M/s. AARTI INDUSTRIES LTD.,**  
**PLOT NO: 758/1-2-3,**  
**GIDC ESTATE JHAGADIA,**  
**DIST-BHARUCH.**

**SUB:** Amendment in Consolidated Consent & Authorization (CC&A) under various Environmental Acts/ Rules.

**REF:** (1) Your application No. 204968 dated **24/11/2021**.  
(2) CCA No. AWH - 119699 dated: 09/09/2022. (CCA Renewal)

Sir,

This has reference to the CCA order No: **AWH-119699**, issued vide letter no. **GPCB/ANK/CCA-142(12)/ID-14855682662**, dated **09/09/2022** under the provisions of the various Environmental Act/ Rules, which stands amended as under.

**The Validity of this order will be up to 07/06/2029.**

**1. There shall be no change in production quantity/capacity.**

**2. Specific conditions:**

- Unit shall comply with all the conditions stipulated by SEIAA in the order of Environment Clearance issued vide letter no. SEIAA/GUJ/EC/5(f)/893/2019, dated: 19/06/2019.
- Unit shall maintain ZLD.
- Unit shall use fresh raw material only.
- Unit shall sell out their hazardous waste to authorized endusers who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endusers and submit MoU.
- All the efforts shall be made to send hazardous waste to cement industry for Co- processing first & there after it shall be disposed through other option.
- Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.
- Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.

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

**3.1** There shall be no change in water consumption, wastewater generation and their mode of disposal from proposed changes.

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

**4.1** There shall be no change in fuel consumption & flue gas emission from proposed changes.

**4.2** There shall be no change in process gas emission from proposed changes.

**Clean Gujarat Green Gujarat**

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

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

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

5.2 The condition No. 6.2 under authorization for Hazardous & other wastes of the CCA order No: **AWH-119699, issued vide letter no. GPCB/ANK/CCA-142(12)/ID-14855682662, dated 09/09/2022** is amended and shall now be read as under.

Sr. No.	Name of Haz. Waste	Cate. Num	Quantity in MT/Year			Facility
			Exi.	Pro.	Total	
1	Empty barrels/containers/liners contaminated with hazardous chemicals / wastes	33.1	225	--	225	Collection, Storage, Transportation, Disposal by sending it to an authorized decontamination facility/ recycler or reuse after decontamination or send back to the supplier or disposal at TSDF or Pre-Processing or Co-Processing at cement industry
2	Chemical Sludge from wastewater Treatment	35.3	2480 (ETP waste)	--	2480 (ETP waste)	Collection, Storage, Transportation, disposal to common TSDF or Pre-Processing or Co-Processing at cement industry
			320 (MEE waste)	--	320 (MEE waste)	
3	Used or Spent Oil	5.1	2.3	--	2.3	Collection, Storage, reuse in plant & machinery or sell to authorized register recyclers.
4	Any Process or Distillation Residue	36.1	480	--	480	Collection, Storage, Transportation, disposal by CHWIF or Pre-Processing or Co-Processing at cement industry
5	Ash from incineration and flue gas cleaning residue	37.2	12.48	--	12.48	Collection, storage, transportation & disposal at common TSDF.
6	Spent carbon or filter medium	36.2	40.80	--	40.80	Collection, storage, transportation & disposal at CHWIF or Pre-Processing or Co-Processing at cement industry



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,

GANDHINAGAR - 382010,

(T) 079-23232152

7	Inorganic Acids (Spent Acids)	B15/26.3	86400	--	86400	Collection, Storage, Transportation, Disposed through end user who has valid permission under Rule-9 of Hazardous and Other Waste (M&TBM) Rules-2016 or Co Processing or as per CPCB SOPs which are released under Rule-9
8	Spent Catalyst	28.2	7.44	--	7.44	Collection, storage, transportation & disposal by selling to authorized recyclers for regeneration
9	Fly Ash	Z14	7560	--	7560	Collection, Storage, Transportation, Sold to Brick Manufacturer or other use i.e road construction or Co-Processing at cement industry
10	Insulation waste/ Thermocol	S1	--	80	80	Collection, storage, Transportation, disposal to common TSDF
11	PPE's Waste	33.2	--	100	100	Collection, Storage, Transportation disposal to common TSDF.
12	Battery waste	--	--	1500 Nos.	1500 Nos.	Collection, Storage, Transportation, Disposal by selling to authorized recyclers or send back to suppliers (Buyback)
13	Glass Waste	S7	--	10	10	Collection, Storage, Transportation, disposal /sold to scrap processors/Recyclers.
14	Cotton waste	33.2	--	25	25	Collection, Storage, Transportation disposal at TSDF Site or Pre-Processing or Co-Processing at cement industry.
15	Asbestos waste	15.2	--	100	100	Collection, Storage, Transportation disposal at TSDF Site.
16	Paper, paperboard and paper	B3	--	200	200	Collection, Storage, Transportation & disposal at TSDF

Clean Gujarat Green Gujarat

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

	product wastes					Site/Incineration or Pre-Processing or Co-Processing at cement industry in case of contamination Or Sell out to Paper recyclers after shredding in case of Non contamination.
--	----------------	--	--	--	--	---

6 All other conditions of the CCA order No: AWH-119699, issued vide letter no. GPCB/ANK/CCA-142(12)/ID-14855682662, dated 09/09/2022 will remain same.

For and on behalf of  
GUJARAT POLLUTION CONTROL BOARD



(Arun G. Patel)  
ENVIRONMENT ENGINEER

Outward No:682673,09/09/2022

**NOTIFIED AREA AUTHORITY GIDC JHAGADIA**  
Office of the Chief Officer NAA, GIDC, JHAGADIA  
Plot No. 40, Road No. 8, Near Pepsico Co. GIDC Jhagadia

CONSUMER COPY

## WATER BILL

Party Name : M/s. Aarti Industries Limited	Plot No. 758/1,2,3
Address : 758/1,2,3	Conn Given Qty 0.00
Category INDUSTRIAL	Conn No. 12
Bill No. 10\Apr24	Bill Date 08-May-24
Size (M.M.) 100	Last Date :- 23-May-24
Bill Month Apr-24	

Your Account Summary :-	
Total Outstanding Amount	Total Interest
0.00	0.00
This Month Charges	
1804220.00	
Total Amount Payable	
1804220	
Last Bill Pay Date :- 23-Apr-24	

Your Account Details :-	
Outstanding	0.00
Interest Rs	0.00
Penal Interest Rs	1804220.00
This Month Charges	1804220.00
Gross Amount	1804220.00
Net Amount (Before Last Date)	
1804220.00	
Amount Payable After Last Date	
18042.20	
Interest Rs	4510.55
Penal Interest Rs	1826772.75
Gross Amount	1826773.00
Net Amount After Last Date	
1826773.00	

Thi Month's Charges :-	
Meter Status	Normal
Current Reading	569304
Previous Reading	536500
Consumption	0.00 32804
Rate / 1000 Ltr.	55.00
Normal Water Usage Charges	0.00 1804220.00
Excess Water Usage Charges	0.00
Fix Charges/Minimum	0.00
Penalty	0.00
Annexure Amt.	0.00
This Month's Charges :	1804220.00

## Payment Details

Chief Officer  
NAA, G.I.D.C., Jhagadia

Payment Mode	Amount	Date	Cheque/D.D. No.	Date	Bank	Branch

## Bank Copy

Party Name	M/s. Aarti Industries Limited
Property	758/1,2,3
Bill No	10\Apr24
Bill Date	08-May-24
Connection	12
Payable Before	23-May-24 1,804,220.00
Payable After	23-May-24 1,826,772.75
Payment Mode :	Chq/D.D. / Cash -
Amount	Eighteen Lakh Four Thousand Two Hundred Twenty
in Words Rs.	
Receipt Date	
Chq/D.D. No.	Chq/D.D. Dt :
Bank	
Branch	
Contact No.	

## Water Supply JHG NA Copy

Party Name	M/s. Aarti Industries Limited
Property	758/1,2,3
Bill No	10\Apr24
Bill Date	08-May-24
Connection	12
Payable Before	23-May-24 1,804,220.00
Payable After	23-May-24 1,826,772.75
Payment Mode :	Chq/D.D. / Cash
Amount	Eighteen Lakh Four Thousand Two Hundred Twenty
in Words Rs.	
Receipt Date	
Chq/D.D. No.	Chq/D.D. Dt :
Bank	
Branch	
Contact No.	

## Note :

- Water charges shall have to be paid in favour of " WATER SUPPLY JHAGADIA NOTIFIED AREA " at Bank of Baroda - GIDC Jhagadia, Branch bearing ACCOUNT NO. 5607020000107 RTGS IFSC CODE: BARB0JHABHA .  
Water charges if not paid within stipulated date of payment will attract the interest (12% per annum) and Penal Interest (3% per annum)
- Use of water beyond GPCB Consent is an offence. If found, the water supply will be disconnected without further notice and the same will be intimated to GPCB. Rivert if quantity considered is not true. \*
- The Effective Water Rate from 01/04/2024 is Rs. 53.90 Per KL + CSR Fund Rs.1.10 = Rs. 55.00
- The Management of water supply scheme is awarded to M/s Sachin Water Supply Co. Pvt. Ltd. For any complaint contact their representative on the Cell No. +91- 7600059722/23/24/25 & 7600059721; 97277 31065\_QR email: sachinwatersupply@gmail.com

ok  
A. W. D. S.



**NOTIFIED AREA AUTHORITY GIDC JHAGADIA**  
Office of the Chief Officer NAA, GIDC, JHAGADIA  
Plot No. 40 , Road No. 8, Near Pepsico Co. GIDC Jhagadia

CONSUMER COPY

**WATER BILL**

Party Name : M/s. Aarti Industries Limited	Plot No. 758/1,2,3
Address : 758/1,2,3	Conn Given Qty 0.00
Category INDUSTRIAL	Size (M.M.) 100
Conn No. 12	Bill Date 10-Jun-24
Bill No. 10May24	Bill Month May-24

**Your Account Summary :-**

Last Date :- 25-Jun-24

Total Outstanding Amount	Total Interest	This Month Charges	Total Amount Payable
0.00	0.00	1902780.00	1902780

Last Bill Pay Amount :- 1804220.00      0.00

Last Bill Pay Date :- 13-May-24

**This Month's Charges :-**

<b>Meter Status</b>	<b>Normal</b>	
Current Reading	603900	
Previous Reading	569304	
Consumption	0.00	34596
Rate / 1000 Ltr.	55.00	
Normal Water Usage Charges	0.00	1902780.00
Excess Water Usage Charges	0.00	
Fix Charges/Minimum	0.00	
Penalty	0.00	
Annexure Amt.	0.00	
<b>This Month's Charges :</b>	<b>1902780.00</b>	

**Your Account Details :-**

Outstanding	0.00
Interest Rs	0.00
Penal Interest Rs	0.00
This Month Charges	1902780.00
Gross Amount	1902780.00
<b>Net Amount (Before Last Date)</b>	<b>1902780.00</b>
<b>Amount Payable After Last Date</b>	
Interest Rs	19027.80
Penal Interest Rs	4756.95
Gross Amount	1926564.75
<b>Net Amount After Last Date</b>	<b>1926565.00</b>

**Payment Details**

Chief Officer  
NAA, G.I.D.C., Jhagadia

Payment Mode	Amount	Date	Cheque/D.D. No.	Date	Bank	Branch

**Bank Copy**

Party Name	M/s. Aarti Industries Limited	
Property	758/1,2,3	
Bill No	10May24	
Bill Date	10-Jun-24	
Connection	12	
Payable Before	25-Jun-24	1,902,780.00
Payable After	25-Jun-24	1,926,564.75
<b>Payment Mode :</b>	<b>Chq/D.D. / Cash</b>	
<b>Amount</b>	<b>Nineteen Lakh Two Thousand Seven Hundred Eighty</b>	
<b>in Words Rs.</b>	<b>Nineteen Lakh Two Thousand Seven Hundred Eighty</b>	
<b>Receipt Date</b>		
<b>Chq/D.D. No.</b>	<b>Chq/D.D. Dt :</b>	
<b>Bank</b>		
<b>Branch</b>		
<b>Contact No.</b>		

**Water Supply JHG NA Copy**

Party Name	M/s. Aarti Industries Limited	
Property	758/1,2,3	
Bill No	10May24	
Bill Date	10-Jun-24	
Connection	12	
Payable Before	25-Jun-24	1,902,780.00
Payable After	25-Jun-24	1,926,564.75
<b>Payment Mode :</b>	<b>Chq/D.D. / Cash</b>	
<b>Amount</b>	<b>Nineteen Lakh Two Thousand Seven Hundred Eighty</b>	
<b>in Words Rs.</b>	<b>Nineteen Lakh Two Thousand Seven Hundred Eighty</b>	
<b>Receipt Date</b>		
<b>Chq/D.D. No.</b>	<b>Chq/D.D. Dt :</b>	
<b>Bank</b>		
<b>Branch</b>		
<b>Contact No.</b>		

**Note :**

- Water charges shall have to be paid in favour of " WATER SUPPLY JHAGADIA NOTIFIED AREA " at Bank of Baroda - GIDC Jhagadia, Branch bearing ACCOUNT NO. 56070200000107 RTGS IFSC CODE: BARB0JHABHA , Water charges if not paid within stipulated date of payment will attract the Interest (12% per annum) and Penal Interest (3% per annum)
- Use of water beyond GPCB Consent is an offence. If found, the water supply will be disconnected without further notice and the same will be intimated to GPCB. Rivert if quantity considered is not true. \*
- The Effective Water Rate from 01/04/2024 is Rs. 53.90 Per KL + CSR Fund Rs.1.10 = Rs. 55.00
- The Management of water supply scheme is awarded to M/s Sachin Water Supply Co. Pvt. Ltd. For any complaint contact their representative on his Call No. +91-7600059722/23/24/25 & 7600059721; 97277 31065\_QR email: sachinwatersupply@gmail.com

OK  
 13/6/2024



# NOTIFIED AREA AUTHORITY GIDC JHAGADIA

Office of the Chief Officer NAA, GIDC, JHAGADIA  
Plot No. 40, Road No. 8, Near Pepsico Co. GIDC Jhagadia

CONSUMER COPY

## WATER BILL

Party Name : M/s. Aarti Industries Limited  
Address : 758/1,2,3

Plot No. 758/1,2,3  
Conn Given Qty 0.00

Category	INDUSTRIAL	Size (M.M.)	100	Conn No.	12
Bill No.	10Jun24	Bill Month	Jun-24	Bill Date	10-Jul-24

### Your Account Summary :-

Last Date :- 25-Jul-24

Total Outstanding Amount	Total Interest
0.00	0.00

This Month Charges	Total Amount Payable
1603745.00	1603745

Last Bill Pay Amount :- 1902780.00 0.00

Last Bill Pay Date :- 24-Jun-24

### This Month's Charges :-

Meter Status		Normal
Current Reading		633059
Previous Reading		603900
Consumption	0.00	29159
Rate / 1000 Ltr.		55.00
Normal Water Usage Charges	0.00	1603745.00
Excess Water Usage Charges		0.00
Fix Charges/Minimum		0.00
Penalty		0.00
Annexure Amt.		0.00
This Month's Charges :		1603745.00

### Your Account Details :-

Outstanding	0.00
Interest Rs	0.00
Penal Interest Rs	0.00
This Month Charges	1603745.00
Gross Amount	1603745.00
<b>Net Amount (Before Last Date)</b>	<b>1603745.00</b>
<b>Amount Payable After Last Date</b>	
Interest Rs	16037.45
Penal Interest Rs	4009.36
Gross Amount	1623791.81
<b>Net Amount After Last Date</b>	<b>1623792.00</b>

### Payment Details

Chief Officer  
NAA, G.I.D.C., Jhagadia

Payment Mode	Amount	Date	Cheque/D.D. No.	Date	Bank	Branch

### Bank Copy

Party Name	M/s. Aarti Industries Limited
Property	758/1,2,3
Bill No	10Jun24
Bill Date	10-Jul-24
Connection	12
Payable Before	25-Jul-24 1,603,745.00
Payable After	25-Jul-24 1,623,791.81
Payment Mode :	Chq/D.D. / Cash
Amount	Sixteen Lakh Three Thousand Seven Hundred Forty Five
in Words Rs.	
Receipt Date	
Chq/D.D. No.	Chq/D.D. Dt :
Bank	
Branch	
Contact No.	

### Water Supply JHG NA Copy

Party Name	M/s. Aarti Industries Limited
Property	758/1,2,3
Bill No	10Jun24
Bill Date	10-Jul-24
Connection	12
Payable Before	25-Jul-24 1,603,745.00
Payable After	25-Jul-24 1,623,791.81
Payment Mode :	Chq/D.D. / Cash
Amount	Sixteen Lakh Three Thousand Seven Hundred Forty Five
in Words Rs.	
Receipt Date	
Chq/D.D. No.	Chq/D.D. Dt :
Bank	
Branch	
Contact No.	

### Note :

- Water charges shall have to be paid in favour of " WATER SUPPLY JHAGADIA NOTIFIED AREA " at Bank of Baroda - GIDC Jhagadia, Branch bearing ACCOUNT NO. 56070200000107 RTGS IFSC CODE: BARB0JHABHA, Water charges if not paid within stipulated date of payment will attract the interest (12% per annum) and Penal interest (3% per annum)
- Use of water beyond GPCB Consent is an offence. If found, the water supply will be disconnected without further notice and the same will be intimated to GPCB Rvert if quantity considered is not true \*
- The Effective Water Rate from 01/04/2024 is Rs 53 90 Per KL + CSR Fund Rs 1 10 = Rs. 55.00
- The Management of water supply scheme is awarded to M/s Sachin Water Supply Co. Pvt. Ltd. For any complaint contact their representative on his Cell No. +91- 7600059722/23/24/25 & 7600059721, 97277 31065\_QR email: sachinwatersupply@gmail.com

*(Signature)*  
Chidrup



**NOTIFIED AREA AUTHORITY GIDC JHAGADIA**  
Office of the Chelf Officer NAA, GIDC, JHAGADIA  
Plot No. 40, Road No. 8, Near Pepsico Co. GIDC Jhagadia

CONSUMER COPY

**WATER BILL**

Party Name : M/s. Aarti Industries Limited  
Address : 758/1,2,3

Plot No. 758/1,2,3  
Conn Given Qty 0.00

Category	INDUSTRIAL	Size (M.M.)	100	Conn No.	12
Bill No.	10Jul24	Bill Month	Jul-24	Bill Date	08-Aug-24

**Your Account Summary :-**

Total Outstanding Amount	0.00	Total Interest	0.00	This Month Charges	947540.00	Total Amount Payable	947540
Last Bill Pay Amount :- 1603745.00				Last Bill Pay Date :- 24-Jul-24		Last Date :- 23-Aug-24	

**This Month's Charges :-**

Meter Status		Normal
Current Reading		850287
Previous Reading		633059
Consumption	0.00	17228
Rate / 1000 Ltr.		55.00
Normal Water Usage Charges	0.00	947540.00
Excess Water Usage Charges		0.00
Fix Charges/Minimum		0.00
Penalty		0.00
Annexure Amt.		0.00
<b>This Month's Charges :</b>		<b>947540.00</b>

**Your Account Details :-**

Outstanding	0.00
Interest Rs	0.00
Penal Interest Rs	0.00
This Month Charges	947540.00
Gross Amount	947540.00
<b>Net Amount (Before Last Date)</b>	<b>947540.00</b>
<b>Amount Payable After Last Date</b>	
Interest Rs	9475.40
Penal Interest Rs	2368.85
Gross Amount	959384.25
<b>Net Amount After Last Date</b>	<b>959384.00</b>

**Chelf Officer**

NAA, G.I.D.C., Jhagadia

Payment Details						
Payment Mode	Amount	Date	Cheque/D.D. No.	Date	Bank	Branch

**Bank Copy**

Party Name	M/s. Aarti Industries Limited	
Property	758/1,2,3	
Bill No	10Jul24	
Bill Date	08-Aug-24	
Connection	12	
Payable Before	23-Aug-24	947,540.00
Payable After	23-Aug-24	959,384.25
Payment Mode :	Chq/D.D. / Cash	
Amount	Nine Lakh Forty Seven Thousand Five Hundred Forty	
In Words Rs.		
Receipt Date		
Chq/D.D. No.	Chq/D.D. Dt :	
Bank		
Branch		
Contact No.		

**Water Supply JHG NA Copy**

Party Name	M/s. Aarti Industries Limited	
Property	758/1,2,3	
Bill No	10Jul24	
Bill Date	08-Aug-24	
Connection	12	
Payable Before	23-Aug-24	947,540.00
Payable After	23-Aug-24	959,384.25
Payment Mode :	Chq/D.D. / Cash	
Amount	Nine Lakh Forty Seven Thousand Five Hundred Forty	
In Words Rs.		
Receipt Date		
Chq/D.D. No.	Chq/D.D. Dt :	
Bank		
Branch		
Contact No.		

**Note :**

- Water charges shall have to be paid in favour of " WATER SUPPLY JHAGADIA NOTIFIED AREA " at Bank of Baroda - GIDC Jhagadia, Branch bearing ACCOUNT NO. 5607020000107 RTGS IFSC CODE: BARBOJHABHA .  
Water charges if not paid within stipulated date of payment will attract the interest (12% per annum) and Penal interest (3% per annum)
- Use of water beyond GPCB Consent is an offence. If found, the water supply will be disconnected without further notice and the same will be intimated to GPCB. Rivent if quantity considered is not true. \*
- The Effective Water Rate from 01/04/2024 is Rs. 53.90 Per KL + CSR Fund Rs.1.10 = Rs. 55.00
- The Management of water supply scheme is awarded to M/s Sachin Water Supply Co. Pvt. Ltd. For any complaint contact their representative on his Call No. +91- 7800059722/23/24/25 & 7800059721; 97277 31065\_QR email: sachinwatersupply@gmail.com



# NOTIFIED AREA AUTHORITY GIDC JHAGADIA

Office of the Chief Officer NAA, GIDC, JHAGADIA  
Plot No. 40, Road No. 8, Near Pepsico Co. GIDC Jhagadia

CONSUMER COPY

## WATER BILL

Party Name : M/s. Aarti Industries Limited  
Address : 758/1,2,3

Plot No. 758/1,2,3  
Conn Given Qty 0.00

Category INDUSTRIAL  
Bill No. 10Aug24

Size (M.M.) 100  
Bill Month Aug-24

Conn No. 12  
Bill Date 10-Sep-24

### Your Account Summary :-

Total Outstanding Amount  
947540.00

Total Interest  
9475.40

This Month Charges  
1898325.00

Last Date :- 25-Sep-24  
Total Amount Payable  
2855340

Last Bill Pay Amount :- 0.00 0.00

Last Bill Pay Date :-

### This Month's Charges :-

Meter Status		Normal
Current Reading		684802
Previous Reading		650287
Consumption	0.00	34515
Rate / 1000 Ltr.		55.00
Normal Water Usage Charges	0.00	1898325.00
Excess Water Usage Charges		0.00
Fix Charges/Minimum		0.00
Penalty		0.00
Annexure Amt.		0.00
This Month's Charges :		1898325.00

### Your Account Details :-

Outstanding	947540.00
Interest Rs	9475.40
Penal Interest Rs	0.00
This Month Charges	1898325.00
Gross Amount	2855340.40
Net Amount (Before Last Date)	2855340.00
Amount Payable After Last Date	
Interest Rs	28458.65
Penal Interest Rs	7114.66
Gross Amount	2890913.71
Net Amount After Last Date	2890914.00

### Payment Details

Chief Officer  
NAA, G.I.D.C., Jhagadia

Payment Mode	Amount	Date	Cheque/D.D. No.	Date	Bank	Branch

### Bank Copy

Party Name	M/s. Aarti Industries Limited	
Property	758/1,2,3	
Bill No	10Aug24	
Bill Date	10-Sep-24	
Connection	12	
Payable Before	25-Sep-24	2,855,340.40
Payable After	25-Sep-24	2,890,913.71
Payment Mode :	Chq/D.D. / Cash	
Amount	Twenty Eight Lakh Fifty Five Thousand Three Hundred Forty	
in Words Rs.	Twenty Eight Lakh Fifty Five Thousand Three Hundred Forty	
Receipt Date		
Chq/D.D. No.	Chq/D.D. Dt :	
Bank		
Branch		
Contact No.		

### Water Supply JHG NA Copy

Party Name	M/s. Aarti Industries Limited	
Property	758/1,2,3	
Bill No	10Aug24	
Bill Date	10-Sep-24	
Connection	12	
Payable Before	25-Sep-24	2,855,340.40
Payable After	25-Sep-24	2,890,913.71
Payment Mode :	Chq/D.D. / Cash	
Amount	Twenty Eight Lakh Fifty Five Thousand Three Hundred Forty	
in Words Rs.	Twenty Eight Lakh Fifty Five Thousand Three Hundred Forty	
Receipt Date		
Chq/D.D. No.	Chq/D.D. Dt :	
Bank		
Branch		
Contact No.		

### Note :

- Water charges shall have to be paid in favour of " WATER SUPPLY JHAGADIA NOTIFIED AREA " at Bank of Baroda - GIDC Jhagadia, Branch bearing ACCOUNT NO. 5607020000107 RTGS IFSC CODE: BARBOJHABHA, Water charges if not paid within stipulated date of payment will attract the interest (12% per annum) and Penal Interest (3% per annum)
- Use of water beyond GPCB Consent is an offence. If found, the water supply will be disconnected without further notice and the same will be intimated to GPCB. Rivot if quantity considered is not true. \*
- The Effective Water Rate from 01/04/2024 is Rs. 53.90 Per KL + CSR Fund Rs.1.10 = Rs. 55.00
- The Management of water supply scheme is awarded to M/s Sachin Water Supply Co. Pvt. Ltd. For any complaint contact their representative on his Cell No. +91- 7600059722/23/24/25 & 7600059721; 97277 31065\_OR email: sachinwatersupply@gmail.com

*(Signature)*



# NOTIFIED AREA AUTHORITY GIDC JHAGADIA

Office of the Chief Officer NAA, GIDC, JHAGADIA  
Plot No. 40, Road No. 8, Near Pepsico Co. GIDC Jhagadia

CONSUMER COPY

## WATER BILL

Party Name : M/s. Aarti Industries Limited  
Address : 758/1,2,3

Plot No. 758/1,2,3  
Conn Given Qty 0.00

Category INDUSTRIAL  
Bill No. 10\Sep\24

Size (M.M.) 100  
Bill Month Sep-24

Conn No. 12  
Bill Date 08-Oct-24

### Your Account Summary :-

Last Date :- 23-Oct-24

Total Outstanding Amount  
9475.00

Total Interest  
94.75

This Month Charges  
1218800.00

Total Amount Payable  
1228370

Last Bill Pay Amount :- 1898325.00 0.00

Last Bill Pay Date :- 16-Sep-24

### This Month's Charges :-

Meter Status Normal  
Current Reading 706962  
Previous Reading 684802  
Consumption 0.00 22160  
Rate / 1000 Ltr. 55.00  
Normal Water Usage Charges  0.00 1218800.00  
Excess Water Usage Charges  0.00  
Fix Charges/Minimum 0.00  
Penalty 0.00  
Annexure Amt. 0.00  
This Month's Charges : 1218800.00

### Your Account Details :-

Outstanding 9475.00  
Interest Rs 94.75  
Penal Interest Rs 0.00  
This Month Charges 1218800.00  
Gross Amount 1228370.15  
Net Amount (Before Last Date) 1228370.00  
**Amount Payable After Last Date**  
Interest Rs 12282.75  
Penal Interest Rs 3070.69  
Gross Amount 1243723.59  
Net Amount After Last Date 1243724.00

### Payment Details

Chief Officer  
NAA, G.I.D.C., Jhagadia

Payment Mode	Amount	Date	Cheque/D.D. No.	Date	Bank	Branch

### Bank Copy

Party Name M/s. Aarti Industries Limited  
Property 758/1,2,3  
Bill No 10\Sep\24  
Bill Date 08-Oct-24  
Connection 12  
Payable Before 23-Oct-24 1,228,370.15  
Payable After 23-Oct-24 1,243,723.59  
Payment Mode : Chq/D.D. / Cash  
Amount  
in Words Rs. Twelve Lakh Twenty Eight Thousand Three Hundred Seventy  
Receipt Date  
Chq/D.D. No. Chq/D.D. Dt :  
Bank  
Branch  
Contact No.

### Water Supply JHG NA Copy

Party Name M/s. Aarti Industries Limited  
Property 758/1,2,3  
Bill No 10\Sep\24  
Bill Date 08-Oct-24  
Connection 12  
Payable Before 23-Oct-24 1,228,370.15  
Payable After 23-Oct-24 1,243,723.59  
Payment Mode : Chq/D.D. / Cash  
Amount  
in Words Rs. Twelve Lakh Twenty Eight Thousand Three Hundred Seventy  
Receipt Date  
Chq/D.D. No. Chq/D.D. Dt :  
Bank  
Branch  
Contact No.

### Note :

- Water charges shall have to be paid in favour of " WATER SUPPLY JHAGADIA NOTIFIED AREA " at Bank of Baroda - GIDC Jhagadia, Branch bearing ACCOUNT NO. 5607020000107 RTGS IFSC CODE: BARBOJHABHA, Water charges if not paid within stipulated date of payment will attract the interest (12% per annum) and Penal interest (3% per annum)
- Use of water beyond GPCB Consent is an offence. If found, the water supply will be disconnected without further notice and the same will be intimated to GPCB Rvrt if quantity considered is not true \*
- The Effective Water Rate from 01/04/2024 is Rs. 53.90 Per KL + CSR Fund Rs.1.10 = Rs. 55.00
- The Management of water supply scheme is awarded to M/s Sachin Water Supply Co. Pvt. Ltd. For any complaint contact their representative on his Cell No. +91- 7600059722/23/24/25 & 7600059721; 97277 31065\_QR email: sachinwatersupply@gmail.com

*(Handwritten signatures and dates)*  
11/10/24

S. M. SAIYAD, IFS  
MEMBER SECRETARY  
SEIAA (GUJARAT)



Government of Gujarat

STATE LEVEL ENVIRONMENT  
IMPACT ASSESSMENT  
AUTHORITY  
GUJARAT

No. SEIAA/GUJ/EC/5(f)/693/2019

Date: 19 JUN 2019

BY R.P.A.D.

**Amendment to Environment Clearance Order No:- SEIAA/GUJ/EC/5(f)/81/2013 dated 22/04/2013.**

(Under the provision of Environmental Impact Assessment (EIA) Notification, 2006)

In exercise of the power conferred under the provision of Environmental Impact Assessment (EIA) Notification, 2006 under sub-rule (3) of Rule 5 of the Environment (Protection) Rules, 1986, the Environment Clearance granted to **M/s. Aarti Industries Limited (Unit-I) for expansion of Synthetic Organic Chemical manufacturing plant at Plot No. 758/1, 2 & 3, GIDC Estate, Jhagadia, Dist: Bharuch**, vide this office letter no. **SEIAA/GUJ/EC/5(f)/81/2013 dated 22/04/2013**, is being subjected to amendment for the following change in the project.

And whereas SEIAA has granted Environment Clearance vide office order letter no. **SEIAA/GUJ/EC/5(f)/81/2013 dated 22/04/2013**, under the provisions of the aforesaid Notification.

And whereas project proponent has applied for amendment in the environmental clearance vide their online application vide No. **SIA/GJ/IND2/33695/2013 dated 01/04/2019**. The project was scheduled for hearing in the SEAC meeting held on 24/04/2019.

The SEAC, Gujarat had recommended the project vide their letter dated 01/06/2019 to grant amendment in Environmental Clearance to the SEIAA, Gujarat based on the decision taken during SEAC meeting held on 24/04/2019. The proposal was considered by SEIAA, Gujarat in its meeting held on 03/06/2019 at Gandhinagar. After careful consideration, Environment Clearance order dated 22/04/2013 is hereby amended as under, subject to amendment with respect to changes in the planning of the project.

1. **Condition No. 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12** of the environmental clearance order no. **SEIAA/GUJ/EC/5(f)/81/2013 dated 22/04/2013** have been amended and shall be read as under:

**Condition No. 03 -** There shall be no effluent discharge and unit shall strictly adhere to Zero Liquid Discharge status after proposed expansion. The unit shall get its underground drainage connection disconnected before commencing the expanded production.

Unit shall receive additional effluent of 400.4 KLD from sister concern unit i.e. Aarti Industries Ltd (Unit-II) located at the adjoining plot for treatment and treated wastewater of 370 KLD shall be sent back to them for reuse in their premises.

**Condition No. 04 -** Total 616.4 KLD [216 KLD – Aarti Industries Limited (Unit-I) + 400.4 KLD Aarti Industries Limited (Unit-II)] shall be treated in common/combined ETP.

**Condition No. 05 -** Unit shall install combined ETP of adequate capacity consisting primary, secondary and tertiary treatment facilities followed by RO, MEE & ATFD.

**Condition No. 06 -** Entire quantity of effluent (616.4 KLD) shall be treated in the Combined ETP consisting of primary, secondary and tertiary treatment facilities followed by RO, MEE & ATFD.



- Condition No. 07 -** Out of 580 KLD of RO Permeate & MEE condensate; 370 KLD shall be send back to the sister concern unit i.e. Aarti Industries Ltd (Unit-II) located at the adjoining plot for reuse and remaining 210 KLD shall be reused within plant premises.
- Condition No. 08 -** Out of 284.4 KLD of total process effluent (91 KLD from Unit-I + 193.4 KLD from Unit-II); 66 KLD of effluent shall be treated by Fenton Treatment followed by MEE - 1 & ATFD - 1 and 218.4 KLD of effluent shall be treated in ETP. Treated effluent from ETP (218.4 KLD) and MEE -1 condensate (60 KLD) shall be mixed and further treated in RO 1, 2, 3, 4.
- Condition No. 09 -** Remaining 332 KLD of effluent from utilities (125 KLD from Unit-I + 207 KLD from Unit-II) shall be treated by desilication process followed by RO – 5, 6.
- Condition No. 10 -** RO reject of RO-1, 2, 3, 4, 5, 6 shall be subjected to MEE -, 2, 3, 4 followed by ATDF 2, 3, 4. Condensate of 123 KLD (MEE – 2, 3, 4) shall be mixed with RO permeate of 208 KLD (RO – 1, 2, 3, 4), RO permeate of 249 KLD (RO – 5, 6) for reuse. 210 KLD of treated water shall be reused in Unit-I and remaining 370 KLD shall be send to unit-II for reuse.
- Condition No. 11 -** The unit shall provide metering facility at the inlets and outlets of ETP, RO, MEE, ATFD, reuse, as well as inlet and outlet of effluent received from sister concern unit i.e. Aarti Industries Limited (Unit-II) located at the adjoining plot and maintain the records of the same.
- Condition No. 12 -** Proper Logbooks of ETP, RO plants, MEE & ATFD operations, chemical consumptions, quantity and quality reused within premises, power generations, as well as inlet and outlet of effluent received from sister concern unit i.e. Aarti Industries Limited (Unit-II) located at the adjoining plot, etc. shall be maintained and furnished to the GPCB from time to time.

2. The following additional Conditions shall be added in the environmental clearance order SEIAA/GUJ/EC/5(f)/81/2013 dated 22/04/2013 and shall be read as under:

- Unit shall install adequate capacity of combined STP for treatment of domestic waste water 43 KLD (5 KLD from Unit-I + 38 KLD from Unit-II). Treated sewage shall be utilized for gardening & plantation purpose within premises of Unit-I (13 KLD) and Unit-II (30 KLD).
- Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.
- Regular performance evaluation of the combined ETP shall be undertaken every year to check its adequacy, through a reputed institute/organization and its records shall be maintained.
- Additional Imported Coal to the tune of 0.2 MT/hr shall be used as fuel in the existing Boilers for steam requirement for proposed Multiple Effect Evaporators.
- Hazardous waste management shall be as under:

Sr. No.	Type of waste	Category	Quantity			HW Disposal Management Facility
			Existing	Proposed	Total	
1.	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	I-33.1	225.00 MT/Year	00	225.000 MT/Year	Collection, Storage, Transportation and Disposal by send it to authorized decontamination facility / recycler or reuse or send back to supplier.

2.	Chemical sludge from waste water treatment	I-35.3	1200.00 MT/Year (ETP Waste)	2880 MT/Year	4080 MT/Year	Collection, Storage, Treatment, Transportation and Dispose at TSDF at BEIL.
			270 MT/Year (MEE Waste)	50 MT/Year	320 MT/Year	
3.	Used or Spent Oil	I-5.1	2.300 MT/Year	00	2.300 MT/Year	Collection, Storage, and Reuse in plant and machineries or sell to authorized registered recyclers.
4.	Any process or distillation residue	I-36.1	480.000 MT/Year	00	480.000 MT/Year	Collection, Storage, Transportation and Dispose at common incinerator of BEIL/SEPPL.
5.	Ash from incinerator and flue gas cleaning residue	I-37.2	12.480 MT/Year	00	12.480 MT/Year	Collection, Storage, Transportation and Dispose at TSDF at BEIL.
6.	Spent Carbon or filter medium	I-36.2	40.800 MT/Year	00	40.800 MT/Year	Collection, Storage, Transportation and Dispose at common incinerator of BEIL/SEPPL.
7.	Inorganic Acids (Spent Acids)	II-B15	86400.000 MT/Year	00	86400.000 MT/Year	Collection, Storage, Transportation, Disposed through end user who has valid permission under Rule-9 of Hazardous and Other Waste (M&TBM) Rules-2016.
8.	Spent Catalyst	I-28.2	7.440 MT/Year	00	7.440 MT/Year	Collection, Storage, Transportation and Disposal by selling to authorized recycler for regeneration.
9.	Fly Ash	Z-Z14	7560.000 MT/Year	00	7560.000 MT/Year	Collection, Storage, Transportation and Disposal by selling to Brick Manufacturer or Cement Industry.

Rest of all the conditions of the Environment Clearance orders no **SEIAA/GUJ/EC/5(f)/81/2013** dated **22/04/2013** shall remain unchanged.

With regards,  
Yours sincerely,



S. M. SAIYAD  
Member Secretary

Issued to:

M/s. Aarti Industries Limited (Unit-I)  
C/o. Aarti Industries Limited (Organic Division)  
Plot No. 801/23, GIDC Estate,  
Phase- III, Vapi- 396195





**GUJARAT INDUSTRIAL DEVELOPMENT CORPORATION  
(A GOVT. OF GUJARAT UNDERTAKING)**

Office of the Dy. Executive Engineer  
Plot No. 40, Road No. 8, Near Pepsico co.  
GIDC Jhagadia  
Phone : (02645) 226154 Fax : (02645) 226009

No: GIDC/DEE/JHG/

254

Date:

19/6/12

**CERTIFICATE**

This is to certify that, The above Unit Visited on 31/05/2012. It is observed that M/s Aarti Industries Plot No. 758/1, 2, 3, GIDC Jhagadia has disconnected the Drainage Connection from 31/05/2012.

o/c

*Om*  
Dy. Executive Engineer  
GIDC Jhagadia

*ghab*  
*RAD*

To,  
M/s Aarti Industries  
Plot No. 758/1, 2, 3,  
GIDC Jhagadia.

*Rec'd by*  
*2/3/25/2012*



# AARTI INDUSTRIES LIMITED

(A Government Recognised Export House)

Unit - I

Factory :

Plot No. 758/1, 2 & 3, P. B. No. 23,

G.I.D.C., Jhagadia - 393 110.

Dist. Bharuch, Gujarat, INDIA.

Ph. No. : 02645 - 226178, 226277

02645 : 226278, 226279

Mob. : 9537011711, 9537011811

Fax No. : 02645 - 226178

To

Date : 26/06/2012

Sr Environment Engineer

GPCB

Gandhinagar

Sub: Zero Discharge

ID : 14855

Respected Sir ,

We have installed Equipments for Zero Discharge & have not discharged any Treated Effluent to FETP (NCTL) since 16<sup>th</sup> April , 2012 . We have also got Disconnection Certificate from GIDC , Jhagadia. We are enclosing the copy of the same for your ready reference .

This is for your information please . We request you to please keep our consented quantity in Safe Custody for future .

Thanking You

For Aarti Industries Limited

( Authorised Signatory )

Encl: As above

*Ph*  
*27/6/2012*

Gujarat Pollution Control Board

Sector- No. 10-A,

Gandhinagar-382010.

Regd. Office : Plot No. 801/23, G.I.D.C. Estate, Phase III, Vapi - 396 195.

Tel. : (0260) 2431366, 2400059, 2400158 Fax : (0260) 2401322

Admn. Office : Udyog Kshetra, 2nd Floor, Mulund, Goregaon Link Road, L.B.S. Marg, Mulund (West), Mumbai - 400 080.

Phone : (022) 25918195, 67976697, 67976666 Fax : (022) 25904806, 25653185, 67976687

## Jhagadia Unit-I EC

Government Site | MSDS | Literature | GPCB | GOV Lit | AIL | OCEMS | PDF | OM/Legislation | IMP Folders | 3M Ash Land EC | All Bookmarks

**PARIVESH**  
परिवेश  
"Pro Active and Responsive facilitation by Interactive, Virtuous and Environmental Singlewindow Hub"

Ministry of Environment, Forest and Climate Change  
Government of India  
env.pearl@aarti-industries.com | Logout



## Form for Uploading Compliance Report

Proposal No : IA/GJ/IND2/176792/2008

Proposal Name : M/s. Aarti Industries Limited (Unit-I)

Category : Industrial Projects - 2

MoEF File No. : SEIAA/GUJ/EC/5(F)/81/2013

## Compliance Letter/Report

Year of Compliance: -All Years-

Date of Compliance \*: Select

Remarks :

Upload Compliance Letter/Report \* Choose File No file chosen (.pdf only)

SUBMIT

Sno.	Proposal No.	Uploaded copy of Compliance report	Remarks	Uploaded Date	Delete
1	IA/GJ/IND2/176792/2008	113020204WJZWRCAartiIndustriestlimitedUnit-1_ECcomplianceReport-April20toSept-20.pdf	Aarti Industries Limited (Unit-I, Jhagadia) Six Monthly EC Compliance Report April 2020 to September 2020	30/11/2020	
2	IA/GJ/IND2/176792/2008	052620218NCF8E16UIFINAL-ECCOMPLIANCEREPORT.pdf	Aarti Industries Limited (Unit-I)-EC COMPLIANCE REPORT-October 2020 to March-2021	26/05/2021	
3	IA/GJ/IND2/176792/2008	1125202111045130ECCComplianceFinalU_1.pdf	Aarti industries Limited (Unit-I, Jhagadia) Six Monthly EC Compliance Report April 2021 to September 2021 *Third party Monitoring reports has not uploaded due to size concern.	25/11/2021	
4	IA/GJ/IND2/176792/2008	0530202277978370ECCompliance-(U-1).pdf	Aarti Industries Limited (Unit-I)-EC COMPLIANCE REPORT-October 2021 to March-2022	30/05/2022	
5	IA/GJ/IND2/176792/2008	0530202466202504UIECCompliancereportforOct-2023toMar-2024pdf.pdf	Aarti Industries Limited (Unit-I)-EC COMPLIANCE REPORT-October 2023 to March-2024	30/05/2024	



21<sup>st</sup> June 2024

AIL/JH/2024/ENV/068

XGN ID: 14855

To,

✓ The Unit Head,  
Environment Audit Cell,  
Gujarat Pollution Control Board,  
Paryavaran Bhavan, Sector – 10 A,  
Gandhinagar-382010

**Subject : Submission of Environment Audit Report for April 23 to March 24**

Respected Sir,

In reference to the above-mentioned subject, we are submitting herewith the Environment Audit Report for the period April 23 to March 24 in triplicate for Aarti Industries Limited (Unit-I) situated at Plot No: 758/1-2-3, GIDC Estate, Jhagadia. Audit has been carried out by Schedule-1 Auditor i.e Shree Dhanvantary College of Engineering & Technology.

Unit is ISO 14001:2015 certified, hence, made the payment of Rs. 10000/- through NEFT as an audit fee through Transaction No. YAXC2358766348 dated 21/06/2024. Payment receipt is enclosed herewith as **Annexure-1**.

We hope that the above is in order.

Thanking you,

Yours faithfully,

For, Aarti Industries Limited (Unit-I)

  
Authorized Signatory



**Enclosure :**

- Environment Audit Report-3 copies
- Environment audit fee payment receipt

**CC to :**

The Regional Office, GPCB Ankleshwar.

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

**NET Payment Receipt****PCB ID: 14855-Aarti Industries Ltd.**

Address : 758/1-2-3, , Jhagadia, Ankleshwar Pin : 393110

**Application: 3013(EAF)-dd/MM/yyyy**Payment Id      **538595**Payment Date    **21/06/2024**Paid Amount     **10000**Bank Details    **AXC-\*\*\***Transaction No   **YAXC2358766348**Status            **Success**Remarks         **Transaction Successful**Referance No    **3013**Type              **EAF-EAF-EAF**MIS Date         **-****Date : 22/06/2024**

EAR - APRIL 2023 TO MARCH 2024

M/S. AARTI INDUSTRIES LTD.

**ANNEXURE - 37****ENVIRONMENTAL MANAGEMENT SYSTEM ADEQUACY CERTIFICATE**

The Environmental audit scheme was introduced by the Hon. Gujarat High Court vide its order dated 20-12-1996 and 13-03-1997 and modified vide order dated 16-09-1999. We are appointed by the GPCB, Gandhinagar as recognized auditor for compliance of the direction of the Hon. High Court in this matter and have carried out the environmental audit of:

**a) M/S. AARTI INDUSTRIES LTD.**

Plot No. 758/1-2-3, GIDC Estate Jhagadia, Taluka: Jhagadia,  
Dist.- Bharuch- 393110, Gujarat, India

**b) Manufacturing products & by products as under:**

<b>NAME OF PRODUCTS &amp; CAPACITY WITH YIELD/PURITY PER DAY.</b>						
<b>B_1</b>	<b>Group Name</b>	<b>Product Name</b>	<b>Consented Quantity MTA</b>	<b>Actual Production MTA</b>	<b>Actual Production MT/Day</b>	<b>Yield/Purity per Day</b>
1	Group- A	Mono nitro derivatives of Benzene & Chlorobenzene	72000	64784.799	177.01	NA
2	Group- B	Dinitro Derivatives of Benzene & MCB	36000	9490.949	25.93	NA
3	Group- C	Di Ethyl Sulphate	1200	0.000	0.00	NA
4	Group- D	Hydrogenated Products	60000	16361.230	44.70	NA
5	Group- E	Only Physical Separation of o/p/m Chloro Toluene	5400	0.000	0.00	NA
6	Group- F	Only Physical Separation of 2,3 DCNB, 3,4 DCNB	6600	2088.005	5.70	NA
7	Co-generation power plant (MWH)		4.5	3.725	3.725	NA

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

<b>Sr. No.</b>	<b>Waste water</b>	<b>Contest Limit</b>	<b>Status</b>
1.	Industrial Effluent	436.84 KL/Day	<b>190.99 KL/Day</b>
2.	<b>Details of Air Emission Boiler Stack</b>		<b>Adequate</b>

DETAILS OF HAZARDOUS/SOLID WASTE GENERATION				
Sr. No.	Waste Description	Consented Quantity in MT	Applied for Consent Amendment	Generated Quantity in MT
1	Empty barrels/ containers/ liners contaminated with hazardous chemicals/ wastes	225.00	225.00	212.450
2	Chemical sludge from wastewater treatment	2800.00	3500.00	3993.400
3	Used or Spent Oil	2.30	19.30	4.163
4	Any Process or Distillation Residue	480.00	2280.00	1788.207
5	Spent carbon or filter medium	40.80	40.80	24.160
6	Inorganic Acids (Spent Acids)	86400.00	86400.00	55051.540
7	Spent Catalyst	7.44	12.44	0.908
8	Fly Ash	7560.00	12560.00	9266.489
9	Insulation waste/Thermocol	80.00	120.00	60.480
<b>Total Sludge Generation in MT</b>		3993.40		
<b>Total Production in MT</b>		92724.98		
<b>Sludge Generation Per Tone of product</b>		0.043		

This certificate is valid for audit period (APRIL 2023 –MARCH 2024) only. However, it is subjected to automatic cancellation in case of any change in product profile/capacity, quality & quantity of effluents (Air + Wastewater + Solid waste) and efficiency of EMS equipment.

**NAME & ADDRESS OF THE AUDITOR:**

**Environment Audit Lab  
Shree Dhanvantary College of Engineering & Technology  
Dhanvantary campus, Near Kim Railway station  
Dist: surat -394110**

*Urvashi*  
**Mrs. Limbachiya Urvashi**  
(Chemical Engineer)

**SIGNATURE OF THE AUTHORIZED PERSON**

*Kinjal*  
**Mrs. Kinjal Patel**  
(Environmental Engineer)  
**Environmental Audit Lab**

**MS.URVASHI LIMBACHIYA**  
Lab Head



*Urvashi*

Date: 31/05/24  
Place: SURAT


 QCI-NABET Accredited EIA  
 Consultant Organization

 GPCB Recognized Environmental  
 Auditor (Schedule-11)

 ISO 9001 : 2015  
 Certified Company

 ISO 45001 : 2018  
 Certified Company

**TEST REPORT  
 STACK MONITORING**

<b>ULR - TC775324000010087F</b>			
<b>Test Report No.</b>	<b>URA/24/09/AIL-J/S-027</b>	<b>Report Issue Date:</b>	03/10/2024
<b>Service Request form No.</b>	URA/SRF/09/027	<b>Service Request Date.:</b>	14/09/2024
<b>Sample ID No.</b>	URA/ID/S-24/09/027	<b>Field Data Sheet No.:</b>	URA/FDS/S-24/09/027
<b>Name &amp; Add. of Customer</b>	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
<b>Date of Sampling</b>	14/09/2024	<b>Date of Testing</b>	15/09/2024
<b>Stack Sampling Attached to</b>	<b>DG Set 1 (1010 KVA)</b>		
<b>Air Pollution Control Device</b>	--		
<b>Fuel Used</b>	<b>HSD</b>		

**Details of Instrument Used for Monitoring**

<b>Instrument Id No.</b>	<b>UERL/AIR/SMK/01</b>		
<b>Inst. Name:</b>	<b>Stack Monitoring Kit, VSS1</b>	<b>Serial Number:</b>	<b>467 DTJ 15</b>
<b>Cali. Date:</b>	<b>19/06/2024</b>	<b>Next Cali. Due On:</b>	<b>18/06/2025</b>

**General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m <sup>2</sup>	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	13.4
7.	Exit Gas Flow	Nm <sup>3</sup> /h	2324.9

**Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm <sup>3</sup>	70.2	<b>150</b>	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	<b>100</b>	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	39.2	<b>50</b>	IS 11255 (Part 7)

**Note:** 1) GPCB Limit Provided by Client as per Consent Order No. AWH-119699

<b>Remarks:</b>
<b>Opinion &amp; Interpretation (if required):</b> BDL: Below Detection Limit

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

**Checked By:**
  
**Nikunj D. Patel**  
 (Chemist)

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

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**STACK MONITORING**

<b>Test Report No.</b>	<b>URA/24/09/AIL-J/S-027</b>	<b>Report Issue Date:</b>	03/10/2024
<b>Service Request form No.</b>	URA/SRF/09/027	<b>Service Request Date.:</b>	14/09/2024
<b>Sample ID No.</b>	URA/ID/S-24/09/027	<b>Field Data Sheet No.:</b>	URA/FDS/S-24/09/027
<b>Name &amp; Add. of Customer</b>	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
<b>Date of Sampling</b>	14/09/2024	<b>Date of Testing</b>	15/09/2024
<b>Stack Sampling Attached to</b>	<b>DG Set 1 (1010 KVA)</b>		
<b>Air Pollution Control Device</b>	--		
<b>Fuel Used</b>	<b>HSD</b>		

➤ **Details of Instrument Used for Monitoring**

<b>Instrument Id No.</b>	<b>UERL/AIR/SMK/01</b>		
<b>Inst. Name:</b>	<b>Stack Monitoring Kit, VSS1</b>	<b>Serial Number:</b>	<b>467 DTJ 15</b>
<b>Cali. Date:</b>	<b>19/06/2024</b>	<b>Next Cali. Due On:</b>	<b>18/06/2025</b>

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m <sup>2</sup>	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	13.4
7.	Exit Gas Flow	Nm <sup>3</sup> /h	2324.9

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Volatile Organic Compound	ppm	4.4	--	By TVOC Meter

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit

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

**Checked By:**

  
**Nikunj D. Patel**  
(Chemist)

**Authorized By:**

  
**Jaivik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

## TEST REPORT STACK MONITORING

<b>ULR - TC775324000010088F</b>			
Test Report No.	URA/24/09/AIL-J/S-028	Report Issue Date:	03/10/2024
Service Request form No.	URA/SRF/09/028	Service Request Date.:	14/09/2024
Sample ID No.	URA/ID/S-24/09/028	Field Data Sheet No.:	URA/FDS/S-24/09/028
Name & Add. of Customer	M/s. Aarti Industries Limited. Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Date of Sampling	14/09/2024	Date of Testing	15/09/2024
Stack Sampling Attached to	DG Set 2 (1010 KVA)		
Air Pollution Control Device	--		
Fuel Used	HSD		

### Details of Instrument Used for Monitoring

Instrument Id No.	UERL/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

### General Stack Observation

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m <sup>2</sup>	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	12.8
7.	Exit Gas Flow	Nm <sup>3</sup> /h	2220.8

### Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm <sup>3</sup>	69.6	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	41.6	50	IS 11255 (Part 7)

Note: 1) GPCB Limit Provided by Client as per Consent Order No. AWH-119699

<b>Remarks:</b>
<b>Opinion &amp; Interpretation (if required):</b> BDL: Below Detection Limit

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

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**STACK MONITORING**

<b>Test Report No.</b>	<b>URA/24/09/AIL-J/S-028</b>	<b>Report Issue Date:</b>	03/10/2024
<b>Service Request form No.</b>	URA/SRF/09/028	<b>Service Request Date.:</b>	14/09/2024
<b>Sample ID No.</b>	URA/ID/S-24/09/028	<b>Field Data Sheet No.:</b>	URA/FDS/S-24/09/028
<b>Name &amp; Add. of Customer</b>	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
<b>Date of Sampling</b>	14/09/2024	<b>Date of Testing</b>	15/09/2024
<b>Stack Sampling Attached to</b>	<b>DG Set 2 (1010 KVA)</b>		
<b>Air Pollution Control Device</b>	--		
<b>Fuel Used</b>	<b>HSD</b>		

➤ **Details of Instrument Used for Monitoring**

<b>Instrument Id No.</b>	<b>UERL/AIR/SMK/01</b>		
<b>Inst. Name:</b>	<b>Stack Monitoring Kit, VSS1</b>	<b>Serial Number:</b>	<b>467 DTJ 15</b>
<b>Cali. Date:</b>	<b>19/06/2024</b>	<b>Next Cali. Due On:</b>	<b>18/06/2025</b>

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m <sup>2</sup>	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	12.8
7.	Exit Gas Flow	Nm <sup>3</sup> /h	2220.8

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Volatile Organic Compound	ppm	3.2	--	By TVOC Meter

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit

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

**Checked By:**

  
**Nikunj D. Patel**  
(Chemist)

**Authorized By:**

  
**Jaivik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**STACK MONITORING**

ULR - TC775324000010089F			
Test Report No.	URA/24/09/AIL-J/S-029	Report Issue Date:	03/10/2024
Service Request form No.	URA/SRF/09/029	Service Request Date.:	14/09/2024
Sample ID No.	URA/ID/S-24/09/029	Field Data Sheet No.:	URA/FDS/S-24/09/029
Name & Add. of Customer	M/s. Aarti Industries Limited. Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Date of Sampling	14/09/2024	Date of Testing	15/09/2024
Stack Sampling Attached to	DG Set 3 (1010 KVA)		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m <sup>2</sup>	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	13.2
7.	Exit Gas Flow	Nm <sup>3</sup> /h	2290.2

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm <sup>3</sup>	71.9	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.6	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	38.4	50	IS 11255 (Part 7)

**Note:** 1) GPCB Limit Provided by Client as per Consent Order No. AWH-119699

<b>Remarks:</b>
<b>Opinion &amp; Interpretation (if required):</b> BDL: Below Detection Limit

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

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**STACK MONITORING**

<b>Test Report No.</b>	<b>URA/24/09/AIL-J/S-029</b>	<b>Report Issue Date:</b>	03/10/2024
<b>Service Request form No.</b>	URA/SRF/09/029	<b>Service Request Date.:</b>	14/09/2024
<b>Sample ID No.</b>	URA/ID/S-24/09/029	<b>Field Data Sheet No.:</b>	URA/FDS/S-24/09/029
<b>Name &amp; Add. of Customer</b>	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
<b>Date of Sampling</b>	14/09/2024	<b>Date of Testing</b>	15/09/2024
<b>Stack Sampling Attached to</b>	<b>DG Set 3 (1010 KVA)</b>		
<b>Air Pollution Control Device</b>	--		
<b>Fuel Used</b>	<b>HSD</b>		

➤ **Details of Instrument Used for Monitoring**

<b>Instrument Id No.</b>	<b>UERL/AIR/SMK/01</b>		
<b>Inst. Name:</b>	<b>Stack Monitoring Kit, VSS1</b>	<b>Serial Number:</b>	<b>467 DTJ 15</b>
<b>Cali. Date:</b>	<b>19/06/2024</b>	<b>Next Cali. Due On:</b>	<b>18/06/2025</b>

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m <sup>2</sup>	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	13.2
7.	Exit Gas Flow	Nm <sup>3</sup> /h	2290.2

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Volatile Organic Compound	ppm	4.6	--	By TVOC Meter

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit

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

**Checked By:**

  
**Nikunj D. Patel**  
(Chemist)

**Authorized By:**

  
**Jaivik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**STACK MONITORING**

ULR - TC775324000010090F			
Test Report No.	URA/24/09/AIL-J/S-030	Report Issue Date:	03/10/2024
Service Request form No.	URA/SRF/09/030	Service Request Date.:	14/09/2024
Sample ID No.	URA/ID/S-24/09/030	Field Data Sheet No.:	URA/FDS/S-24/09/030
Name & Add. of Customer	M/s. Aarti Industries Limited. Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Date of Sampling	14/09/2024	Date of Testing	15/09/2024
Stack Sampling Attached to	DG Set 4 (1010 KVA)		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m <sup>2</sup>	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	128
6.	Exit Gas Velocity	m/s	12.6
7.	Exit Gas Flow	Nm <sup>3</sup> /h	2186.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm <sup>3</sup>	76.2	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	31.7	50	IS 11255 (Part 7)

**Note:** 1) GPCB Limit Provided by Client as per Consent Order No. AWH-119699

<b>Remarks:</b>
<b>Opinion &amp; Interpretation (if required):</b> BDL: Below Detection Limit

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

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**STACK MONITORING**

<b>Test Report No.</b>	<b>URA/24/09/AIL-J/S-030</b>	<b>Report Issue Date:</b>	03/10/2024
<b>Service Request form No.</b>	URA/SRF/09/030	<b>Service Request Date.:</b>	14/09/2024
<b>Sample ID No.</b>	URA/ID/S-24/09/030	<b>Field Data Sheet No.:</b>	URA/FDS/S-24/09/030
<b>Name &amp; Add. of Customer</b>	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
<b>Date of Sampling</b>	14/09/2024	<b>Date of Testing</b>	15/09/2024
<b>Stack Sampling Attached to</b>	<b>DG Set 4 (1010 KVA)</b>		
<b>Air Pollution Control Device</b>	--		
<b>Fuel Used</b>	<b>HSD</b>		

➤ **Details of Instrument Used for Monitoring**

<b>Instrument Id No.</b>	<b>UERL/AIR/SMK/01</b>		
<b>Inst. Name:</b>	<b>Stack Monitoring Kit, VSS1</b>	<b>Serial Number:</b>	<b>467 DTJ 15</b>
<b>Cali. Date:</b>	<b>19/06/2024</b>	<b>Next Cali. Due On:</b>	<b>18/06/2025</b>

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m <sup>2</sup>	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	128
6.	Exit Gas Velocity	m/s	12.6
7.	Exit Gas Flow	Nm <sup>3</sup> /h	2186.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Volatile Organic Compound	ppm	3.1	--	By TVOC Meter

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit

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

**Checked By:**

  
**Nikunj D. Patel**  
(Chemist)

**Authorized By:**

  
**Jaivik S. Tandel**  
(Manager - Operations)

**FORM NO. 37**  
**(Prescribed under Rule 12-B)**

Register Containing Particulars of monitoring of working environment required under Section 7-A (2) (e).

1. Name of Department/Plant.
2. Raw materials, by products and finished products involved in the process.
3. Particulars of sampling.

Sr. No. अंश नं०	Location operation monitored स्थान	Identified contaminate प्रदूषक-नी वि०	Sampling Instrument used इस साधन	Airborne Contamination			
				Number of Samples नमूनों नं०	Range रेण	Average औसत	
1	2	3	4	5	6	7	
21/05/24	TOLUENE TANKER UNLOADING POINT	TOLUENE	VOC	01	0.2 PPM	}	
2	TOLUENE TANKER PUMP	TOLUENE	VOC	01	0.2 PPM		0.2 PPM
3	TOLUENE TANK VENT	TOLUENE	VOC	01	0.1 PPM		
23/9/24	TOLUENE TANKER UNLOADING POINT	TOLUENE	VOC	01	0.4 PPM	}	
2	TOLUENE TANKER PUMP	TOLUENE	VOC	01	0.5 PPM		0.4 PPM
3	TOLUENE TANK VENT	TOLUENE	VOC	01	0.6 PPM		

फॉर्म नं० ३७  
रूल १२-बी मु०

प्रदूषक नीवारण अंगेजु रजिस्टर

TWA concentrations (As given in Second Schedule)	Reference method रेफरन्स	Number of workers exposed at the location being monitored कामेरेनी संख्या	Remarks विशेष नोट	Signature person taking sample नमूने बड करार व्यक्तिनी सही	Name (In Block Letters) नाम
8	9	10	11	12	13
100 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		PRANOD
100 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		PRANOD
100 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		PRANOD
100 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		PRANOD
100 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		PRANOD
100 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		PRANOD

**FORM NO. 37**  
**(Prescribed under Rule 12-B)**

Register Containing Particulars of monitoring of working environment required under Section 7-A (2) (e).  
1. Name of Department/Plant. CHILLING PLANT & OLD H<sub>2</sub> PLANT  
2. Raw materials, by products and finished products involved in the process. AMMONIA  
3. Particulars of sampling. AMMONIA

Sr. No. क्र. नं. नं.	Location operation monitored स्थान	Identified contaminate प्रदूषक-नी विवरण	Sampling instrument used यंत्र साधन	Airborne Contamination		
				Number of Samples नमूनों नं.	Range रेंज	Average औसत
1	2	3	4	5	6	7
1	CHILLING COMP-1	AMMONIA	VOC	01	0.6 PPM	0.5 PPM
2	CHILLING COMP-2	AMMONIA	VOC	01	0.5 PPM	
3	CHILLING COMP-3	AMMONIA	VOC	01	0.5 PPM	
4	BUSS-II G/F NEAR LEWA RM DRESSING PLUMP	AMMONIA	VOC	01	0.5 PPM	
5	BUSS I G/F NEAR VENT HOLE TANK	AMMONIA	VOC	01	0.6 PPM	

फॉर्म नं. 37  
उत्तर-प्री मुद्रण

प्रदूषण निवारण अंशे रजिस्टर

TWA concentrations (As given in Second Schedule)	Reference method रेफरेंस	Number of workers exposed at the location being monitored स्थान-नी संख्या	Remarks टिप्पणी	Signature person taking sample नमूने लेते हुए का हस्ताक्षर	Name (In Block Letters) नाम
8	9	10	11	12	13
25 PPM	DIGITAL PID SENSOR	02	WITH IN RANGE		DRAMOD
25 PPM	DIGITAL PID SENSOR	02	WITH IN RANGE		DRAMOD
25 PPM	DIGITAL PID SENSOR	02	WITH IN RANGE		DRAMOD
25 PPM	DIGITAL PID SENSOR	03	WITH IN RANGE		DRAMOD
25 PPM	DIGITAL PID SENSOR	02	WITH IN RANGE		DRAMOD



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010013F</b>				
Test Report No.:	URA/24/09/AIL-J/A-001	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/001	Service Request Date	02/09/2024	
Sample ID No.:	URA/ID/A-24/09/001	Field Data Sheet No.	URA/FDS/A-24/09/001	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	02/09/2024	Date of Testing	03/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Main Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 30 °C	<b>Avg.:</b> 28 °C
	Rel. Humidity:	Min.: 94 %	Max.: 99 %	<b>Avg.:</b> 98 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.05
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.14
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1645.0
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	86.6	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	32.8	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	15.8	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	18.3	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	6.8	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	8.1	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

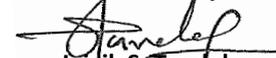
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

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

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-001	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/001	Service Request Date	02/09/2024
Sample ID No.:	URA/ID/A-24/09/001	Field Data Sheet No.	URA/FDS/A-24/09/001
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	02/09/2024	Date of Testing	03/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Main Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 30 °C
	Rel. Humidity:	Min.: 94 %	Max.: 99 %
		<b>Avg.:</b> 28 °C	<b>Avg.:</b> 98 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.05
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.14
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1645.0
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	17.8	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010014F</b>				
Test Report No.:	URA/24/09/AIL-J/A-002	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/002	Service Request Date	02/09/2024	
Sample ID No.:	URA/ID/A-24/09/002	Field Data Sheet No.	URA/FDS/A-24/09/002	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	02/09/2024	Date of Testing	03/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 30 °C	<b>Avg.:</b> 28 °C
	Rel. Humidity:	Min.: 94 %	Max.: 99 %	<b>Avg.:</b> 98 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.51
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1735.3
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.6

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	76.3	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.5	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.9	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	25	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	3.2	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-002	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/002	Service Request Date	02/09/2024
Sample ID No.:	URA/ID/A-24/09/002	Field Data Sheet No.	URA/FDS/A-24/09/002
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	02/09/2024	Date of Testing	03/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 30 °C
	Rel. Humidity:	Min.: 94 %	Max.: 99 %
		<b>Avg.:</b> 28 °C	<b>Avg.:</b> 98 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.51
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1735.3
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.6

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	26.3	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT  
(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010015F</b>				
Test Report No.:	URA/24/09/AIL-J/A-003	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/003	Service Request Date	02/09/2024	
Sample ID No.:	URA/ID/A-24/09/003	Field Data Sheet No.	URA/FDS/A-24/09/003	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	02/09/2024	Date of Testing	03/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 30 °C	<b>Avg.:</b> 28 °C
	Rel. Humidity:	Min.: 94 %	Max.: 99 %	<b>Avg.:</b> 98 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.58
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.10
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1622.3
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.6

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	94.2	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	34.1	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.8	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	20.7	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	12.7	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

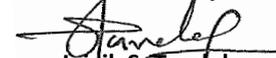
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-003	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/003	Service Request Date	02/09/2024
Sample ID No.:	URA/ID/A-24/09/003	Field Data Sheet No.	URA/FDS/A-24/09/003
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	02/09/2024	Date of Testing	03/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 30 °C
	Rel. Humidity:	Min.: 94 %	Max.: 99 %
		<b>Avg.:</b> 28 °C	<b>Avg.:</b> 98 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.58
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.10
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1622.3
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.6

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	17.4	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010019F</b>				
Test Report No.:	URA/24/09/AIL-J/A-007	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/007	Service Request Date	05/09/2024	
Sample ID No.:	URA/ID/A-24/09/007	Field Data Sheet No.	URA/FDS/A-24/09/007	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3,0020 GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	05/09/2024	Date of Testing	06/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Main Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 31 °C	<b>Avg.:</b> 28 °C
	Rel. Humidity:	Min.: 90 %	Max.: 99 %	<b>Avg.:</b> 97 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.29
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1719.7
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.3

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	72.1	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	21.4	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	21.5	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	22.9	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-007	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/007	Service Request Date	05/09/2024
Sample ID No.:	URA/ID/A-24/09/007	Field Data Sheet No.	URA/FDS/A-24/09/007
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	05/09/2024	Date of Testing	06/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Main Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 31 °C
	Rel. Humidity:	Min.: 90 %	Max.: 99 %
		<b>Avg.:</b> 28 °C	<b>Avg.:</b> 97 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.29
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1719.7
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.3

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010020F</b>				
Test Report No.:	URA/24/09/AIL-J/A-008	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/008	Service Request Date	05/09/2024	
Sample ID No.:	URA/ID/A-24/09/008	Field Data Sheet No.	URA/FDS/A-24/09/008	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	05/09/2024	Date of Testing	06/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 31 °C	<b>Avg.:</b> 28 °C
	Rel. Humidity:	Min.: 90 %	Max.: 99 %	<b>Avg.:</b> 97 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.02
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.12
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1614.1
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	85.2	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	38.6	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.3	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	20.3	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	8.7	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	10.6	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	2.5	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-008	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/008	Service Request Date	05/09/2024
Sample ID No.:	URA/ID/A-24/09/008	Field Data Sheet No.	URA/FDS/A-24/09/008
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	05/09/2024	Date of Testing	06/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 31 °C
	Rel. Humidity:	Min.: 90 %	Max.: 99 %
		<b>Avg.:</b> 28 °C	<b>Avg.:</b> 97 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.02
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.12
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1614.1
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.1

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	17.9	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010021F</b>				
Test Report No.:	URA/24/09/AIL-J/A-009	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/009	Service Request Date	05/09/2024	
Sample ID No.:	URA/ID/A-24/09/009	Field Data Sheet No.	URA/FDS/A-24/09/009	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	05/09/2024	Date of Testing	06/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 31 °C	<b>Avg.:</b> 28 °C
	Rel. Humidity:	Min.: 90 %	Max.: 99 %	<b>Avg.:</b> 97 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.09
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.07
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1546.6
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	88.6	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	30.7	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20.2	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	24	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	6.5	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	4.1	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

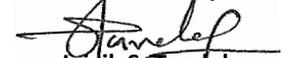
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-009	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/009	Service Request Date	05/09/2024
Sample ID No.:	URA/ID/A-24/09/009	Field Data Sheet No.	URA/FDS/A-24/09/009
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	05/09/2024	Date of Testing	06/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 26 °C	Max.: 31 °C
	Rel. Humidity:	Min.: 90 %	Max.: 99 %
		<b>Avg.:</b> 28 °C	<b>Avg.:</b> 97 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.09
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.07
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1546.6
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	26.7	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-013	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/013	Service Request Date	09/09/2024
Sample ID No.:	URA/ID/A-24/09/013	Field Data Sheet No.	URA/FDS/A-24/09/013
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	09/09/2024	Date of Testing	10/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Main Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C
	Rel. Humidity:	Min.: 88 %	Max.: 99 %
		<b>Avg.:</b> 29 °C	<b>Avg.:</b> 96 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.36
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.20
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1753.9
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010026F</b>				
Test Report No.:	URA/24/09/AIL-J/A-014	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/014	Service Request Date	09/09/2024	
Sample ID No.:	URA/ID/A-24/09/014	Field Data Sheet No.	URA/FDS/A-24/09/014	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	09/09/2024	Date of Testing	10/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C	<b>Avg.:</b> 29 °C
	Rel. Humidity:	Min.: 88 %	Max.: 99 %	<b>Avg.:</b> 96 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.29
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.19
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1734.3
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.3

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	86.1	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	25.1	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.6	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	23.8	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

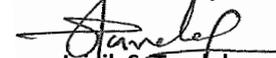
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-014	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/014	Service Request Date	09/09/2024
Sample ID No.:	URA/ID/A-24/09/014	Field Data Sheet No.	URA/FDS/A-24/09/014
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	09/09/2024	Date of Testing	10/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C
	Rel. Humidity:	Min.: 88 %	Max.: 99 %
		<b>Avg.: 29 °C</b>	<b>Avg.: 96 %</b>

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.29
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.19
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1734.3
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.3

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	26.5	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010027F</b>				
Test Report No.:	URA/24/09/AIL-J/A-015	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/015	Service Request Date	09/09/2024	
Sample ID No.:	URA/ID/A-24/09/015	Field Data Sheet No.	URA/FDS/A-24/09/015	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	09/09/2024	Date of Testing	10/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C	<b>Avg.:</b> 29 °C
	Rel. Humidity:	Min.: 88 %	Max.: 99 %	<b>Avg.:</b> 96 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.06
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1703.4
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	79.2	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	24.1	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	16.8	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	17.4	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	6.8	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

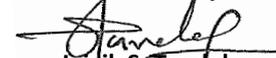
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-015	Report Issue Date	03/10/2024		
Service Request form No.:	URA/SRF/09/015	Service Request Date	09/09/2024		
Sample ID No.:	URA/ID/A-24/09/015	Field Data Sheet No.	URA/FDS/A-24/09/015		
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.				
Dates of Sampling :	09/09/2024	Date of Testing	10/09/2024		
Sampling Procedure:	As per CPCB Guidelines				
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>				
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C	<b>Avg.: 29 °C</b>	
	Rel. Humidity:	Min.: 88 %	Max.: 99 %	<b>Avg.: 96 %</b>	

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.06
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1703.4
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.1

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010031F</b>				
Test Report No.:	URA/24/09/AIL-J/A-019	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/019	Service Request Date	12/09/2024	
Sample ID No.:	URA/ID/A-24/09/019	Field Data Sheet No.	URA/FDS/A-24/09/019	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	12/09/2024	Date of Testing	13/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Main Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C	<b>Avg.:</b> 29 °C
	Rel. Humidity:	Min.: 85 %	Max.: 99 %	<b>Avg.:</b> 94 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.38
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.07
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1565.2
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	83.2	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	38.5	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20.4	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	23.2	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	10.3	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	4	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

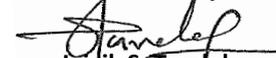
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-019	Report Issue Date	03/10/2024		
Service Request form No.:	URA/SRF/09/019	Service Request Date	12/09/2024		
Sample ID No.:	URA/ID/A-24/09/019	Field Data Sheet No.	URA/FDS/A-24/09/019		
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.				
Dates of Sampling :	12/09/2024	Date of Testing	13/09/2024		
Sampling Procedure:	As per CPCB Guidelines				
Location of Sampling / Monitoring:	<b>Near Main Gate</b>				
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C	<b>Avg.: 29 °C</b>	
	Rel. Humidity:	Min.: 85 %	Max.: 99 %	<b>Avg.: 94 %</b>	

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.38
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.07
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1565.2
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	26.3	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010032F</b>				
Test Report No.:	URA/24/09/AIL-J/A-020	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/020	Service Request Date	12/09/2024	
Sample ID No.:	URA/ID/A-24/09/020	Field Data Sheet No.	URA/FDS/A-24/09/020	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	12/09/2024	Date of Testing	13/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C	<b>Avg.:</b> 29 °C
	Rel. Humidity:	Min.: 85 %	Max.: 99 %	<b>Avg.:</b> 94 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	23.99
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.09
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1568.9
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	87.2	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	45.4	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	24.7	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	27.4	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	12.2	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	15.5	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	4.1	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

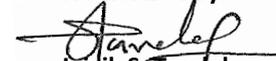
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-020	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/020	Service Request Date	12/09/2024
Sample ID No.:	URA/ID/A-24/09/020	Field Data Sheet No.	URA/FDS/A-24/09/020
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	12/09/2024	Date of Testing	13/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C
	Rel. Humidity:	Min.: 85 %	Max.: 99 %
		<b>Avg.:</b> 29 °C	<b>Avg.:</b> 94 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	23.99
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.09
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1568.9
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	17.9	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT  
(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010033F</b>				
Test Report No.:	URA/24/09/AIL-J/A-021	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/021	Service Request Date	12/09/2024	
Sample ID No.:	URA/ID/A-24/09/021	Field Data Sheet No.	URA/FDS/A-24/09/021	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	12/09/2024	Date of Testing	13/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C	<b>Avg.:</b> 29 °C
	Rel. Humidity:	Min.: 85 %	Max.: 99 %	<b>Avg.:</b> 94 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.08
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.17
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1690.4
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	78.6	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	39.0	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20.7	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	24	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	13.8	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

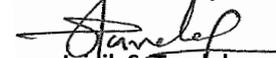
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-021	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/021	Service Request Date	12/09/2024
Sample ID No.:	URA/ID/A-24/09/021	Field Data Sheet No.	URA/FDS/A-24/09/021
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	12/09/2024	Date of Testing	13/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C
	Rel. Humidity:	Min.: 85 %	Max.: 99 %
		<b>Avg.:</b> 29 °C	<b>Avg.:</b> 94 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.08
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.17
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1690.4
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.1

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	26.7	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010037F</b>				
Test Report No.:	URA/24/09/AIL-J/A-025	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/025	Service Request Date	16/09/2024	
Sample ID No.:	URA/ID/A-24/09/025	Field Data Sheet No.	URA/FDS/A-24/09/025	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	16/09/2024	Date of Testing	17/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Main Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C	<b>Avg.:</b> 29 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.38
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.15
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1682.2
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	84.2	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	25.8	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	19.9	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-025	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/025	Service Request Date	16/09/2024
Sample ID No.:	URA/ID/A-24/09/025	Field Data Sheet No.	URA/FDS/A-24/09/025
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	16/09/2024	Date of Testing	17/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Main Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %
		<b>Avg.:</b> 29 °C	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.38
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.15
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1682.2
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	17.6	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010038F</b>				
Test Report No.:	URA/24/09/AIL-J/A-026	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/026	Service Request Date	16/09/2024	
Sample ID No.:	URA/ID/A-24/09/026	Field Data Sheet No.	URA/FDS/A-24/09/026	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	16/09/2024	Date of Testing	17/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C	<b>Avg.:</b> 29 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.40
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1727.5
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	74.8	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	38.1	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	21.9	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	25	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	8.8	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	4.0	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-026	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/026	Service Request Date	16/09/2024
Sample ID No.:	URA/ID/A-24/09/026	Field Data Sheet No.	URA/FDS/A-24/09/026
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	16/09/2024	Date of Testing	17/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %
		<b>Avg.:</b> 29 °C	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.40
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1727.5
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT  
(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010039F</b>				
Test Report No.:	URA/24/09/AIL-J/A-027	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/027	Service Request Date	16/09/2024	
Sample ID No.:	URA/ID/A-24/09/027	Field Data Sheet No.	URA/FDS/A-24/09/027	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	16/09/2024	Date of Testing	17/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C	<b>Avg.:</b> 29 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.44
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.11
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1627.7
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.5

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	89.4	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	40.8	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	21.8	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	8.3	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	18.4	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	4.0	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

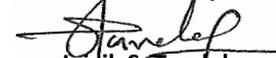
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-027	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/027	Service Request Date	16/09/2024
Sample ID No.:	URA/ID/A-24/09/027	Field Data Sheet No.	URA/FDS/A-24/09/027
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	16/09/2024	Date of Testing	17/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 27 °C	Max.: 33 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %
		<b>Avg.:</b> 29 °C	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.44
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.11
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1627.7
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.5

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	26.3	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010043F</b>				
Test Report No.:	URA/24/09/AIL-J/A-031	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/031	Service Request Date	19/09/2024	
Sample ID No.:	URA/ID/A-24/09/031	Field Data Sheet No.	URA/FDS/A-24/09/031	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	19/09/2024	Date of Testing	20/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Main Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C	<b>Avg.:</b> 30 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.31
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.08
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1575.3
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	79.2		IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	22.5	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.1	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	20	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	12	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

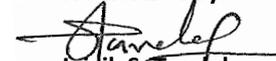
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-031	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/031	Service Request Date	19/09/2024
Sample ID No.:	URA/ID/A-24/09/031	Field Data Sheet No.	URA/FDS/A-24/09/031
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	19/09/2024	Date of Testing	20/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Main Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %
		<b>Avg.:</b> 30 °C	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.31
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.08
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1575.3
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	8.8	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010044F</b>				
Test Report No.:	URA/24/09/AIL-J/A-032	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/032	Service Request Date	19/09/2024	
Sample ID No.:	URA/ID/A-24/09/032	Field Data Sheet No.	URA/FDS/A-24/09/032	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	19/09/2024	Date of Testing	20/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C	<b>Avg.:</b> 30 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.36
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.16
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1695.5
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	81.6	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	24.2	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.1	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	20.9	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-032	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/032	Service Request Date	19/09/2024
Sample ID No.:	URA/ID/A-24/09/032	Field Data Sheet No.	URA/FDS/A-24/09/032
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	19/09/2024	Date of Testing	20/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %
		<b>Avg.:</b> 30 °C	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.36
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.16
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1695.5
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.4

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010045F</b>				
Test Report No.:	URA/24/09/AIL-J/A-033	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/033	Service Request Date	19/09/2024	
Sample ID No.:	URA/ID/A-24/09/033	Field Data Sheet No.	URA/FDS/A-24/09/033	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	19/09/2024	Date of Testing	20/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C	<b>Avg.:</b> 30 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.54
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.06
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1560.7
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.6

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	87.6	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	32.5	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	23.3	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	26.8	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	13.5	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	12	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

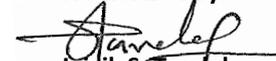
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-033	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/033	Service Request Date	19/09/2024
Sample ID No.:	URA/ID/A-24/09/033	Field Data Sheet No.	URA/FDS/A-24/09/033
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	19/09/2024	Date of Testing	20/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C
	Rel. Humidity:	Min.: 79 %	Max.: 99 %
		<b>Avg.:</b> 30 °C	<b>Avg.:</b> 92 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.54
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.06
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1560.7
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.6

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	17.5	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010049F</b>				
Test Report No.:	URA/24/09/AIL-J/A-037	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/037	Service Request Date	23/09/2024	
Sample ID No.:	URA/ID/A-24/09/037	Field Data Sheet No.	URA/FDS/A-24/09/037	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	23/09/2024	Date of Testing	24/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Main Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C	<b>Avg.:</b> 31 °C
	Rel. Humidity:	Min.: 83 %	Max.: 99 %	<b>Avg.:</b> 93 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.44
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.11
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1627.7
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.5

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	76.2	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	39.6	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.9	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	24.6	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	14.2	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	10.4	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	3.2	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

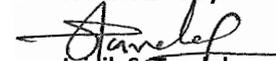
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-037	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/037	Service Request Date	23/09/2024
Sample ID No.:	URA/ID/A-24/09/037	Field Data Sheet No.	URA/FDS/A-24/09/037
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	23/09/2024	Date of Testing	24/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Main Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C
	Rel. Humidity:	Min.: 83 %	Max.: 99 %
		<b>Avg.:</b> 31 °C	<b>Avg.:</b> 93 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.44
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.11
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1627.7
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.5

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	17.6	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010050F</b>				
Test Report No.:	URA/24/09/AIL-J/A-038	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/038	Service Request Date	23/09/2024	
Sample ID No.:	URA/ID/A-24/09/038	Field Data Sheet No.	URA/FDS/A-24/09/038	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	23/09/2024	Date of Testing	24/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C	<b>Avg.:</b> 31 °C
	Rel. Humidity:	Min.: 83 %	Max.: 99 %	<b>Avg.:</b> 93 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.43
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1729.6
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.5

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	95.1	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	30.6	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.5	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	21.8	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	8.1	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	2.4	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-038	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/038	Service Request Date	23/09/2024
Sample ID No.:	URA/ID/A-24/09/038	Field Data Sheet No.	URA/FDS/A-24/09/038
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	23/09/2024	Date of Testing	24/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C
	Rel. Humidity:	Min.: 83 %	Max.: 99 %
		<b>Avg.:</b> 31 °C	<b>Avg.:</b> 93 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.43
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1729.6
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.5

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	17.6	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT  
(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010051F</b>				
Test Report No.:	URA/24/09/AIL-J/A-039	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/039	Service Request Date	23/09/2024	
Sample ID No.:	URA/ID/A-24/09/039	Field Data Sheet No.	URA/FDS/A-24/09/039	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	23/09/2024	Date of Testing	24/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C	<b>Avg.:</b> 31 °C
	Rel. Humidity:	Min.: 83 %	Max.: 99 %	<b>Avg.:</b> 93 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.28
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.07
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1558.8
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.3

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	92.8	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	35.0	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20.6	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	21.5	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	6.1	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	4.1	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-039	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/039	Service Request Date	23/09/2024
Sample ID No.:	URA/ID/A-24/09/039	Field Data Sheet No.	URA/FDS/A-24/09/039
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	23/09/2024	Date of Testing	24/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 28 °C	Max.: 34 °C
	Rel. Humidity:	Min.: 83 %	Max.: 99 %
		<b>Avg.:</b> 31 °C	<b>Avg.:</b> 93 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.28
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.07
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1558.8
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.3

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	8.8	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010055F</b>				
Test Report No.:	URA/24/09/AIL-J/A-043	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/043	Service Request Date	26/09/2024	
Sample ID No.:	URA/ID/A-24/09/043	Field Data Sheet No.	URA/FDS/A-24/09/043	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	26/09/2024	Date of Testing	27/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Main Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 24 °C	Max.: 29 °C	<b>Avg.:</b> 26 °C
	Rel. Humidity:	Min.: 97 %	Max.: 99 %	<b>Avg.:</b> 99 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.12
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.19
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1722.2
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.2

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	89.4	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.5	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.7	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	22.1	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	8.4	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	6.5	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

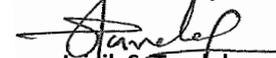
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-043	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/043	Service Request Date	26/09/2024
Sample ID No.:	URA/ID/A-24/09/043	Field Data Sheet No.	URA/FDS/A-24/09/043
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	26/09/2024	Date of Testing	27/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Main Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 24 °C	Max.: 29 °C
	Rel. Humidity:	Min.: 97 %	Max.: 99 %
		<b>Avg.:</b> 26 °C	<b>Avg.:</b> 99 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/01	Fine Particulate	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.12
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.19
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1722.2
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.2

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010056F</b>				
Test Report No.:	URA/24/09/AIL-J/A-044	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/044	Service Request Date	26/09/2024	
Sample ID No.:	URA/ID/A-24/09/044	Field Data Sheet No.	URA/FDS/A-24/09/044	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	26/09/2024	Date of Testing	27/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 24 °C	Max.: 29 °C	<b>Avg.:</b> 26 °C
	Rel. Humidity:	Min.: 97 %	Max.: 99 %	<b>Avg.:</b> 99 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.12
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1707.7
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.2

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	89.8	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	37.6	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	23.2	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	26.3	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	14.2	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	10.6	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	4.1	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

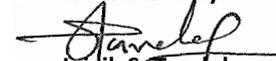
**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-044	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/044	Service Request Date	26/09/2024
Sample ID No.:	URA/ID/A-24/09/044	Field Data Sheet No.	URA/FDS/A-24/09/044
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	26/09/2024	Date of Testing	27/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>Near Emergency Gate</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 24 °C	Max.: 29 °C
	Rel. Humidity:	Min.: 97 %	Max.: 99 %
		<b>Avg.:</b> 26 °C	<b>Avg.:</b> 99 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust	210103156	28/03/2024	27/03/2025
UERL/AIR/FPS/02	Fine Particulate	210202147	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.12
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.18
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1707.7
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.2

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	26.7	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>ULR - TC775324000010057F</b>				
Test Report No.:	URA/24/09/AIL-J/A-045	Report Issue Date	03/10/2024	
Service Request form No.:	URA/SRF/09/045	Service Request Date	26/09/2024	
Sample ID No.:	URA/ID/A-24/09/045	Field Data Sheet No.	URA/FDS/A-24/09/045	
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.			
Dates of Sampling :	26/09/2024	Date of Testing	27/09/2024	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>			
Environmental Conditions during Sampling :	Temp.:	Min.: 24 °C	Max.: 29 °C	<b>Avg.:</b> 26 °C
	Rel. Humidity:	Min.: 97 %	Max.: 99 %	<b>Avg.:</b> 99 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.26
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.17
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1703.1
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.3

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	74.9	<b>100</b>	IS: 5182 (Part 23)
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	33.7	<b>60</b>	IS 5182 (Part 24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.1	<b>80</b>	IS: 5182 (Part 2)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	23.4	<b>80</b>	IS: 5182 (Part 6)
5.	Ozone	µg/m <sup>3</sup>	BDL (MDL:5.0)	<b>180</b>	IS: 5182 (Part 9)
6.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	8.9	<b>400</b>	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL (MDL:1.0)	<b>2.0</b>	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL (MDL:0.5)	<b>1.0</b>	IS: 5182 (Part 22)
9.	Benzene	µg/m <sup>3</sup>	BDL (MDL:1.0)	<b>5.0</b>	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BAP)	ng/m <sup>3</sup>	BDL (MDL:0.1)	<b>1.0</b>	IS: 5182 (Part 12)
11.	Nickel	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>20</b>	IS: 5182 (Part 26)
12.	Arsenic	ng/m <sup>3</sup>	BDL (MDL:1.0)	<b>6.0</b>	IS: 5182 (Part 22)
13.	Chlorine (Cl <sub>2</sub> )	µg/m <sup>3</sup>	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m <sup>3</sup>	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jayik S. Tandel**  
(Manager - Operations)

Page No.: 1

UERL/AIR/F-05/05

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

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

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**(AMBIENT AIR MONITORING)**

Test Report No.:	URA/24/09/AIL-J/A-045	Report Issue Date	03/10/2024
Service Request form No.:	URA/SRF/09/045	Service Request Date	26/09/2024
Sample ID No.:	URA/ID/A-24/09/045	Field Data Sheet No.	URA/FDS/A-24/09/045
Name & Add. of Customer	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
Dates of Sampling :	26/09/2024	Date of Testing	27/09/2024
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	<b>ETP Expansion Area</b>		
Environmental Conditions during Sampling :	Temp.:	Min.: 24 °C	Max.: 29 °C
	Rel. Humidity:	Min.: 97 %	Max.: 99 %
		<b>Avg.:</b> 26 °C	<b>Avg.:</b> 99 %

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust	210103158	28/03/2024	27/03/2025
UERL/AIR/FPS/03	Fine Particulate	210202146	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of	Observation
1.	Monitoring Duration	h	24.26
2.	Flow Rate of PM <sub>10</sub>	m <sup>3</sup> /min	1.17
3.	Volume of Air Sampled for PM <sub>10</sub>	m <sup>3</sup>	1703.1
4.	Volume of Air Sampled for PM <sub>2.5</sub>	m <sup>3</sup>	24.3

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m <sup>3</sup>	17.7	--	UERL/AIR/SOP/07

**Remarks:**

**Opinion & Interpretation (if required):** BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

  
**Jaiyik S. Tandel**  
(Manager - Operations)



**AARTI INDUSTRIES LIMITED**

(A Government Recognised Export House)

Unit - I

Factory :

Plot No. 758/1, 2 & 3, P. B. No. 23,  
G.I.D.C., Jhagadia - 393-110.  
Dist. Bharuch, Gujarat, INDIA.  
Ph. No. : 02645 - 226278, 226277  
EPABX No. : 9537011711, 9537011811  
Fax No. : 02645 - 226178

To

Date : 17.10.2016

The Environment Engineer

Unit Head – Ankleshwar

GPCB, Gandhinagar

ID - 14855

Sub: Dismantling of Captive Liquid Incinerator

Respected Sir,

We are having Captive Liquid Incinerator of 20 KLD capacity . However , we have stopped using the same since May 2015 after successful commissioning & utilisation of ATFD at our unit to take care of MEE bottom material .

As Liquid Incinerator is no more being utilised , we would like to dismantle the same .

We request you to kindly take a note of the same .

Thanking You

Faithfully Yours

For Aarti Industries limited

Authorized Signatory

CC: Unit Head – Hazardous Waste Cell , GPCB - HO

: RO – GPCB, Ankleshwar

19/10/16  
Gujarat Pollution Control Board  
Sector No. 10 A,  
Gandhinagar - 382 010.

Regd. Office : Plot No. 801/23, G.I.D.C. Estate, Phase III, Vapi - 396 195.  
Tel. : (0260) 2431366, 2400059, 2400158 Fax : (0260) 2401322

Admn. Office : Udyog Kshetra, 2nd Floor, Mulund, Goregaon Link Road, L.B.S. Marg, Mulund (West), Mumbai - 400 080.  
Phone : (022) 25918195, 67976697, 67976666 Fax : (022) 25904806, 25653185, 67976687



# "Certificate"

**DETOX INDIA**  
operated by  **VEOLIA**

**Certificate No.:100207**

*To Whomsoever it may concern*

*This is to certify that*  
**AARTI INDUSTRIES LTD.**

PLOT NO. 758 / 1-2-3,  
GIDC ESTATE JHAGADIA,  
BHARUCH

*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 :27-10-2021*

*Date of Expiration : 27-10-2026*

*Place of Issue : Surat*

*For, Safe Enviro Private Limited*

*Director*

SUBJECT TO SURAT JURISDICTION

**Safe Enviro Private Limited**

Survey No. 868, Village - Magnad, Tal. - Jambusar, Dist. - Bharuch - 392150 (Guj.) INDIA  
Corporate Office : Detox House, Opp. Gujarat Samachar Press, Udhna Darwaja, Ring Road, Surat-395 002 (Guj.) INDIA  
Ph. : +91 261 2351248, 2346181 | E-mail : info.safeenviro@veolia.com | CIN : U51101GJ2015PTC083237



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

REF: BEIL/ANK/2019

11<sup>th</sup> JANUARY, 2020

To,  
**AARTI INDUSTRIES LTD. UNIT-1 (758)**  
PLOT No.758/A,  
GIDC,  
JHAGADIA, GUJARAT.

**Sub: Membership Certificate for Common Solid Waste Disposal Facility.**

Dear Sir,

We hereby certify that you have become member of the common Solid/Hazardous Waste Disposal Facility developed by For, BEIL INFRASTRUCTURE LIMITED (Formerly Known as Bharuch Enviro Infrastructure Ltd)., at GIDC, Ankleshwar. You have booked solid waste quantity **2800 MT/ Year** (Original Booked Quantity **900 MT** + Increased Quantity **1900 MT**). Your Membership No. is **JHG/008**.

Thanking you,

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

**AUTHORISED SIGNATORY**

Renewal  
**Certificate**


To whomsoever it may concern  
 This is to certify that

Certificate No : 4100002257

**AARTI INDUSTRIES LTD**

PLOT NO-758/1-2-3,  
 GIDC ESTATE JHAGADIA,  
 JHAGADIA  
 Gujarat

is a valid member of

**Recycling Solutions Private Limited Unit-I**

for Alternate Fuel Resource Facility.

This membership is valid for a period of  
**10 Years**

For, Recycling Solutions Private Limited Unit-I

Date of issue : 03.08.2023  
 Date of expiration : 02.08.2033  
 Place of issue : SURAT

  
 Director/Authorised signatory

**Waste Information**

SrNo	Type Of Waste	Sign Qty(TPA)	SrNo	Type Of Waste	Sign Qty(TPA)
1	DISTILLATION RESIDUE. - 28.1	240.000	2	ORGANIC RESIDUE. - 36.1	240.000
Total Sign Qty (TPA)					480.000

**SUBJECT TO BHARUCH JURISDICTION**

Page No : 1

# Certificate



To whomsoever it may concern  
This is to certify that

Certificate No : 410002257

## AARTI INDUSTRIES LIMITED

PLOT NO-758/1-2-3,  
GIDC ESTATE JHAGADIA,  
JHAGADIA  
Gujarat

is a valid member of

## Recycling Solutions Private Limited Unit-II

for Alternate Fuel Resource Facility.

This membership is valid for a period of  
**10 Years**

For, Recycling Solutions Private Limited Unit-II

Date of issue : 20.11.2019  
Date of expiration : 19.11.2029  
Place of issue : SURAT

Director/Authorised signatory

### Waste Information

SrNo	Type Of Waste	Sign Qty(TPA)	SrNo	Type Of Waste	Sign Qty(TPA)
1	DISTILLATION RESIDUE.	240.000			0.000
<b>Total Sign Qty (TPA)</b>					<b>240.000</b>

**SUBJECT TO JURISDICTION**



## Certificate

Certificate No.: 120000010

*To Whomsoever it may concern*

*This is to certify that*

**AARTI INDUSTRIES LTD.**

PLOT NO. 758 / 1-2-3,  
GIDC ESTATE JHAGADIA,  
BHARUCH

*is a valid member of*

**SAURASHTRA ENVIRO PROJECTS PVT. LTD.**

*for*

*Integrated Common Incineration Facility*

*This membership is valid for a period of*

*5 Years*

*Date of Issue : 24.02.2022*

*For, Saurashtra Enviro Projects Pvt. Ltd.*

*Date of Expiration : 23.02.2027*

*Place of Issue : Surat*

*Director*

SUBJECT TO SURAT JURISDICTION



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

06<sup>TH</sup> OCTOBER, 2022

To,  
**AARTI INDUSTRIES LTD. UNIT-1 (758)**  
PLOT No.758/1-2  
GIDC,  
JHAGADIA.

**Sub: Membership Certificate for Incinerable Waste Facility.**

Dear Sir,

We hereby certify that you have become member for the common incineration facility of **BEIL INFRASTRUCTURE LIMITED** (FORMERLY KNOWN AS BHARUCH ENVIRO INFRASTRUCTURE LTD), at GIDC, Ankleshwar & Dahej. You have booked quantity of **50 MT/Year**. You have paid Registration fees for common incinerator membership. Your Membership No. is **CI/JHG/003**.

Waste will be accepted after submitting valid authorization of GPCB.

Thanking you,

Yours faithfully,  
**For, BEIL INFRASTRUCTURE LIMITED**

  
AUTHORISED SIGNATORY

CIN No.: U45300GJ1997PLC032696

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



भारत सरकार  
Government of India  
वाणिज्य और उद्योग मंत्रालय  
Ministry of Commerce & Industry  
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)  
Petroleum & Explosives Safety Organisation (PESO)  
9वीं मंजिल, पार्क पैराडाइज, वडसर  
वडोदरा- 390012  
9th Floor, Park Paradise, Vadsar,  
Vadodara - 390012

E-mail : [jtcce.vadodara@explosives.gov.in](mailto:jtcce.vadodara@explosives.gov.in)

Phone/Fax No : 0265 - 2361035

संख्या /No. : P/WC/GJ/15/2598 (P12353)

दिनांक /Dated : 31/10/2023

सेवा में  
/To,

M/S. AARTI INDUSTRIES LTD.,  
758/1-A GIDC Jhagadia,,  
JHAGADIA,  
GIDC Jhagadia,  
Bharuch,  
Taluka: Jhagadia,  
District: BHARUCH,  
State: Gujarat  
PIN: 393110

विषय /Sub : Plot No, NA, JAGADIA, JAGADIA, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 में स्थित विद्यमान पेट्रोलियम वर्ग A अधिष्ठापन में अनुज्ञप्ति सं P/WC/GJ/15/2598 (P12353) के नवीकरण के संदर्भ में।  
Existing Petroleum Class A Installation at Plot No, NA, JAGADIA, JAGADIA, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 - Licence No. P/WC/GJ/15/2598 (P12353) - Renewal regarding.

महोदय  
/Sir(s),

कृपया आपके पत्र क्रमांक OIN1507684 दिनांक 30/10/2023 का अवलोकन करें।  
Please refer to your letter No.: OIN1507684, dated 30/10/2023

अनुज्ञप्ति संख्या P/WC/GJ/15/2598 (P12353) दिनांक 21/02/2018 को दिनांक 31/12/2028 तक नवीनीकृत कर इस पत्र के साथ अग्रषित की जा रही है।

Licence No. P/WC/GJ/15/2598 (P12353) dated 21/02/2018 is forwarded herewith duly renewed upto 31/12/2028.

2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कडाई से पालन करें। अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को अनुज्ञप्ति की वैधता समाप्त होने की तिथि से कम से कम 30 दिन पूर्व to Jt. Chief Controller of Explosives, Vadodara, so as to reach his कार्यालय में प्रस्तुत करें।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence to Jt. Chief Controller of Explosives, Vadodara, so as to reach his office on or before the date on which Licence expires.

कृपया पावती दें।  
Please acknowledge the receipt.

भवदीय /Yours faithfully,

((तेजवीर सिंह)  
(Tejveer Singh))  
उप विस्फोटक नियंत्रक  
Dy. Controller of Explosives  
कृते संयुक्त मुख्य विस्फोटक नियंत्रक  
For Jt. Chief Controller of Explosives  
वडोदरा/Vadodara

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

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

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

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

अनुज्ञप्ति सं. (Licence No.): P/WC/GJ/15/2598(P12353)

फीस रूप (Fee Rs.) 22700/- per year

M/S. AARTI INDUSTRIES LTD., 758/1-A GIDC Jhagadia,, JHAGADIA, GIDC Jhagadia, Bharuch, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम 404.00 KL आयात करने के लिए और उसका, नीचे वर्णित और अनुमोदित नक्शा संख्या P/WC/GJ/15/2598(P12353) तारीख 07/09/2017 जो कि इससे उपाबद्ध है, में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति की अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुज्ञप्ति अनुदत्त की जाती है।

Licence is hereby granted to M/S. AARTI INDUSTRIES LTD., 758/1-A GIDC Jhagadia,, JHAGADIA, GIDC Jhagadia, Bharuch, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 valid only for the importation and storage of 404.00 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/WC/GJ/15/2598(P12353) dated 07/09/2017 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुज्ञप्ति 31st day of December 2028 तक प्रवृत्त रहेगी।  
The Licence shall remain in force till the 31st day of December 2028

पेट्रोलियम का विवरण /Description of Petroleum	अनुज्ञप्त मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	404.00 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	404.00 KL

August 17, 2000

For Jt. Chief Controller of Explosives  
WC, Mumbai

- 1). Amendment dated - 05/08/2009
- 2). Amendment dated - 18/02/2010
- 3). Amendment dated - 21/02/2018

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

अनुज्ञप्त परिसर जिसकी विन्यास सीमाएं अन्य विशिष्टयां संलग्न अनुमोदित नक्शों में दिखाई गई हैं Plot No: NA, JAGADIA, JAGADIA, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 स्थान पर अवस्थित है तथा उसमें निम्नलिखित FOUR UNDERGROUND PETROLEUM CLASS A STORAGE TANK TOGETHER WITH CONNECTED FACILITIES. सम्मिलित हैं।

The licensed premises, the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: NA, JAGADIA, JAGADIA, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 and consists of FOUR UNDERGROUND PETROLEUM CLASS A STORAGE TANK TOGETHER WITH CONNECTED FACILITIES. together with connected facilities.

Note:-This is system generated document does not require

signature.

अनुज्ञप्ति संख्या-(Licence No.) P/WC/GJ/15/2598 (P12353)

**नवीनीकरण के पृष्ठांकन के लिए स्थान**  
**SPACE FOR ENDORSEMENT OF RENEWALS**

पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञप्ति फिस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी। This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.	नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry of license	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature and office stamp of the licencing authority.
	09/01/2006	31/12/2008	Sd/- Rajnish Piplani
	19/11/2008	31/12/2009	Sd/- Ashendra Singh
	06/08/2009	31/12/2010	Sd/- Rajnish Piplani
	03/11/2010	31/12/2013	Sd/- Ashendra Singh
	21/10/2013	31/12/2023	Sd/- R.K.MAINDOLA Dy. Chief Controller of Explosives For Jt. Chief Controller of Explosives Mumbai
	31/10/2023	31/12/2028	Tejveer Singh Dy. Controller of Explosives For Jt. Chief Controller of Explosives Vadodara

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

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

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



भारत सरकार

Government of India

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)

Petroleum & Explosives Safety Organisation (PESO)

9वीं मंजिल, पार्क पैराडाइज, वडसर

वडोदरा- 390012

9th Floor, Park Paradise, Vadsar,

Vadodara - 390012

E-mail : [jtce.vadodara@explosives.gov.in](mailto:jtce.vadodara@explosives.gov.in)

Phone/Fax No : 0265 - 2361035

संख्यां /No. : P/WC/GJ/15/2715 (P404037)

दिनांक /Dated : 11/10/2023

सेवा में /To,

M/s. M/s. AARTI INDUSTRIES LIMITED,  
PLOT NO. 756/4,5,6,7 & 779, GIDC Industrial Area,  
GIDC Jhagadia,  
Jhagadia,  
Taluka: Jhagadia,  
District: BHARUCH,  
State: Gujarat  
PIN: 393110

विषय /Sub : Survey No, 135, 136 & Plot No. 758/1-2-3, 779,756/2A/B, 756/3A/B,756/4A/B,756/5A/B,, GIDC JHAGADIA, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 में स्थित पेट्रोलियम वर्ग A अधिष्ठापन - पेट्रोलियम नियम 2002 के अंतर्गत प्ररूप XV में जारी अनुज्ञापति सं P/WC/GJ/15/2715 (P404037) - संशोधन के संदर्भ में ।  
Existing Petroleum Class A Installation at Survey No, 135, 136 & Plot No. 758/1-2-3, 779,756/2A/B, 756/3A/B,756/4A/B,756/5A/B,, GIDC JHAGADIA, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110- Licence No. P/WC/GJ/15/2715 (P404037) - granted in form XV under Petroleum Rules 2002 - Amendment regarding

महोदय  
/Sir(s),

कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या OIN1465378 दिनांक 10/10/2023 का संदर्भ ग्रहण करें ।

Reference to your letter No. OIN1465378 dated 10/10/2023 on the above subject.

दिनांक 31/12/2025 तक वैध अनुज्ञापति संख्या P/WC/GJ/15/2715 (P404037) दिनांक 11/10/2023 निम्नलिखित वर्ग एवं मात्राओं में पेट्रोलियम भंडारण के लिए यथा संशोधित कर इस पत्र के साथ लौटाई जा रही है ।  
Licence No. P/WC/GJ/15/2715 (P404037) dated 11/10/2023 valid upto 31/12/2025 is returned herewith duly amended with respect to Lay out Amendment, Capacity Amendment,

पेट्रोलियम का विवरण /Description of Petroleum	किलोलिटरों में अनुज्ञापति क्षमता /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A, in bulk	1764.00 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B, in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C, in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total	1764.00 KL

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

(तेजवीर सिंह)  
(Tejveer Singh)

उप विस्फोटक नियंत्रक

Dy. Controller of Explosives

कृते संयुक्त मुख्य विस्फोटक नियंत्रक

For Jt. Chief Controller of Explosives

वडोदरा/Vadodara

Copy forwarded to :-

1. The Additional District Magistrate, BHARUCH(Gujarat) with reference to his NOC No MAG/NOC/WS/15081563/1564/2020 Dated 02/03/2020

For Jt. Chief Controller of Explosives  
Vadodara

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in> देखें)

(For more information regarding status,fees and other details please visit our website: <http://peso.gov.in>)

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

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

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

अनुज्ञप्ति सं. (Licence No.): P/WC/GJ/15/2715(P404037)

फीस रूप (Fee Rs.) 50000/- per year

M/s. M/s. AARTI INDUSTRIES LIMITED, PLOT NO. 756/4,5,6,7 & 779, GIDC Industrial Area, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम 1764.00 KL आयात करने के लिए और उसका, नीचे वर्णित और अनुमोदित नक्शा संख्या P/WC/GJ/15/2715(P404037) तारीख 17/03/2020 जो कि इससे उपाबद्ध है, में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति की अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुज्ञप्ति अनुदत्त की जाती है।

Licence is hereby granted to M/s. M/s. AARTI INDUSTRIES LIMITED, PLOT NO. 756/4,5,6,7 & 779, GIDC Industrial Area, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 valid only for the importation and storage of 1764.00 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/WC/GJ/15/2715(P404037) dated 17/03/2020 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुज्ञप्ति 31st day of December 2025 तक प्रवृत्त रहेगी।  
The Licence shall remain in force till the 31st day of December 2025

पेट्रोलियम का विवरण /Description of Petroleum	अनुज्ञप्त मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	1764.00 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	1764.00 KL

March 17, 2020

For Jt. Chief Controller of Explosives  
WC, Mumbai

1). Amendment dated - 11/10/2023

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

अनुज्ञप्त परिसर जिसकी विन्यास सीमाएं अन्य विशिष्टां संलग्न अनुमोदित नक्शों में दिखाई गई हैं Survey No: 135, 136 & Plot No. 758/1-2-3, 779,756/2A/B, 756/3A/B,756/4A/B,756/5A/B,, GIDC JHAGADIA, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 स्थान पर अवस्थित है तथा उसमें निम्नलिखित 9 Under Ground tank(s) for CLASS A सम्मिलित हैं।

The licensed premises, the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at Survey No: 135, 136 & Plot No. 758/1-2-3, 779,756/2A/B, 756/3A/B,756/4A/B,756/5A/B,, GIDC JHAGADIA, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 and consists of 9 Under Ground tank(s) for CLASS A together with connected facilities.

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

अनुज्ञप्ति संख्या-(Licence No.) P/WC/GJ/15/2715 (P404037)

**नवीनीकरण के पृष्ठांकन के लिए स्थान**  
**SPACE FOR ENDORSEMENT OF RENEWALS**

पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या नवीकरण की तारीख समाप्ति की तारीख अनुज्ञापन प्राधिकारी के हस्ताक्षर और उनके अधीन बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञप्ति फ़िस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी।

This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

1).

18/12/2020 31/12/2025

Sd/-

Mohanlal Jana  
Dy. Controller of Explosives  
For Jt. Chief Controller of  
Explosives  
Vadodara

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

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

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



भारत सरकार  
Government of India  
वाणिज्य और उद्योग मंत्रालय  
Ministry of Commerce & Industry  
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)  
Petroleum & Explosives Safety Organisation (PESO)  
ए-1 और ए-2 विंग, पॉचया तल, केंद्रीय कार्यालय परिसर, सी.बी.डी. बेलापुर  
नवी मुंबई (महा.)- 400614  
A1 & A2 wing, 5th Floor, C.G.O. complex, CBD Belapur, Navi Mumbai (M.S.),  
Mumbai - 400614

(Unit-1)  
Class 'B' & 'C'  
solvents.

E-mail : jtcemumbai@explosives.gov.in

Phone/Fax No : 022 - 27575946, 27573881

संख्या /No. : P/HQ/GJ/15/5018 (P168896)

सेवा में /To.

M/s. Aarti Industries Ltd.,  
Plot No. 758/1,2 & 3,  
P.B.No.23, GIDC,  
Jhagadla,  
District: BHARUCH,  
State: Gujarat  
PIN: 393110

1432 दिनांक /Dated : 14/11/2014

18 NOV 2014

विषय /Sub : Plot No, Plot No. 758/1-2-3, GIDC, NA, Jhagadia, District: BHARUCH, State: Gujarat, PIN: 999999 में स्थित विद्यमान पेट्रोलियम वर्ग B,C अधिष्ठापन में अनुज्ञप्ति सं P/HQ/GJ/15/5018 (P168896) के नवीकरण के संदर्भ में ।  
Existing Petroleum Class B,C Installation at Plot No, Plot No. 758/1-2-3, GIDC, NA, Jhagadia, District: BHARUCH, State: Gujarat, PIN: 999999 - Licence No. P/HQ/GJ/15/5018 (P168896) - Renewal regarding.

महोदय /Sir  
(s).

कृपया आपके पत्र क्रमांक NIL दिनांक 16/09/2014 का अवलोकन करें ।  
Please refer to your letter No.: NIL, dated 16/09/2014

अनुज्ञप्ति संख्या P/HQ/GJ/15/5018 (P168896) दिनांक 28/07/2009 को दिनांक 31/12/2024 तक नवीनीकृत कर इस पत्र के साथ अद्यपित की जा रही है ।

Licence No. P/HQ/GJ/15/5018 (P168896) dated 28/07/2009 is forwarded herewith duly renewed upto 31/12/2024.

कृपया पेट्रोलियम नियम 2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कड़ाई से पालन करें । अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को अनुज्ञप्ति की वैधता समाप्त होने की तिथि से कम से कम 30 दिन पूर्व to Dy. Chief Controller of Explosives, Vadodara, so as to reach his कार्यालय को प्रेषित करें ।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence to Dy. Chief Controller of Explosives, Vadodara, so as to reach his office on or before the date on which Licence expires.

कृपया पावती दें।  
Please acknowledge the receipt.

भवदीय /Yours faithfully.

(एस.के.शुक्ला)  
(S K Shukla)

उप मुख्य विस्फोटक नियंत्रक  
Dy. Chief Controller of Explosives  
कृते संयुक्त मुख्य विस्फोटक नियंत्रक  
For Jt. Chief Controller of Explosives  
नवी मुंबई (महा.)  
M

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

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

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

अनुज्ञप्ति सं. (Licence No.): P/HQ/GJ/15/5018(P168896)

फीस रूप (Fee Rs.) 2090/- per year

M/s. Aarti Industries Ltd., Plot No. 758/1,2 & 3, P.B.No.23, GIDC, Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम 84.00 KL आयात करने के लिए और उसका, नीचे वर्णित और अनुमोदित नक्शा संख्या P/HQ/GJ/15/5018(P168896) तारीख 28/07/2009 जो कि इससे उपाबद्ध है, में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति की अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुज्ञप्ति अनुदत्त की जाती है।

Licence is hereby granted to M/s. Aarti Industries Ltd., Plot No. 758/1,2 & 3, P.B.No.23, GIDC, Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 valid only for the importation and storage of 84.00 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/HQ/GJ/15/5018(P168896) dated 28/07/2009 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुज्ञप्ति 31st day of December 2024 तक प्रवृत्त रहेगी।  
The Licence shall remain in force till the 31st day of December 2024

पेट्रोलियम का विवरण /Description of Petroleum	अनुज्ञप्त मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	NIL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	28.00 KL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	56.00 KL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	84.00 KL

July 28, 2009

  
Chief Controller of Explosives

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

अनुज्ञप्त परिसर जिसकी विन्यास सीमाएं अन्य विशिष्टताएं संलग्न अनुमोदित नक्शों में दिखाई गई हैं Plot No: Plot No. 758/1-2-3, GIDC, NA, Jhagadia, District: BHARUCH, State: Gujarat, PIN: 999999 स्थान पर अवस्थित है तथा उसमें निम्नलिखित one aboveground Petroleum Class B and one aboveground Petroleum Class C storage tanks together with connected facilities. सम्मिलित हैं।  
The licensed premises, the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: Plot No. 758/1-2-3, GIDC, NA, Jhagadia, District: BHARUCH, State: Gujarat, PIN: 999999 and consists of one aboveground Petroleum Class B and one aboveground Petroleum Class C storage tanks together with connected facilities. together with connected facilities.

पेज सं. 2

अनुज्ञति संख्या-(Licence No.) P/HQ/GJ/15/5018 (P168896)

नवीनीकरण के पृष्ठांकन के लिए स्थान  
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, 1934 के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुज्ञति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञति फ़िस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी।  
This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

	नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry of license	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature and office stamp of the licencing authority.
1).	22/11/2011	31/12/2014	Sd/- Dr. M.L.Z. Ansari
2).	14/11/2014	31/12/2024	Sd/- K Shukla Dy. Chief Controller of Explosives For Jt. Chief Controller of Explosives Mumbai

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

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



**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. MULUND-GOREGAON, LINK ROAD,  
 MULUND (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
Vikhroli	Tower C, 4th Floor, 247 Embassy Park, LBS Marg, Vikhroli (W), Mumbai- 400083



**For Tata AIG General Insurance Company Limited**

**Authorized Signatory**



# On-Site Emergency Plan

[Prepared as required by Schedule 8-A, Rule 68 – J (12) (1) of The GFR 1963]

&

[The rule 13(1) of MSIHC Rules 1989 (Manufacture, Storage and Import of Hazardous chemicals Rule -1989)]

OF

**M/s. Aarti Industries Ltd.(Unit - 1)**

**Jhagadia**

**October 2022**

## Address:

Plot No:758/1,2&3, Survey No.  
359,360,364,358,357,356,345,  
348 GIDC  
Jhagadia,  
Dist-Bharuch,  
Gujarat - 393110

## CONTENTS

Preface	6
Purpose	7
Objectives	9
Definitions	10
CHAPTER- 1: NAME AND ADDRESS OF THE PERSONS FURNISHING THE INFORMATION	15
CHAPTER-2: KEY PERSONNEL OF THE ORGANISATION AND RESPONSIBILITIES bASSIGNED TO THEM IN CASE OF AN EMERGENCY	16
CHAPTER- 3: OUTSIDE ORGANISATION INVOLVED IN ANNOTATING DURING ON-SITE EMERGENCY	35
(a)Type of Accidents	35
(b)Responsibility Assigned.	35
CHAPTER- 4: DETAILS OF LIAISON ARRANGEMENT BETWEEN ORGANIZATION	36
CHAPTER- 5: INFORMATION ON THE PRELIMINARY BETWEEN THE ORGANIZATION	38
(a) Type of Accidents (Major)	55
(b) System Elements Or Event That Can Lead To A Major Accident	55
(c)Safety Relevant Components	58
CHAPTER- 6: DETAILS ABOUT THE SITE	59
(a) Location Of Dangerous Substances:	59
(b) Seating of Key Personnel	59
(c) Emergency Control Room	60
CHAPTER- 7: DESCRIPTION OF HAZARDOUS CHEMICALS AT PLANT SITE	66
(A) Chemicals (Qualification And Toxicological Data):	66
(b) Transformation If Any Which Could Occur	67
(c) Purity of Hazardous Chemicals:	68
CHAPTER- 8: LIKELY DANGERS TO THE PLANT	69
CHAPTER- 9: ENUMERATE EFFECTS OF:	94
(i)Stress And Strain And Safety And Security Systems	94
(ii) Fire And Explosion Inside The Plant And Effect If Any, Of Fire And Explosion OutSide	95
CHAPTER- 10: DETAILS REGARDING	96
(i) Warning, Alarm and Safety and Security Systems:	96
(ii) Alarm and Hazard Control Plans In Line With Disaster Control and Hazard Control Planning, Ensuring The Necessary Technical And Organizational Precautions;	96

---

(iii) Reliable Measuring Instruments, Control Units And Servicing Of Such Equipment	96
(iv) Precautions In Designing Of The Foundation And Load Bearing Parts Of The Building:	96
<b>CHAPTER- 11: DETAILS OF COMMUNICATION FACILITIES AVAILABLE DURING EMERGENCY AND THOSE REQUIRED FOR AND OFF-SITE EMERGENCY</b>	<b>105</b>
<b>CHAPTER-12: DETAILS OF FIRE FIGHTING AND OTHER FACILITIES AVAILABLE AND THOSE REQUIRED FOR AN OFF-SITE EMERGENCY</b>	<b>127</b>
<b>CHAPTER- 13: DETAILS FIRST-AID AND HOSPITAL SERVICES AVILABLE AND ITS ADEQUACY</b>	<b>129</b>
List of Annexure: (Attached to On- Site Emergency Plan)	129
Annexure-1: Identification of The Factory	130
Annexure-2: Map of The Area	131
Annexure-3: Factory Layout	132
Annexure-4: Storage Hazard and control	134
Annexure-5: Material Safety Data Sheet	140
Annexure-6: Process and Vessels Hazards and Controls	141
Annexure-7: Other Hazards and Controls	146
Annexure-08: Trade Waste Disposal	148
Annexure-09: Past Incident	150
Annexure-10: Gas Dispersion	151
Annexure-11: Evacuation Table	159
Annexure-12: Environmental Impact Assessment	160
Annexure-13: Weather Condition	161
Annexure-14: Incident Controller	162
Annexure-15: Deputy Incident Controller	163
Annexure-16: Site Main Controller	164
Annexure-17: Key Personnel	165
Annexure-18: Essential Personal Team	167
Annexure-19: Safe Assembly Point	181
Annexure-20: Emergency Control Center (ECC)	182
Annexure-21: Fire and Toxicity Control Arrangements	184
Annexure-22: Medical Arrangement	187
Annexure-23: Transportation & Evacuation Arrangement	188
Annexure-25: Other Arrangement	190
Annexure-26: Alarms and signs	191

---

<b>Annexure-27: Internal phones</b>	<b>192</b>
<b>Annexure-28: External phones</b>	<b>193</b>
<b>Annexure-29: Nominated Persons to Declare Major Emergency</b>	<b>194</b>
<b>Annexure-30: A Form to Record Emergency Telephone Calls</b>	<b>195</b>
<b>Annexure-31: Statutory Communication</b>	<b>196</b>
<b>Annexure-32: Separation Distance</b>	<b>197</b>
<b>Annexure-33: Emergency Instruction Booklet</b>	<b>200</b>

**Preface**

Our First Emergency Plan was prepared many years ago and then after it will be updated as & when required; based on learning from various Mock drills and on account of expansion in the facility. Mock drills will be conducted to test the plan and to improve our emergency preparedness. The results of these mock drills, identification and assessment of all maximum credible scenarios, study of various Rules, Regulations and standards will be taken as basis for modifying the ON-SITE Emergency Plan along with classification of Emergencies & requirements of implementation of ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. The goals and objectives of all these efforts are to improve quality of work and working life through dedicated concentrated efforts consistent with the requirement of safety, health and environment at workplace.

As emergencies arise suddenly; the necessity to remain always alert & ready with supporting facilities to face them effectively; is of paramount importance. This document cannot be said to be the complete as its only sets the broad guidelines for emergency preparedness. Well planned and well rehearsed Emergency Plan will help organization to mitigate / control emergency situation in minimum time and also to restart operation with minimum losses.

All the key personnel are requested to study the document and become familiar with the contents and disseminate information to those working with them.

**Mr. Kirit Mehta**

**Occupier**

## **Purpose**

Major accidents may cause emergency and it may lead to disaster, which may cause heavy damage to plant, property and harm to persons and create adverse effects on production.

Many disasters like Bhopal gas tragedy, Chernobyl Nuclear Disaster etc. have occurred at many places in the world causing heavy loss of life and property.

Emergency situation arises all of a sudden and creates havoc and damage to property, production and environment and harm to human beings.

Therefore, such situations and risks should be thought, visualized and assessed in advance and it should be planned beforehand to tackle them immediately and control them within the shortest time.

We handle various hazardous chemicals & processes involving pressure and temperature. In spite of precautions and safety measures we take, an incidence of potential damage may arise occasionally. Such incidents if effectively handled by the Department Heads/ Shift-in-Charges / Shift Engineers would cease to be a potential hazard thereafter. However, in case the situation demands for greater assistance, the mitigation measures are not enough to control or when the Shift-in-Charge / Shift Engineer is in doubt of combating and controlling the situations with resources at his command, he will initiate the emergency procedure. "The purpose of this plan is to lay down guidelines to handle such emergencies."

Under the provision of Sec 41B (4) of the Factories Act 1948, every occupier shall draw up an On-site Emergency Plan and detailed disaster control measures for his factory and make known to the workers employed therein and to the general public living in the vicinity of the factory the safety measures required to be taken in the event of an accident taking place.

Similarly, Schedule 8-A of Sub rule 68-J-(12) (1) of Gujarat Factory Rule 1963, requires that every occupier of a hazardous factory shall prepare an ON-SITE emergency plan & The rule 13(1) of MSIHC Rules 1989 (Manufacture, storage and Import of Hazardous chemicals Rule, 1989) requires the Occupier of any Major Accident Hazards (MAH) installation to prepare and an On-site Emergency Plan and detailed disaster control measures including linkage with off Site Emergency Management for the factory. Accordingly, the ON-SITE and OFF-SITE emergency plan with details of disaster control measures has been prepared for the employees and general public living in the vicinity of the factory. This plan gives the safety measures to be taken in the event of any accident or disaster happening at the plant.

The provisions of the following guidelines are kept in mind while preparing this plan.

- Status relating to risk assessment and environment impact in case of Fire, Explosion and the measures taken for prevention of such accident.
- Probabilities of possible hazard due to the failure of provided control measures and equipment such as safety valve, pressure gauge, temperature indicator etc. at different stages of process.

- Provisions for all facilities and procedures for immediate control to minimize the effect of such probabilities.
- Arrangement with mutual aid agencies.
- Arrangement for informing workers through emergency alarm and public in vicinity and surrounding factories through telephone
- Arrangement for evacuation of persons likely to be affected due to emergency.
- Arrangement for transporting affected persons to the hospital and medical center through Car/Ambulance.
- Arrangement for necessary treatment and availability of antidotes at hospitals and at medical center.
- Organization Chart for fixation of responsibilities of managers, officers, workers at different stages for handling emergency due to fire, explosion etc.
- Details regarding alert system like emergency detection and alarm.
- Notification of place of gathering of workers and staff at the time of emergency.
- Information in detail, regarding any disaster, which might have occurred in factory.
- Provisions of main control for 24 hours to use at the time of emergency.
- Arrangement regarding maintenance of different equipments, control measures and safe procedure of work so that they shall work effectively.
- A statement of all possible source of accidents involving fire, explosion, and plan of showing the place of above accidents with the facilities to control the emergency near the place and at the control place.
- OFF-SITE emergency services that is a link between ON-SITE and OFF-SITE Emergency Plan. While preparing this plan, the following documents have been referred and thankful to those for their contribution.
- As per Gujarat Disaster Management Act, as requested shall assist the State Government, the Commissioner and the Collector in all disaster management activities and should prepare a disaster management plan in conformity with the other disaster management plans of local authorities, departments of Government having regard to the guidelines laid down in this behalf by the Authority.
- Each factory shall be responsible for effective implementation of the plan drawn up by it in this behalf. Each private and public sector entity shall provide assistance to the Authority, the Commissioner, the Collector and take such other steps as may be necessary for disaster management.

## Objectives

To define and assess emergencies, including risk and environment impact assessment.

- To control and contain incidents.
- To safeguard employees and people in vicinity.
- To minimize damage to property or/and the environment.
- To inform employees, the general public and the authority about the hazards/risks assessed, safeguards provided, residual risk if any and the role to be played by them in the event of emergency.
- To be ready for 'mutual aid' if need arises to help neighbouring unit. Normal jurisdiction of an OEP is limited to the own premises only, but looking to the time factor in arriving the external help or off-site plan agency, the jurisdiction must be extended outside to the extent possible in case of emergency occurring outside.
- To inform authorities and mutual aid centres to come for help.
- To effect rescue and treatment of casualties. To count injured.
- To identify and list any dead.
- To inform and help relatives.
- To secure the safe rehabilitation of affected areas and to restore normalcy.
- To provide authoritative information to the news media.
- To preserve records, equipment etc, and to organise investigation into the cause of the emergency and suggest preventive measures to stop its recurrence.
- To ensure safety of the works before personnel re-enter and resume duty.
- To work out a plan with all provisions to handle emergencies and to provide necessary inputs for emergency preparedness and the periodical rehearsal.

## Compliance of Risk Assessment &amp; Disaster Management Plan

Sr. No.	CONDITIONS	COMPLIANCE
I	On-site Emergency Planning	Complied Onsite emergency plan is prepared as per DISH, Govt. of Gujarat guidelines & followed. Cover page and index of the on-site emergency plan is enclosed as <a href="#">Annexure 17</a>
1	Preventive and predictive systems a. Protective systems b. Personal protective equipment	Complied a. Unit adheres to protective systems such as Safe Operating Procedure, Permit to work, Process Safety Interlocks, Training & Competency building, standard maintenance practices, HIRA/JSA, etc.. b. Unit ensures the use of Mandatory PPEs like Helmet safety Shoes, Safety goggles, face mask & Job specific PPEs like Cartridge gas mask, Breathing air, PVC Suit Etc.
2	Mock drill and simulation exercises	Complied Mock drills are being conducted as per the defined schedule considering the recommendations from Gujarat factory rules.
3	Mutual aid scheme	Complied The Mutual Aid Scheme is in place and operational & the same is enclosed herewith as <a href="#">Annexure-18A</a>
4	Communication medical facilities	Complied. Well equipped OHC is functioning under the supervision of qualified Factory Medical Officers.
5	Reporting to external agencies	Complied Unit is reporting to DISH as per the requirement stipulated in Gujarat Factory Rules.
II	<b>Off-site Emergency Planning</b>	
1	Educating the people around	Complied Unit is participating in the Off site Emergency planning and drill to educate people. Coordination and communication as and when required is also ensured.
2	Mock drills	Complied Unit is participating in the mock drill conducted by District Authorities.

## Annexure-16

### Compliance of Risk Assessment & Disaster Management Plan

3	Communication	Complied Unit ensures adequate communication to all applicable authorities & as and when required.
4	Transport	Complied Unit has an adequate and dedicated emergency transport facility.
5	Medical facilities	Complied, Unit has tied up with Hospitals to cater off-site medical emergencies.
6	Coordination	Complied Unit has formulated a Task force including experts from all disciplines to handle any off-site emergencies with better coordination.
7	Evacuation	Complied Evacuation will be ensured as per the off-site emergency plan.
8	Mutual aid scheme	Complied The Mutual Aid Scheme is in place and operational & the same is enclosed herewith as <a href="#">Annexure-18A</a>

AGREEMENT FOR MUTUAL AID

This agreement is made at Jhagadia industrial estate, Jhagadia, Dist.: Bharuch on 1<sup>st</sup> September 2018 between the following companies.

Sr No	Name of the company	Address for communication
1	UPL Ltd.(Unit 5)	UPL Ltd Plot no 746 / 750 ,GIDC , Jhagadia Dist. :Bharuch ,State: Gujarat
2	DCM SHRIRAM Ltd. (Unit: Shriram Alkali & Chemicals)	DCM SHRIRAM LTD. (unit: Shriram Alkali & Chemicals) Plot no: 749, GIDC Industrial Estate, Jhagadia, Dist Bharuch State: Gujarat
3	LAKSHESS INDIA PVT. LTD.	PLOT NO. 748/2A, 3, 4A, 4B GIDC MEGA ESTATE JHAGADIA-393110 DIST BHARUCH
4	Vandhaman Azrylics Ltd.,	755, GIDC, Jhagadia Bharuch - 393110 asunbhasadi@vandhaman.com
5	SAINT GOBAIN INDIA PVT LTD	PLOT No 36, GIAC JHAGADIA BHARUCH - 393110
7	EVONIK SPECIALTY SILICA INDIA PVT. LTD	PLOT No-754, GIDC JHAGADIA DIST - BHARUCH STATE - GUJARAT
8	KOHLER INDIA PVT. LTD.	PLOT NO. 828, GIDC MEGA JHAGADIA-393110, DIST BHARUCH
9	Pepsi Co India Holding prf Ltd., Jhagadia.	plot NO. 97, GIDC Jhagadia, Dist. Bharuch state - Gujarat
10	AARTI INDUSTRIES LTD	PLOT No. 758-1/2/3 & 758/2A- 3A-13, 4A-13, 5A-13, 6/7 & 77 GIDC MEGA ESTATE JHAGADIA-393110, DIST BHARUCH

# MUTUAL AID AGREEMENTS

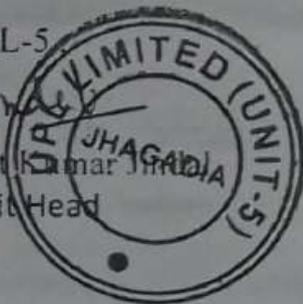
AS PER GUIDELINES OF FACTORIES ACT AND DIRECTOR OF INDUSTRIAL SAFETY AND HEALTH, WE SIGNATORIES OF THIS LETTER AGREE TO EXTEND MUTUAL HELP TO EACH OTHER AMONG THE GROUP AT THE TIME OF EMERGENCY ARISING DUE TO FIRE, GAS LEAK, EXPLOSION AND NATURAL CALAMITIES.

WE AGREE TO PROVIDE EQUIPMENT AND MANPOWER FOR CONTROLLING FIRE AND GAS LEAK AND ALSO TO SPARE RESOURCES FOR FIRST AID, RESCUE TRANSPORT, EVACUATION, COMMUNICATION AND SHELTER. THE COST OF CONSUMABLE WILL BE PAID BY AID DEMANDING INDUSTRY AS PER ACTUAL.

WE ALSO AGREE TO REVIEW AND UPDATE INFORMATION RELATED TO EMERGENCY PREPAREDNESS IN ANNEXURE -A ON A QUATERLY BASIS.

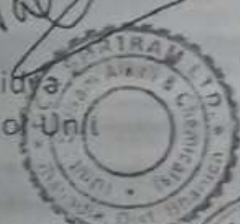
FOR UPL-5

Mr. Subhat Kumar Jhagadia  
Unit Head



FOR DCM SHRIRAM LTD

Mr. K R Vaidya  
Sr. VP & Head of Unit



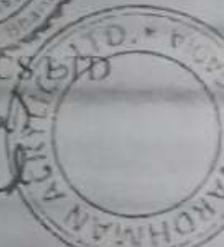
FOR LANXESS INDIA P. LTD

(D.G. Dattaprasad Talekar  
FOR SAINT GOBIN  
S SELVAKUMAR)  
PLANT HEAD.



FOR VARDHMAN ACRYLICS LTD

Mr. Arun Bhandari  
Unit Head



FOR EVONIK SPECIALTY SILICA INDIA PVT. LTD.

Mr. Pramod Lokhande  
FOR AARTI INDUSTRIES LTD



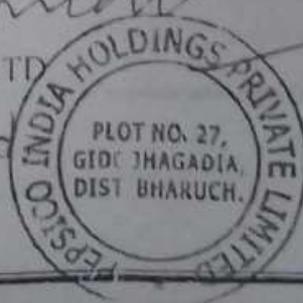
FOR KOHLER INDIA P. LTD

Mr. Vipinkumar



FOR PEPSICO HOLDING INDIA PVT. LTD

Mr. C. S. Guruprasad  
Unit Head



(Sandeep Chakrawar)



**VISION POWER FACTx**

POWER QUALITY – ENERGY AUDITS – SAFETY AUDITS – POWER SYSTEM STUDIES

## **AREA CLASSIFICATION REPORT**

**Client: Aarti Industries**

**Location: Jhgadla – Gujarat Plant**

**Unit 1 & Unit 2**



# VISION POWER FACTx

POWER QUALITY – ENERGY AUDITS – SAFETY AUDITS – POWER SYSTEM STUDIES

## PROLOGUE

Area Classification Review or Hazardous Area Classification Review audit was conducted at Aarti Industries Ltd., Jhagadia GIDC in Gujarat. Aarti Industries Ltd. has two Units (Unit 1 & Unit 2) and both the units were covered in the Audit.

Area Classification Review involves in principle, a survey of electrical apparatus operating in plant where the process involves use of chemicals in liquid, gaseous, or powder form and reactions are brought about on large scale. The energy used in the process is largely deployed through apparatus/machinery using electrical power through electric motors and other electrical apparatus. Also, power electronic and automation devices operating under the environment come under the scope of review.

This report includes begins with basics of Area Classification, approach and methodology taken during Area classification Review, and finally area wise observations and finally recommendations for enhancing safety measures.

Audit was completed by the team members mentioned below in three visits to the plant.

Pradip Thakur

Prashant Samant

Tushar Jagdale

Dipti Dhakan

Rakesh Chouhan

Prasahnt Savant

It is hoped that the contents of the reports, suggestions and findings will be appreciated.

The filed team thanks all concerned engineers and managers for extending best of their cooperation and also sharing necessary information to the field team during the area classification review at the site.

**For Vision Power Factx**

**Authorized Signatory**



# VISION POWER FACTx

POWER QUALITY – ENERGY AUDITS – SAFETY AUDITS – POWER SYSTEM STUDIES

## 1.0 BASICS OF AREA CLASSIFICATION

### EXPLOSION DUE TO FLAMMABLE GASES & VAPOURS:

The chemicals being used enter the surrounding (in the form of vapours, mist or gas) OR may be present in the powder form. If inflammable, these gases, vapours, mist or suspended particles may reach concentration levels good enough to cause explosion if the operating electrical apparatus lets out spark. Also, should the surface temperature of electrical apparatus reach the point where given concentration above LEL (Lower Explosive Limit) of flammable gases, vapours reach Auto Ignition point there can be an explosion.

### EXPLOSION DUE TO FLAMMABLE DUST:

Five elements are necessary to initiate a dust explosion, often referred to as the “Dust Explosion Pentagon”.

1. Combustible dust (fuel);
2. Ignition source (heat); and,
3. Oxygen in air (oxidizer).

An additional two elements must be present for a combustible dust explosion:

4. Dispersion of dust particles in sufficient quantity and concentration; and,
5. Confinement of the dust cloud.

Area Classification as per IEC has Zone 0, Zone 1 & Zone 2 for protection against flammable volatile liquids, Mist, Gases and Vapours.

Area Classification as per IEC has Zone 20, Zone 21 & Zone 22 for protection against flammable dust particles.

The zone classification is based on the likelihood and the duration of an explosive atmosphere.

It is all about ensuring that electrical and power electronic equipment or apparatus or system design as well as installation meets with the criteria of Zone classifications.

### **Zone 0:**

Is where, flammable substances in the form of gas, vapour or mist can remain present continuously or frequently. Such areas for example could be: Most often closed process vessels, closed storage tanks and closed containers IP 15 stipulates presence of flammable gases, vapours or mists for more than 1000 hours per Annum.

### **Zone 1:**

Is where, flammable substances in the form of gas, vapour or mist are likely to occur in normal operation occasionally. Gas generator rooms inadequately ventilated pump rooms for flammable gases or for



# VISION POWER FACTx

## POWER QUALITY – ENERGY AUDITS – SAFETY AUDITS – POWER SYSTEM STUDIES

volatile flammable liquids IP 15 stipulates between presence of flammable gases, vapours or mists between 10 hours to 1000 hours per Annum.

### **Zone 2:**

Is where explosive atmosphere consisting of air mixed with flammable substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

For an area to qualify as Zone 2 the following are the requirements.

1. The area is so well ventilated that if an abnormal conditions arises, ignitable concentrations of the gas or vapour are rapidly dispersed.
2. And complete segregation from Zone 1 locations is ensured.

IP 15 stipulates: flammable vapours or gases of less than 10 hours per annum

### **GAS GROUP & TEMPERATURE CLASS:**

When performing Hazardous area zoning and compliances it necessary to look into **Two More** aspects.

1. Gas Group of flammable Atmosphere
2. Temperature Class for flammable Atmosphere

Explosion protected apparatus suitable for a Zone 1 area such as Flameproof (Ex d) apparatus is automatically suitable for all Zone 1 locations. This is misconception. The gas group of the environment also needs to be considered.

- a) **Group I** : Electrical equipment for mines susceptible to methane, &
- b) **Group II** : Electrical equipment for all places with an explosive gas atmosphere, other than mines susceptible to methane.

Group II is then further divided into subgroups II A, II B or II C.

If any equipment is certified for use in Gas Group IIC, it can be used for Gas Groups II B and II A.

If any equipment is certified for use in Gas Group IIB, it can be used for Gas Groups II A.

If any equipment is certified for use in Gas Group IIA, it cannot be used for Gas Groups II B and II C.



**FORM NO. 33**  
(Prescribed under Rule 68-T and 102)

**Certificate of Fitness of employment in hazardous process and operations.**

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

- |    |  |  |
|----|--|--|
| 1. | Serial number in the register of adult workers | : 57005572                             |
| 2. | Name of the person examined                    | : Barambhanbha Jatesh Chitharbhaji     |
| 3. | Father's Name                                  | : Chitharbhaji                         |
| 4. | Sex  | : male                                 |
| 5. | Residence                                      | : 8813 Ishwar Nagar Soc Punwaraj SURAR |
| 6. | Date of birth, if available                    | : 07/05/1996                           |
| 7. | Name & address of the factory                  | : Aarti Industries Ltd Jhagadia        |
| 8. | The worker is employed/proposed                | :                                      |
|    | (a) Hazardous process                          | :                                      |
|    | (b) Dangerous operation                        | :                                      |

I certify that I have personally examined the above named person whose identification marks are male near right eyes and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 28 years.

In my opinion  he/she is  fit for employment in the Said manufacturing process/operation.

In my opinion he/she is  unfit for employment in the said manufacturing process/operation for the reason ..... He/She is referred for further examination to the Certifying Surgeon.

The serial number of previous certificate is .....

*Jatesh*  
Signature or left hand thumb impression of the person examined :  
*Jatesh*

*[Signature]*  
16/09/24  
DR. Balbhadrasinh Vasava  
MBBS, CIH  
G-54854

Signature of the Factory Medical Officer :  
Stamp of factory Medical Officer with Name of the Factory :

I certify that I examined the person mentioned above on (date of Examination)	I extend this certificate unfit (if certificate is not extended, the period for which the worker is considered unfit for work is to be mentioned)	Signs and symptoms observed During examination	Signature of the Factory medical Officer with date.
16/05/24			<i>[Signature]</i> <u>16/09/24</u>

Notes :

1. If declared unfit, reference should be made immediately to the Certifying Surgeon.
2. Certifying Surgeon should communicate his findings to the occupier with 30 days of the receipt of this reference.]

## Annexure-20

### CSR/CER Activities from Apr'24 to Sep'24

Sr No.	Plant Location	Name of Associated NGO	Nature of Work	Expended Amount (INR)	Beneficiary Students / Peoples	Impact on People's Life
1	AIL Jhagadia	Farmbridge	Farmer's Awareness & Training	400000	500 Farmers per Month 6000 Farmers per year for a period of 3 years	1. Increase in Farmer's Income 2. Decrease in Input Cost 3. Climate Change Adaptation in Agriculture 4. Soil Health Improvement
2	AIL Jhagadia	Gram Vikas Trust	Vidhya Sathi Project at 69 Government schools of Bharuch district. Total 78 teachers & 3 project co-ordinators	3400000	Students of 69 Gov. Schools	To enhance school student level in Education to Government Schools.
3	AIL Jhagadia	Chauhan Brothers	Water Drip Irrigation System installed through Infrastructure Upgradation Project in Police Headquarter	236000	-	Development of Infrastructure @ SP Office, Bharuch
4	AIL Jhagadia	Sharda Mahila Vikas Society, Jhagadi (Sewa Rural)	Provide Uniform to the students of Fulwadi Village School	98320	-Benefit 151 Students -Stitching charges pay to Mahila Vikas Society	Development of Student & Women Society
5	AIL Jhagadia	VSSM Foundation	Greenbelt Development & Care of Trees	110000	Protect Environment Surrounding Area	Protect Environment
6	AIL Jhagadia	Gram Vikas Trust	Aarti Play School (Hindi Medium)	600000	For education of 4 to 6 year child (70 Students)	To get the beneficiary to migrated workers family & motivate their children for education
<b>Total</b>				<b>4844320</b>		





QCI-NABET Accredited EIA  
Consultant Organization

TC-7753  
GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT**

**AMBIENT NOISE LEVEL MONITORING REPORT**

<b>ULR - TC775324000009926F</b>			
<b>Test Report No.:</b>	<b>URA/24/09/AIL-J/AN-001</b>	<b>Date Of Report:</b>	<b>03/10/2024</b>
<b>Name &amp; Add. of Industries</b>	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
<b>Sampling Method</b>	<b>IS : 9989 : 1981</b>		

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2024	01/02/2025

Date and Time of Monitoring : 13 & 14/09/2024

**Result**

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time (6:00 – 22:00)	Night Time (22:00 – 6:00)	Day Time	Night Time
1.	Near VIP Gate	63.5	60.8	75 dB (A)	70 dB (A)
2.	Near Material Gate	65.9	58.5	75 dB (A)	70 dB (A)
3.	Near CN1 2 3 Nox Scrubber Area	70.5	65.3	75 dB (A)	70 dB (A)
4.	Near U/G Benzene Storage Area	66.7	61.9	75 dB (A)	70 dB (A)
5.	Near Gate No 2	70.7	65.5	75 dB (A)	70 dB (A)
6.	Near 30 TPH Boiler Area	68.2	64.1	75 dB (A)	70 dB (A)
7.	Near Acid Tank Farm Loading/Unloading Area	69.7	64.8	75 dB (A)	70 dB (A)
8.	150 KLD SBT Area	66.0	52.4	75 dB (A)	70 dB (A)
9.	Near NT Tank Farm	58.3	59.8	75 dB (A)	70 dB (A)
10.	Near MBR STP	67.8	62.7	75 dB (A)	70 dB (A)

<b>Remarks:</b>
<b>Opinion &amp; Interpretation (if required):</b>

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

**Checked By:**

  
Nikunj D. Patel  
(Chemist)

**Authorized By:**

  
Jaivik S. Tandel  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT  
AMBIENT NOISE LEVEL MONITORING REPORT**

<b>ULR - TC775324000009926F</b>			
<b>Test Report No.:</b>	<b>URA/24/09/AIL-J/AN-001</b>	<b>Date Of Report:</b>	<b>03/10/2024</b>
<b>Name &amp; Add. of Industries</b>	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
<b>Sampling Method</b>	<b>IS : 9989 : 1981</b>		

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

<b>Instrument Id No.</b>	<b>Instrument Name</b>	<b>Serial Number</b>	<b>Cali. Date</b>	<b>Next Cali. Date</b>
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2024	01/02/2025

Date and Time of Monitoring : 13 & 14/10/2024

**Result**

<b>DISCIPLINE – CHEMICAL TESTING</b>		<b>NAME OF GROUP – ATMOSPHERIC POLLUTION</b>			
<b>Sr. No.</b>	<b>Location</b>	<b>Noise Level dB(A)</b>		<b>Permissible Limit CPCB</b>	
		<b>Day Time (6:00 – 22:00)</b>	<b>Night Time (22:00 – 6:00)</b>	<b>Day Time</b>	<b>Night Time</b>
11.	Near Ash Silo (CPP Plant)	53.1	66.7	75 dB (A)	70 dB (A)
12.	Near ETP Expansion	59.9	55.4	75 dB (A)	70 dB (A)
13.	Near Utility DM Plant	74.2	68.8	75 dB (A)	70 dB (A)
14.	Near NEW ETP	73.1	68.8	75 dB (A)	70 dB (A)
15.	Near Utility RO Section	64.0	61.3	75 dB (A)	70 dB (A)

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

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

**Remarks:**

**Opinion & Interpretation (if required):**

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

**Checked By:**

  
Nikunj D. Patel  
(Chemist)

**Authorized By:**

  
Jaivik S. Tandel  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT  
WORKPLACE NOISE LEVEL MONITORING REPORT**

<b>ULR - TC775324000009928F</b>			
<b>Test Report No.:</b>	<b>URA/24/09/AIL-J/WN-001</b>	<b>Date Of Report:</b>	<b>03/10/2024</b>
<b>Name &amp; Add. of Industries</b>	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
<b>Sampling Method</b>	<b>IS : 4758 : 1968</b>		

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2024	01/02/2025

Date and Time of Monitoring : 10/09/2024

**Result**

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION	
Sr. No.	Location	Noise Level dB(A)	Permissible Limit TWA (8 hrs.)
1.	Near D.G Set (1-4), PDC 1	70.3	85 dB (A)
2.	CLA Plant (Scrubber System)	72.2	85 dB (A)
3.	PCA Flaker	68.4	85 dB (A)
4.	Methanol Recovery Section (PPPPU Pump)	69.8	85 dB (A)
5.	Near Vacuum Pump (MEE 1 Plant)	69.9	85 dB (A)
6.	Near D.G Set (5&6), PDC 2	65.9	85 dB (A)
7.	MEE 2 3 4 Vacuum Pump	79.8	85 dB (A)
8.	Near AIR Compressor (17 & 30 TPH Boiler)	78.5	85 dB (A)
9.	150 KLD SBT Ozone Generator Vacuum Pump	66.6	85 dB (A)
10.	400 KL Aeration Tank Blower	80.9	85 dB (A)

**TWA:** Time Weighted Average.

<b>Remarks:</b>
<b>Opinion &amp; Interpretation (if required):</b>

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

**Checked By:**

  
Nikunj D. Patel  
(Chemist)

**Authorized By:**

  
Jaivik S. Tandel  
(Manager - Operations)



QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-11)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

**TEST REPORT  
WORKPLACE NOISE LEVEL MONITORING REPORT**

<b>ULR - TC77532400009928F</b>			
<b>Test Report No.:</b>	<b>URA/24/09/AIL-J/WN-001</b>	<b>Date Of Report:</b>	<b>03/10/2024</b>
<b>Name &amp; Add. of Industries</b>	<b>M/s. Aarti Industries Limited.</b> Plot No. 758/1-2-3, GIDC Estate, Jhagadia, Taluka - Jhagadia Dist. Bharuch (393110), Gujarat, India.		
<b>Sampling Method</b>	<b>IS : 4758 : 1968</b>		

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

<b>Instrument Id No.</b>	<b>Instrument Name</b>	<b>Serial Number</b>	<b>Cali. Date</b>	<b>Next Cali. Date</b>
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2024	01/02/2025

Date and Time of Monitoring : 10/09/2024

**Result**

<b>DISCIPLINE – CHEMICAL TESTING</b>		<b>NAME OF GROUP – ATMOSPHERIC POLLUTION</b>	
<b>Sr. No.</b>	<b>Location</b>	<b>Noise Level dB(A)</b>	<b>Permissible Limit TWA (8 hrs.)</b>
11.	Near ESP (CPP Plant)	83.1	85 dB(A)
12.	Near ESP (30 TPH Boiler)	81.1	85 dB(A)
13.	WTP Air Compressor (CPP Plant)	84.9	85 dB(A)
14.	Coal Conveyer Belt (CPP Plant)	74.2	85 dB(A)
15.	New Vacuum Skid & Surrounding Road	83.9	85 dB(A)

**TWA:** Time Weighted Average.

<b>Remarks:</b>
<b>Opinion &amp; Interpretation (if required):</b>

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

**Checked By:**

  
Nikunj D. Patel  
(Chemist)

**Authorized By:**

  
Jaivik S. Tandel  
(Manager - Operations)



No. DyCEI/VDR/EAR/ 570 /2022-23

(0265) 2436270

Dtd: 16/3/2023

Annexure-22

### LETTER OF ACCEPTANCE OF ENERGY AUDIT REPORT

The Following Energy Audit report has been submitted to this office.

Name & Address of the Consumer : Aarti Industries Limited, plot. No.758/1,2,& 3, 576 /2& 3( A &B) 756/4(A&B )756/5(A&B)756/6, 756/7,756/8,756/9,778,779,GIDC Jhagadia, Dist. Bharuch -393110

Name & Address of the Auditor : Devaki Energy Consultancy PVT.LTD ,405 " IVORY TERRACE "R.C. Datt Road Vadodara 390007

Consumer No. : **39652**

Date of Submission : 13-12-2022

Contract Demand : 12500 KVA

This is to informed that the above audit report has been found as per the format prescribed by this department and hence the same has been accepted subject to condition that the Energy Auditor shall submit two follow up reports, each at an interval of six months, within one year from the date of submission of this report to this office. After submission of two follow up reports, required certificate will be issued.

  
(V K Purohit)  
Dy.-Chief Electrical Inspector,  
South Zone, Vadodara

To,

- (1) Aarti Industries Limited, plot. No 758/1,2,& 3, 576 /2& 3( A &B) 756/4(A&B )756/5(A&B)756/6,756/7, 756/8,756/9,778,779,GIDC Jhagadia, Dist. Bharuch -393110
- (2) Devaki Energy Consultancy PVT.LTD ,405 " IVORY TERRACE "R.C. Datt Road Vadodara 390007
- (3) Office Copy

# **ENERGY AUDIT REPORT**

**AARTI INDUSTRIES LIMITED,  
Jhagadia, Gujarat**

**Consumer no. 39652**

**Conducted by**



**DEVKI ENERGY CONSULTANCY PVT. LTD.**  
**VADODARA, INDIA**  
[www.devkienergy.com](http://www.devkienergy.com)

**2022**

## **ACKNOWLEDGEMENTS**

We thank the management of Aarti Industries, Jhagadia for entrusting the Energy Audit study to us. Our special thanks are due to the following persons for the co-operation extended to the energy audit team during the Energy Audit Study.

Mr. Ronak Kabra  
Mr. Shailesh Aghera  
Mr. Manish Pavasiya  
Mr. Chatur Sambhoji  
Mr. Vaseem Gazi  
Mr. Smit Chauhan  
Mr. Dipal Desai  
Mr. Sankha Choudhury  
Mr. Manjay Sharma  
Mr. S S Devkar  
Mr. Anudeep Thorat  
Mr. Chetan Lad  
Mr. Mohsin Dange  
Mr. Rahul Bansal  
Mr. Prashant Zala  
Mr. Aamir Rangrej  
Mr. Ankit Tiwari  
Mr. Prem Mohite  
Mr. Yogesh Goti  
Mr. Kuldeep Parmar  
Mr. Archan Patel  
Mr. Chintan Jethva  
Mr. Vaibhav Patel  
Mr. Randhir Rana  
Mr. Vinod Patel  
Mr. Vipul Modi

We also thank all members in Production and Maintenance departments for assisting us in measurements and data collection.

### Energy Audit Team

Mr. R. Paraman (Accredited Energy Auditor)  
Ms. Ashwini Malvaniya  
Mr. Prashant Jha  
Mr. Kishan Parmar  
Mr. Vijay Singh Patel  
Mr. Vrittansh Srivastava



**Government of Gujarat**  
**Forests & Environment Department**

**GUJARAT CLEANER PRODUCTION AWARD 2014-15**

*This is to certify that*

*M/s. Marti Industries Limited (Unit-3), Thagadia*

*is conferred upon the Gujarat Cleaner Production Award in Barge Scale Sector  
for outstanding achievement in implementing the Cleaner Production Practices.*

  
**Smt. D. Tharva, IAS**  
Chairperson

Gujarat Cleaner Production Centre

  
**Arvind Agarwal, IAS**  
Additional Chief Secretary  
Forests & Environment Department, GoG





**GOVERNMENT OF INDIA**  
**MINISTRY OF CORPORATE AFFAIRS**

Registrar of Companies, Ahmedabad  
RoC Bhavan , Opp Rupal Park Society , Behind Ankur Bus Stop , Naranpura  
Ahmedabad - 380013

Corporate Identity Number: L24110GJ1984PLC007301

( SECTION 66(5) OF THE COMPANIES ACT, 2013 )

**CERTIFICATE OF REGISTRATION OF ORDER CONFIRMING REDUCTION OF CAPITAL**

M/s AARTI INDUSTRIES LTD having by special resolution passed on 13/02/2015 reduced its capital, and such reduction having been confirmed by an order dated 31/07/2015 of the Hon'ble HIGH COURT OF GUJARAT, HIGH COURT OF GUJARAT AT AHMEDABAD passed in Petition number 116 of 2015. I hereby certify that a copy of the said order and Minutes approved by the Hon'ble High Court of HIGH COURT OF GUJARAT AT AHMEDABAD showing the particulars of the capital and shares of the company as altered by the said order have this day been registered.  
Given under my hand at Ahmedabad this Eighteenth day of September Two Thousand Fifteen.

Signature  
valid

Digitally signed  
by Minister of  
Corporate Affairs  
Date: 2015.09.18  
11:49:50  
GMT+05:30

Rathod Kamleshkumar Gangjibhai  
Assistant Registrar of Companies  
Registrar of Companies  
Ahmedabad

Mailing Address as per record available in Registrar of Companies office:  
AARTI INDUSTRIES LTD  
PLOT NO 801/23 GIDC ESTATEPHASE III, VAPI - 396195,  
Gujarat, INDIA



**OFFICE OF THE REGISTRAR OF COMPANIES, GUJARAT.**

**FORM - II**

[See Regulation 20]

Memorandum Acknowledging Receipt of Documents

Co. No. 04-7301.

The Registrar of companies acknowledges the receipt of the  
undermentioned document relating to AARTI INDUSTRIES

LIMITED.

Private Limited / Limited.

Description of Document :- Form No 23 alongwith special Resolution passed  
on 28/8/2002 U/S 17 of the Companies Act, 1956  
for alteration in ~~memorandum~~/other clause of the  
Memorandum of Association is taken on this office  
record on 26/9/2002.



*(Signature)*  
( U.S. PATCLE )

**ASSTT. REGISTRAR OF COMPANIES,**

**GUJARAT**

Date 26/9/2002.

प्राकृत्य II  
FORM II

[विनियम 20 देखिए]  
[See Regulation 20]

दस्तावेजों की प्राप्ति अभिस्वीकृत करने वाला ज्ञापन  
Memorandum acknowledging receipt of documents



संख्या .....

No. 04-7301

कम्पनियों के रजिस्ट्रार का कार्यालय  
OFFICE OF THE REGISTRAR OF COMPANIES

कम्पनियों का रजिस्ट्रार .....

..... परिसीमित से सम्बन्धित निम्नलिखित दस्तावेज की प्राप्ति अभिस्वीकार करता है।

The Registrar of companies acknowledges the receipt of the undermentioned document relating to.....

M/S. ~~.....~~ AARTE INDUSTRIES LIMITED .....

दस्तावेज का वर्णन Form No. 23, alongwith Special Resolution passed

Description of document on 16.6.2000, U/s. 17 of the Companies Act

स्टेशन 1956, for alteration in main object clause of

सारीख Memorandum of Association of the company is taken on

Date record by this office on 27.6.2000.

जें० एस० सी-2.

J. S. C-2.

Dt. 27-6-2000

ASSTT.

REGISTRAR OF COMPANIES

प्रभासमटेक-75 सिविल/88-89-भासमटेक(सी-124)-24-8-89-5,000.

महापेटक-75 CIVIL/88-89-DIPTC-(C-124)-24-8-89-5,000.

gujarat

प्रारूप II  
FORM II

[विनियम 20 देखिए]  
[See Regulation 20]

दस्तावेजों की प्राप्ति अभिस्वीकृत करने वाला प्रारूप  
Memorandum acknowledging receipt of documents



04-7301  
संख्या .....  
No.

कम्पनियों के रजिस्ट्रार का कार्यालय  
OFFICE OF THE REGISTRAR OF COMPANIES

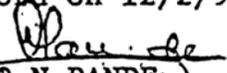
कम्पनियों का रजिस्ट्रार .....

..... परिशिष्टित से सम्बन्धित निम्नलिखित दस्तावेज की प्राप्ति अभिस्वीकार करता है।  
The Registrar of companies acknowledges the receipt of the undermentioned document relating to.....  
..... **AARTI INDUSTRIES LIMITED**..... Limited.

दस्तावेज का वर्णन।  
Description of document. The Form No.23 alongwith special Resolution  
स्टेशन  
Station passed u/s.17 of the Companies Act,1956 on  
तारीख  
Date 26/08/97 has been taken on record on 12/2/98.

12/02/98

जे० एल० सी-2.  
J. S. C-2.

  
( O. N. PANDE )  
कम्पनियों का रजिस्ट्रार  
ASST. REGISTRAR OF COMPANIES

भासमुटेक-75 सिविल/88-89-भासमुटेक(सी-124)-24-8-89-5,000.  
भासमुटेक-75 सिविल/88-89-भासमुटेक(सी-124)-24-8-89-5,000.