

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

ID: 58381

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

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

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

Respected Sir,

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

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

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

Thanking You
Yours faithfully,

For Aarti Industries Limited

For AARTI INDUSTRIES LTD.

Authorized Signatory

Authorised Signatory

Encl: EC Compliance with Annexures.

COPY TO:

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


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


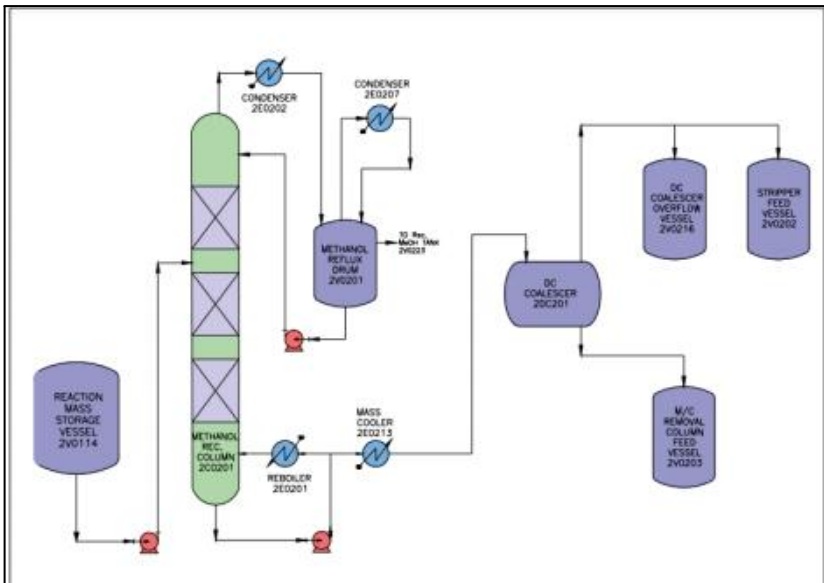
Compliance report of Environmental Clearance File No. SEIAA/GUJ/EC/5(f)/391/2018 Dated. 31/03/2018, Oct-2024 to Mar-2025

Sr. No .	Name of Product	CAS No.	Total Quantity (MT/month)	Application	Status																								
Organic Chemicals																													
1	2, 5 Dichloro Aniline	95-82-9	1815	It is a precursor to dyes, chemical intermediates and pigments.	<div>Complied</div> <table><thead><tr><th rowspan="2">Month</th><th colspan="2">Production (MT)</th></tr><tr><th colspan="2">2, 5 Dichloro Aniline</th></tr></thead><tbody><tr><td>Oct -24</td><td colspan="2">874</td></tr><tr><td>Nov -24</td><td colspan="2">235</td></tr><tr><td>Dec-24</td><td colspan="2">795</td></tr><tr><td>Jan -25</td><td colspan="2">1008</td></tr><tr><td>Feb-25</td><td colspan="2">608</td></tr><tr><td>Mar -25</td><td colspan="2">905</td></tr></tbody></table> <div>All products are under prescribed limits.</div>	Month	Production (MT)		2, 5 Dichloro Aniline		Oct -24	874		Nov -24	235		Dec-24	795		Jan -25	1008		Feb-25	608		Mar -25	905		
Month	Production (MT)																												
	2, 5 Dichloro Aniline																												
Oct -24	874																												
Nov -24	235																												
Dec-24	795																												
Jan -25	1008																												
Feb-25	608																												
Mar -25	905																												
2	2. 5 Dichloro Phenol	583-78-8	1500	Dichlorophenols are used as intermediates in the manufacture of more complex chemical compounds. It will be used as a raw material for chemical intermediates.	<div>Complied</div> <table><thead><tr><th>Month</th><th colspan="2">Production (MT)</th></tr></thead><tbody><tr><td>Oct -24</td><td colspan="2">281</td></tr><tr><td>Nov -24</td><td colspan="2">52</td></tr><tr><td>Dec-24</td><td colspan="2">233</td></tr><tr><td>Jan -25</td><td colspan="2">207</td></tr><tr><td>Feb-25</td><td colspan="2">122.9</td></tr><tr><td>Mar-25</td><td colspan="2">160</td></tr></tbody></table>	Month	Production (MT)		Oct -24	281		Nov -24	52		Dec-24	233		Jan -25	207		Feb-25	122.9		Mar-25	160				
Month	Production (MT)																												
Oct -24	281																												
Nov -24	52																												
Dec-24	233																												
Jan -25	207																												
Feb-25	122.9																												
Mar-25	160																												
Inorganic Chemicals																													
1	Nitrosyl Sulphuric Acid	7782-78-7	1470	Used in organic chemistry to prepare diazonium salts from amines	<div>Complied</div> <table><thead><tr><th>Month</th><th colspan="2">Production (MT)</th></tr><tr><td></td><th>NSA</th><th>H2SO4</th></tr></thead><tbody><tr><td>Oct -24</td><td>685</td><td>1776</td></tr><tr><td>Nov -24</td><td>939</td><td>294</td></tr><tr><td>Dec-24</td><td>729</td><td>1472</td></tr><tr><td>Jan -25</td><td>342</td><td>1100</td></tr><tr><td>Feb-25</td><td>506.992</td><td>871.2</td></tr><tr><td>Mar -25</td><td>315</td><td>1088</td></tr></tbody></table>	Month	Production (MT)			NSA	H2SO4	Oct -24	685	1776	Nov -24	939	294	Dec-24	729	1472	Jan -25	342	1100	Feb-25	506.992	871.2	Mar -25	315	1088
Month	Production (MT)																												
	NSA	H2SO4																											
Oct -24	685	1776																											
Nov -24	939	294																											
Dec-24	729	1472																											
Jan -25	342	1100																											
Feb-25	506.992	871.2																											
Mar -25	315	1088																											
2	98% Sulphuric Acid	7664-93-9	2350	Used in chemical industry for production of basic synthetic organic chemicals																									

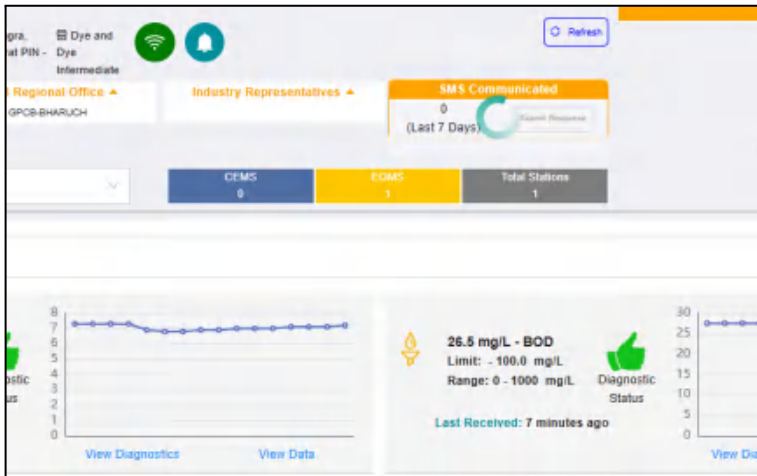
M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch



Total of Organic and inorganic Chemicals	7135 MT/Month	Complied Average production of 4010 MT/Month in the compliance period (Oct 2024 to Mar 2025)
---	----------------------	---

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

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

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


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

		<div></div>																							
8	The unit shall submit the list of authorized end users of above mentioned wastes along with MoU signed with them at least two months in advance prior to commencement of production. In absence of potential buyers of these items, the unit shall restrict the production of respective them.	<p>Complied</p> <p>The Unit has taken membership for incineration from SEPPL and BEIL. The Unit has received a membership certificate for co-processing/ pre-processing from RSPL. Unit has received a Landfill membership certificate from BEIL. The membership details are attached in Annexure-II</p>																							
A.2 WATER																									
9	Total water requirement for the project shall not exceed 1432 KL/Day. Unit shall reuse water 56 KL/Day from RO permeate, 47 KL/Day from STP and 73 KL/Day from the filter section. Hence, fresh water requirement shall not exceed 1312 KL/Day and it shall be met through GIDC water supply only. Prior permission from the concerned authority shall be obtained for withdrawal of water.	<p>Complied</p> <p>Total Water Requirement is not exceeding 1429 KL/Day and fresh water requirement is not exceeding 1253 KL/Day and Recycle water is 56 KL/Day from RO Permeate, 47 KL/Day from STP, 73 KL/Day from Filter Section(SSF) as per CC&A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 & AWH-123267 dated: 18/12/22. Water consumption is under the prescribed limit.</p> <p>WATER CONSUMPTION DETAILS</p> <table><tr><th>Particular</th><th>Unit</th><th>Oct 24</th><th>Nov24</th><th>Dec24</th><th>Jan25</th><th>Feb25</th><th>Mar25</th></tr><tr><td rowspan="2">Fresh Water Consumptions (1253 KLD)</td><td>Total KL/Month</td><td>15358</td><td>12552</td><td>11279</td><td>12601</td><td>10422</td><td>13287</td></tr><tr><td>Average KLD</td><td>495.4</td><td>418.4</td><td>363.8</td><td>406.4</td><td>372</td><td>428.6</td></tr></table> <p>Water consumption is under the prescribed limit.</p>	Particular	Unit	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25	Fresh Water Consumptions (1253 KLD)	Total KL/Month	15358	12552	11279	12601	10422	13287	Average KLD	495.4	418.4	363.8	406.4	372	428.6
Particular	Unit	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25																		
Fresh Water Consumptions (1253 KLD)	Total KL/Month	15358	12552	11279	12601	10422	13287																		
	Average KLD	495.4	418.4	363.8	406.4	372	428.6																		
10	The industrial effluent generation from the project shall not exceed 265 KL/Day.	<p>Complied</p> <p>The effluent generation of the Unit is not exceeding 262 KL/Day as per CC&A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 & AWH-123267 dated: 18/12/22.</p> <p>EFFLUENT GENERATION DETAILS</p> <table><tr><th>Particular</th><th>Unit</th><th>Oct 24</th><th>Nov24</th><th>Dec24</th><th>Jan25</th><th>Feb25</th><th>Mar25</th></tr><tr><td rowspan="2">Industrial Effluent Generation)</td><td>Total KL/Month</td><td>4540</td><td>4295</td><td>5221</td><td>5526</td><td>4542</td><td>4763</td></tr><tr><td>Average KLD</td><td>146.45</td><td>143.16</td><td>168.41</td><td>178.25</td><td>162.21</td><td>153.64</td></tr></table>	Particular	Unit	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25	Industrial Effluent Generation)	Total KL/Month	4540	4295	5221	5526	4542	4763	Average KLD	146.45	143.16	168.41	178.25	162.21	153.64
Particular	Unit	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25																		
Industrial Effluent Generation)	Total KL/Month	4540	4295	5221	5526	4542	4763																		
	Average KLD	146.45	143.16	168.41	178.25	162.21	153.64																		

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

		Waste Water generation is under Prescribed Limits																							
11	The industrial wastewater i.e. Process water + RO Reject (228+37=265 KL/Day) shall be treated in ETP comprising Primary, Secondary and Tertiary treatment plants.	<p>Compiled.</p> <p>The average daily generation of industrial effluent for the monitoring period is 160.05 KL/day. The effluent coming from various plants are collected and treated in ETP consists of Primary, secondary and tertiary treatment facilities. Further treated in RO and discharged to the GIDC pipeline.</p> <p>Details of wastewater Generation (combined for process and utility)</p> <table><tr><th>Particular</th><th>Unit</th><th>Oct 24</th><th>Nov24</th><th>Dec24</th><th>Jan25</th><th>Feb25</th><th>Mar25</th></tr><tr><td rowspan="2">Industrial Effluent to ETP (225 KLD)</td><td>Total KL/Month</td><td>4540</td><td>4295</td><td>5221</td><td>5526</td><td>4542</td><td>4763</td></tr><tr><td>Average KLD</td><td>146.5</td><td>143.1</td><td>168.4</td><td>178.2</td><td>162.2</td><td>153.6</td></tr></table> <p>Wastewater generation is within the prescribed limits</p>	Particular	Unit	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25	Industrial Effluent to ETP (225 KLD)	Total KL/Month	4540	4295	5221	5526	4542	4763	Average KLD	146.5	143.1	168.4	178.2	162.2	153.6
Particular	Unit	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25																		
Industrial Effluent to ETP (225 KLD)	Total KL/Month	4540	4295	5221	5526	4542	4763																		
	Average KLD	146.5	143.1	168.4	178.2	162.2	153.6																		
12	Treated wastewater (265 KL/Day) shall be discharged deep sea (Arabian Sea) through underground pipeline of GIDC after achieving discharge norms prescribed by regulatory authority.	<p>Complied</p> <p>Unit is ensuring discharge treated effluent after conforming to GPCB norms in the underground pipeline of GIDC.</p> <p>GIDC Discharge Details</p> <table><tr><th>Particular</th><th>Unit</th><th>Oct 24</th><th>Nov24</th><th>Dec24</th><th>Jan25</th><th>Feb25</th><th>Mar25</th></tr><tr><td rowspan="2">WasteWater Discharge (KLD)</td><td>Total KL/Month</td><td>4732</td><td>4867</td><td>4898</td><td>5295</td><td>4621</td><td>4386</td></tr><tr><td>Average KLD</td><td>152.64</td><td>162.23</td><td>158</td><td>170.80</td><td>165.0</td><td>141.5</td></tr></table> <p>All the discharge parameters are under prescribed limits</p>	Particular	Unit	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25	WasteWater Discharge (KLD)	Total KL/Month	4732	4867	4898	5295	4621	4386	Average KLD	152.64	162.23	158	170.80	165.0	141.5
Particular	Unit	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25																		
WasteWater Discharge (KLD)	Total KL/Month	4732	4867	4898	5295	4621	4386																		
	Average KLD	152.64	162.23	158	170.80	165.0	141.5																		
13	The domestic wastewater generation shall not exceed 47 KL/Day and it shall be treated in STP and use for gardening/maintaining green belt within premises.	<p>Complied</p> <p>Domestic wastewater is treated in STP. Treated water used for gardening/cooling tower purposes.</p> <p>Domestic Waste Water Generation</p> <table><tr><th>Particular</th><th>Unit</th><th>Oct 24</th><th>Nov24</th><th>Dec24</th><th>Jan25</th><th>Feb25</th><th>Mar25</th></tr><tr><td rowspan="2">Domestic WasteWater (57 KLD)</td><td>Total KL/Month</td><td>596</td><td>567</td><td>736</td><td>562</td><td>430</td><td>419</td></tr><tr><td>Average KLD</td><td>19.22</td><td>18.9</td><td>23.74</td><td>18.12</td><td>15.35</td><td>13.51</td></tr></table> <p>All Domestic waste water generation is under prescribed limits.</p>	Particular	Unit	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25	Domestic WasteWater (57 KLD)	Total KL/Month	596	567	736	562	430	419	Average KLD	19.22	18.9	23.74	18.12	15.35	13.51
Particular	Unit	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25																		
Domestic WasteWater (57 KLD)	Total KL/Month	596	567	736	562	430	419																		
	Average KLD	19.22	18.9	23.74	18.12	15.35	13.51																		
14	During monsoon season when treated sewage effluent may not be required for the plantation/Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case.	<p>Complied</p> <p>The treated STP water is being used for green belt development / Cooling tower. During Monsoon the treated STP water shall be used for cooling tower make up. Also, the Unit has constructed a guard tank for storage of treated water.</p>																							
15	Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.	<p>Complied</p> <p>Unit has an adequate buffer with two water storage tanks each of 300 kl capacity for holding the treated wastewater during the rainy days.</p>																							

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


16	Unit shall provide an online monitoring system on the final discharge line for measuring quantity & quality of waste water as per the guidelines of regulatory authority.	<p>Complied</p> <p>Unit has provided an online monitoring system on the final discharge line for measuring quantity & quality of waste water as per the guidelines. The parameters are measured continuously in the Online System (COD, BOD, TSS, pH & Flow) and the same has been connected to the GPCB & CPCB Server.</p> <p>Screenshot (Image) of continuous online data monitoring at CPCB server attached in Condition No. 6.</p>
17	The unit shall provide metering facility at the inlet and outlet of the ETP and maintain records for the same.	<p>Complied</p> <p>Unit has provided a metering system and maintained the same in the logbook.</p>  <p>The image shows a blue Krohne flow meter. The digital display shows the following readings: TAG, +0.000000 m³/h, Σ1: +203149.6193 m³, and Σ2: +0.000000000 m³. Below the display are four navigation buttons (right, left, down, up) and an ESC button. A label at the bottom of the meter provides identification details: Cer. No. K54241226/F/001, ID No. 9-ET-1002, Call Date: 26/12/24, Due Date: 25/12/25, and a signature. The label also mentions KALINDI ENGINEERING SERVICES.</p>
18	Proper logbook of ETP, chemical consumption, quantities and qualities of effluent discharge and reuse, power consumption etc shall be maintained and shall be furnished to the GPCB from time to time.	<p>Complied</p> <p>Unit is maintaining a logbook of ETP, chemical consumption, quantities and qualities of effluent discharge and reuse, power consumption etc, and is furnished to the GPCB from time to time.</p>

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


A.3 AIR		
19	There shall be no use of any type of fuel for utility or process requirements for the proposed project.	Complied Unit has not used any type of fuel for utility or process requirements for the proposed project.
20	Unit shall provide APCM as mentioned below points for control of process gaseous emissions.	Complied Unit has provided scrubber systems to control gaseous emission across the operations.
21	Unit shall provide a two stage alkali scrubber as APCM with Sulphur Dioxide reaction and Sulphuric Acid plant to control SO ₂ gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with Sulphur Dioxide reaction and Sulphuric Acid plant to control SO ₂ gaseous emission.
22	Unit shall provide a two stage alkali scrubber as APCM with an NSA plant to control SO ₂ gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with an NSA plant to control SO ₂ gaseous emission.
23	Unit shall provide two stage alkali scrubber as APCM with DCP plant to control NO _x & VOC gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with a DCP plant to control NO _x & VOC gaseous emission.

24	Unit shall provide two stage alkali scrubber as APCM with storage tanks to control VOC.	<div>Complied</div> <div>Unit has provided a two stage alkali scrubber as APCM with storage tanks to control VOC. VOCs Monitoring are carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of VOC monitoring from scrubber is attached in Annexure-III</div> <table><tr><th>Sr. No</th><th>Stack Attached to</th><th>APCM</th><th>Parameter</th></tr><tr><td>1</td><td>Scrubber Connected to Sulphur Dioxide reaction and Sulphuric Acid Plant</td><td>Alkali Scrubber</td><td>SO2 Acid Mist/Sulphur Trioxide</td></tr><tr><td>2</td><td>Scrubber Connected to NSA</td><td>Alkali Scrubber</td><td>SO2</td></tr><tr><td>3</td><td>Scrubber Connected to DCP</td><td>Alkali Scrubber</td><td>NOx</td></tr><tr><td>4</td><td>Scrubber Connected to Tank Farm-1</td><td>Alkali Scrubber</td><td>VOC</td></tr><tr><td>5</td><td>Scrubber Connected to Tank Farm-2</td><td>Alkali Scrubber</td><td>VOC</td></tr><tr><td>6</td><td>Common Alkali Scrubber Connected to SO2 Tank Farm</td><td>Alkali Scrubber</td><td>SO2</td></tr><tr><td>7</td><td>DCA Plant vacuum pump storage tank</td><td>Water Scrubber</td><td>VOC</td></tr><tr><td>8</td><td>HNO3 Tank</td><td>3 stage lime scrubber</td><td>NOx</td></tr><tr><td>9</td><td>Liq SO3 and 25% oleum tank</td><td>Acid Scrubber</td><td>SO2</td></tr><tr><td>10</td><td>SAC and TAR plant</td><td>Alkali Spray Scrubber</td><td>SO2 VOC</td></tr><tr><td>11</td><td>DCP Plant: DCA Sulphate Vent</td><td>Ventury Water Scrubber</td><td>SO2 VOC</td></tr></table>	Sr. No	Stack Attached to	APCM	Parameter	1	Scrubber Connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	Alkali Scrubber	SO2 Acid Mist/Sulphur Trioxide	2	Scrubber Connected to NSA	Alkali Scrubber	SO2	3	Scrubber Connected to DCP	Alkali Scrubber	NOx	4	Scrubber Connected to Tank Farm-1	Alkali Scrubber	VOC	5	Scrubber Connected to Tank Farm-2	Alkali Scrubber	VOC	6	Common Alkali Scrubber Connected to SO2 Tank Farm	Alkali Scrubber	SO2	7	DCA Plant vacuum pump storage tank	Water Scrubber	VOC	8	HNO3 Tank	3 stage lime scrubber	NOx	9	Liq SO3 and 25% oleum tank	Acid Scrubber	SO2	10	SAC and TAR plant	Alkali Spray Scrubber	SO2 VOC	11	DCP Plant: DCA Sulphate Vent	Ventury Water Scrubber	SO2 VOC
Sr. No	Stack Attached to	APCM	Parameter																																															
1	Scrubber Connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	Alkali Scrubber	SO2 Acid Mist/Sulphur Trioxide																																															
2	Scrubber Connected to NSA	Alkali Scrubber	SO2																																															
3	Scrubber Connected to DCP	Alkali Scrubber	NOx																																															
4	Scrubber Connected to Tank Farm-1	Alkali Scrubber	VOC																																															
5	Scrubber Connected to Tank Farm-2	Alkali Scrubber	VOC																																															
6	Common Alkali Scrubber Connected to SO2 Tank Farm	Alkali Scrubber	SO2																																															
7	DCA Plant vacuum pump storage tank	Water Scrubber	VOC																																															
8	HNO3 Tank	3 stage lime scrubber	NOx																																															
9	Liq SO3 and 25% oleum tank	Acid Scrubber	SO2																																															
10	SAC and TAR plant	Alkali Spray Scrubber	SO2 VOC																																															
11	DCP Plant: DCA Sulphate Vent	Ventury Water Scrubber	SO2 VOC																																															
25	Unit shall provide two stage alkali scrubber as APCM with storage tanks to control VOC.	<div>Complied</div> <div>Unit has provided a two stage alkali scrubber as APCM with storage tanks to control VOC.</div> <div>The detailed table of APCM is provided in Point No.24</div>																																																

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

26	Diesel to the tune of 660 Lit/hr shall be used as fuel in 2 nos. Of D.G. Set (Standby).	<p>Diesel to the tune of 660 Lit/hr shall be used as fuel in 2 nos. Of D.G. Set (Standby). till 22/09/2021 After then Diesel to the tune of 1800 Lit/hr will be used as fuel in 3 nos. of D.G. Set. As per CC&A Amendment No. AWH - 113931 Dated on 22/09/2021 valid upto 19/02/2025. Records of diesel consumption month-wise given as below:</p> <table><tr><th colspan="7">Diesel Consumption</th></tr><tr><th>Month</th><th>Oct 24</th><th>Nov24</th><th>Dec24</th><th>Jan25</th><th>Feb25</th><th>Mar25</th></tr><tr><th>Limit</th><td colspan="6">1800 Lit/Hr</td></tr><tr><th>Total Diesel Consumption (Litre/Month)</th><td>480</td><td>465</td><td>495</td><td>565</td><td>430</td><td>*2356</td></tr><tr><th>Diesel Consumption (Litre/Hr)</th><td>0.65</td><td>0.65</td><td>0.67</td><td>0.78</td><td>0.64</td><td>3.17</td></tr></table> <p>The total diesel consumption is under prescribed limit</p>	Diesel Consumption							Month	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25	Limit	1800 Lit/Hr						Total Diesel Consumption (Litre/Month)	480	465	495	565	430	*2356	Diesel Consumption (Litre/Hr)	0.65	0.65	0.67	0.78	0.64	3.17
Diesel Consumption																																					
Month	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25																															
Limit	1800 Lit/Hr																																				
Total Diesel Consumption (Litre/Month)	480	465	495	565	430	*2356																															
Diesel Consumption (Litre/Hr)	0.65	0.65	0.67	0.78	0.64	3.17																															
27	Measure shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have a vapour recovery system.	<p>Complied</p> <p>Unit has ensured to take all necessary measures to reduce the process vapor emission. The unit has installed scrubbers and has installed a solvent recovery system as mentioned in condition number 4.</p>																																			
28	<p>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.</p> <p>Internal roads shall be either concrete or asphalted or paved properly to reduce the fugitive emission during vehicular movement. Air borne dust shall be controlled with water sprinklers at suitable locations in the plant. A green belt shall be developed all round the plant boundary and also the roads to mitigate fugitive & transport dust emission.</p>	<p>Complied</p> <p>Unit has followed below guidelines to reduce the fugitive emissions in the work zone.</p> <p>Internal roads have been concreted. Photograph has been attached as below:</p> <div></div> <p>The site is not using coal or any other material that will generate fine dust particles. Hence, sprinklers are not installed in the process area But, water sprinklers have been provided in the greenbelt. Photographs for the same attached as below:</p>																																			

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

		
31	Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosure.	<p>Complied</p> <p>Unit has provided an enclosure system for air borne dust at all transfer operations.</p>
32	Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx and VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.	<p>Complied</p> <p>The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorised party (Unistar Environment & Research Labs Pvt. Ltd.). Report of Ambient air quality monitoring is attached in Annexure-IV</p>
33	Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.	<p>Complied</p> <p>Unit has provided scrubber systems to reduce process vapors and monitored in plant DCS control systems. All processes are taken in a close loop to control process vapour emissions. Unit has ensured to take all necessary measures to reduce the process vapor emission. VOC Monitoring data are given in Point no. 27</p>
34	The fugitive emission in work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission. Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.	<p>Complied</p> <p>Unit has followed below guidelines to reduce the fugitive emissions in the work zone.</p> <p>Internal roads have been concreted. Photograph of the same is given in Point No. 28</p> <p>Water sprinklers have been provided at suitable locations in the plant. Photograph of the same is given in Point No. 28</p>


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

	Air borne dust shall be controlled with water sprinklers at suitable locations in the plant. A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.	Green belt has been developed in and around the plant boundary and roads to mitigate fugitive & transport dust emission. Photograph of the same is given in Point No. 28 Table of Dust Monitoring is given in point no. 28																															
A.4 SOLID/HAZARDOUS WASTE																																	
35	ETP Sludge shall be disposed off at the active common TSDF.	<p>Complied ETP sludge is being disposed of to common TSDF sites such as BEIL. Membership certificate for TSDF site has been received and attached in Annexure-II</p> <p>Annual Generation & Disposal Quantity of Landfill Waste ETP Sludge is as Follows:</p> <table><tr><th>Waste</th><th>Month</th><th>Oct 24</th><th>Nov24</th><th>Dec24</th><th>Jan25</th><th>Feb25</th><th>Mar25</th></tr><tr><td></td><th>Limit</th><td colspan="6">4800 MT/ Year</td></tr><tr><td rowspan="2">ETP Waste (35.3) (MT)</td><th>Generation</th><td>0.000</td><td>0.000</td><td>0.000</td><td>53.520</td><td>74.690</td><td>45.000</td></tr><tr><th>Disposal</th><td>17.680</td><td>0.00</td><td>48.600</td><td>44.87</td><td>64.500</td><td>18.65</td></tr></table> <p>ETP Waste generation under Prescribed limit.</p> <p>The unit has disposed of all ETP Sludge to Common TSDF site (Beil, Dahej) during the Compliance Period.</p>	Waste	Month	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25		Limit	4800 MT/ Year						ETP Waste (35.3) (MT)	Generation	0.000	0.000	0.000	53.520	74.690	45.000	Disposal	17.680	0.00	48.600	44.87	64.500	18.65
Waste	Month	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25																										
	Limit	4800 MT/ Year																															
ETP Waste (35.3) (MT)	Generation	0.000	0.000	0.000	53.520	74.690	45.000																										
	Disposal	17.680	0.00	48.600	44.87	64.500	18.65																										
36	Discarded containers/ drums/ bags/ contaminated HDPE / LDPE bags shall be disposed by selling to authorized recyclers.	<p>Complied Unit will discard containers/drums/ bags/contaminated HDPE/ LDPE bags by selling to authorized recyclers. Name of recycler : BEIL, Dahej.</p> <table><tr><th>Waste</th><th>Month</th><th>Oct 24</th><th>Nov24</th><th>Dec24</th><th>Jan25</th><th>Feb25</th><th>Mar25</th></tr><tr><td></td><th>Limit</th><td colspan="6">4800 MT/ Year</td></tr><tr><td rowspan="2">Discard containers/ drums/ bags/ contaminated HDPE / LDPE bags (33.1) (MT)</td><th>Generation</th><td>0.000</td><td>1.000</td><td>0.800</td><td>0.125</td><td>1.800</td><td>0.500</td></tr><tr><th>Disposal</th><td>0.00</td><td>0.94</td><td>0.00</td><td>0.92</td><td>1.710</td><td>0.00</td></tr></table> <p>All Waste generation is under the Prescribed limit.</p>	Waste	Month	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25		Limit	4800 MT/ Year						Discard containers/ drums/ bags/ contaminated HDPE / LDPE bags (33.1) (MT)	Generation	0.000	1.000	0.800	0.125	1.800	0.500	Disposal	0.00	0.94	0.00	0.92	1.710	0.00
Waste	Month	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25																										
	Limit	4800 MT/ Year																															
Discard containers/ drums/ bags/ contaminated HDPE / LDPE bags (33.1) (MT)	Generation	0.000	1.000	0.800	0.125	1.800	0.500																										
	Disposal	0.00	0.94	0.00	0.92	1.710	0.00																										

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

37	Used oil shall be sold only to the registered re-processor or use for lubrication within premises.	<div>Complied.</div> <div>During the Compliance period April-24 to September-24, used oil was sent to the authorized registered recyclers. Details are as follows:</div> <table><tr><th>Waste</th><th>month</th><th>Oct 24</th><th>Nov24</th><th>Dec24</th><th>Jan25</th><th>Feb25</th><th>Mar25</th></tr><tr><td></td><th>Limit</th><td colspan="6">6 KL/Annum</td></tr><tr><td rowspan="2">Used Oil Generation(5.1) (KL)</td><th>Generation</th><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td></tr><tr><th>Disposal</th><td>0.00</td><td>0.00</td><td>0.00</td><td>0.83</td><td>0.00</td><td>0.00</td></tr></table> <div>Used Oil Generation under prescribed limit</div>	Waste	month	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25		Limit	6 KL/Annum						Used Oil Generation(5.1) (KL)	Generation	0.000	0.000	0.000	0.000	0.000	0.000	Disposal	0.00	0.00	0.00	0.83	0.00	0.00
Waste	month	Oct 24	Nov24	Dec24	Jan25	Feb25	Mar25																										
	Limit	6 KL/Annum																															
Used Oil Generation(5.1) (KL)	Generation	0.000	0.000	0.000	0.000	0.000	0.000																										
	Disposal	0.00	0.00	0.00	0.83	0.00	0.00																										
38	Spent carbon, Gypsum shall be sent for co-processing in cement industries or send to Common Hazardous Waste Incineration facility for incineration.	<div>Complied.</div>																															
39	Management of spent solvent shall be as per the specific condition mentioned above.	<div>Complied</div> <div>It is managed as required, data of solvent recovery is given in Point No. 3.</div>																															
A.5 OTHER																																	
40	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Jyoti Om Chemical Research Center Pvt. Ltd., Ankleshwar and submitted by project proponent vide letter no. NIL dated 02/02/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	<div>Complied</div> <div>Unit strictly adheres to the commitments made to the SEAC.</div>																															
B. GENERAL CONDITIONS																																	
B.1 CONSTRUCTION PHASE																																	
41	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	<div>Complied</div> <div>Unit has used Fosrock make Plasticizer & Curing agent to reduce the water consumption during our construction phase. During the current monitoring phase, project based construction was not in place.</div>																															
42	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	<div>Complied</div> <div>Unit is practicing Covering trucks and water sprinkling to eliminate dusting. During the current monitoring phase, project based construction was not in place.</div>																															


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

43	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied Adequate sanitary and hygienic conditions were provided.
44	First Aid Box shall be made readily available in adequate quantity at all the times.	Complied Unit has provided an adequate first aid box and is maintained in good condition. 
45	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Services) Act 1996 and Gujarat rules made there under their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	Complied
46	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.	Complied Noise monitoring is being carried out by an approved NABL / GPCB/ MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) The noise levels in the plant conform to the standards prescribed in the EPA Act, 1986. During the construction phase, mock drills were arranged by the safety department, now the unit is in operation phase, therefore monitoring the noise levels from time to time. Copy of the latest report has been attached as Annexure-V The Noise monitoring detail has been provided in Point No. 87.
47	Use of Diesel Generator (DG) sets during the construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Complied
48	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	Complied Sewage waste water was collected and Treated of through a STP Plant.
49	All topsoil excavated during construction activity shall be used in horticulture/ landscape development within the project site.	Complied All the excavated soil was used for landscape developing and back filling within the premises.


50	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create an adverse effect on neighbouring communities.	The unit has completed overall project activity. Therefore compliance conditions related to the B1 construction phase have been already compiled.
51	Project proponents shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	The unit has completed overall project activity. Therefore compliance conditions related to the B1 construction phase have been already compiled
52	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	Complied

B.2 OPERATION PHASE


B.2.1 WATER

53	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	<p>Complied.</p> <p>Unit has installed water meters and maintains the record on a daily and monthly basis.</p>  <p>Water Consumption data is given in point No. 9</p>
54	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	<p>Complied.</p> <p>The unit had adopted Best Available Technology (BAT) to reduce, recycle and reuse the treated effluent.</p> <p>The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE. The unit will reuse permeate/condensate generated from RO, DEE & MEE in the cooling tower.</p> <p>Photographs are given in Point No 2.</p>

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


B.2.2 AIR		
55	Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.	<p>Complied</p> <p>Unit has provided Acoustic enclosure to DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.</p> 
56	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	<p>Complied.</p> <p>Unit has provided adequate stack height around 33 meter DG stack and scrubber around 11 meter for flue gas/ process gas emission.</p>
57	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.	<p>Complied</p> <p>Unit has an adequate scrubber as APCM with the process gas generation sources. Monthly Monitoring are carried out by an approved NABL / GPCB/MOEF&CC authorized party All parameters well within the limit. Report attached in Annexure-III.</p>
58	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied
B.2.3 HAZARDOUS/SOLID WASTE		
59	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.	<p>Complied</p> <p>Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/Labeling-Form 8/ TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc. If required in future we will do amendments from time to time.</p>



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

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

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

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

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


		<p>Photograph is attached as below:</p> 										
78	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer to that minimal human exposure occurs.	Unit has taken all necessary measures to minimize the human exposure to hazardous chemicals by closed loop pumping / vacuum transfer.										
79	Tie up shall be done with nearby health care unit/ doctor for seeking immediate medical attention in the case of emergency.	<p>Complied</p> <p>Unit has tied up with nearby health care units/ doctors for seeking immediate medical attention in the case of emergency.</p> <p>The same has been attached in Annexure-IX</p>										
80	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	<p>Complied</p> <p>Unit has maintained around 50 types of Personal Protective Equipment (PPEs) and provided the same to workers. Unit has encouraged and ensured that PPE's are used by workers as per the requirement for a particular job role.</p> <p>PPEs- Helmet, Goggles, Safety Shoes, Full body safety suit, Double anchored safety harness, Cartridge mask, antistatic hand gloves, bubble hood etc.</p>										
81	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	<p>Complied</p> <p>14 Numbers of First Aid Box are available and required Antidotes (Methylene Blue, Dipotherene, etc) for the chemicals used in the unit are available in OHC at site.</p>  <table data-bbox="787 1751 1338 1848"><tr><th colspan="2">self care kit</th></tr><tr><td>OHC Intercome</td><td>3553/3554</td></tr><tr><td>OHC</td><td>706 9007 938</td></tr><tr><td>Ambulance</td><td>635 9951 251</td></tr><tr><td>Dr.Avanika</td><td>706 9007 938</td></tr></table>	self care kit		OHC Intercome	3553/3554	OHC	706 9007 938	Ambulance	635 9951 251	Dr.Avanika	706 9007 938
self care kit												
OHC Intercome	3553/3554											
OHC	706 9007 938											
Ambulance	635 9951 251											
Dr.Avanika	706 9007 938											

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

82	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	Complied Training is given to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees are done on a regular basis. Training to all employees on handling chemicals is imparted regularly.
83	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	Complied Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act. Sample copy of same is attached here with Annuxure-X Following check up has been carried out in periodical medical checkup. - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers
84	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.	Complied We ensure that the Transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act and Rules.
85	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report.
86	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Complied Necessary permission has been taken from PESO. Also Unit has obtained Factory License No. 41555 , dated: 1st February, 2020
B.2.5 NOISE		
87	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	Complied The Unit has taken necessary noise control measures by providing engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. Unit is monitoring noise level month wise in the operation phase. Report of Noise monitoring is attached in Annexure-V
B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION		

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

88	<p>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.</p>	<p>Complied Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat and given recommendations were submitted in the previous report.</p>
89	<p>The company shall undertake various waste minimization measures such as:</p> <p>Metering and control of quantities of active ingredient to minimize waste</p> <p>Reuse of by-products from the process as raw materials or as raw materials substitutes.</p> <p>Use of automated and close filling to minimize spillages.</p> <p>Use of a close feed system into batch reactors.</p> <p>Venting equipment through vapour recovery system.</p> <p>Use of high pressure hoses for clearing to reduce wastewater generation.</p> <p>Recycling of washes to subsequent batches.</p> <p>Recycling of steam condensate.</p> <p>Sweeping/ mopping of floor instead of floor washing to avoid effluent generation.</p> <p>Regular preventive maintenance for avoiding leakages, spillages etc.</p>	<p>Complied The Unit has implemented waste minimization measures as mentioned below but not limiting to:</p> <p>Unit has taken all the possible action for the control of quantities of active ingredients to minimize waste.</p> <p>Unit has taken all the possible action for reuse of by-products from the process as raw materials or as raw materials substitutes.</p> <p>Unit has installed automated and close filling to minimize spillages.</p> <p>Closed feed system into batch reactors is in practice.</p> <p>Venting equipment through a vapour recovery system is in practice.</p> <p>Unit uses high pressure hoses for clearing to reduce wastewater generation.</p> <p>Unit is doing Recycling of washes to subsequent batches.</p> <p>Unit is doing Recycling of steam condensate.</p> <p>Unit is doing Sweeping/mopping the floor instead of floor washing to avoid effluent generation.</p> <p>Unit has done Regular preventive maintenance for avoiding leakages, spillages etc.</p>
B.2.7 GREEN BELT AND OTHER PLANTATION		


90	<p>The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate lane is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC/ GPCB and submit an action plan of plantation for next three years to the GPCB.</p>	<p>Complied The greenbelt has been developed and maintained by the unit regularly. Total area of plot :- 54803.04 m2 Greenbelt within Plant Premises :- 10367.85 m2 , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2 Green Belt at Luvara Village:- 5700 m2 Total Green Belt :- 18188.69 m2 photographs for the same attached as below:</p> <div data-bbox="760 478 1604 1199">  </div>
91	<p>Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.</p>	<p>Complied Unit has provided a low-angle sprinkler system for the green belt development within the premises. Photo of Drip Irrigation system is attached as below:</p>

		
--	--	--

B.3 OTHER CONDITION

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

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

		
95	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	<p>Complied</p> <p>The unit ensures that earmarked green belt area will not be utilised for any other purposes. It is used only for green belt development.</p> <p>Total area of plot :- 54803.04 m²</p> <p>Greenbelt within Plant Premises :- 10367.85 m² ,</p> <p>Greenbelt at common plot of Dahej SEZ II :- 2120.84 m²</p> <p>Green Belt at Luvara Village:- 5700 m²</p> <p>Total Green Belt :- 18188.69 m²</p>
96	All the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	<p>Complied</p> <p>Unit has strictly adhered to the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management.</p>
97	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	<p>Complied</p> <p>We will comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.</p>
98	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	<p>Complied</p> <p>In the event of failure of any pollution control system, the unit will be safely closed down and will not be restarted until the desired efficiency of the control equipment has been achieved. The plant is controlled by DCS system.</p>
99	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	<p>Complied</p> <p>The unit is strictly adhering to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.</p>
100	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	<p>Complied</p> <ol style="list-style-type: none"> 1. Unit has ensured no spillages during material transfer and garland drains have been constructed to avoid mixing of accidental spillages with domestic wastewater or stormwater. 2. For transfer of material to a tanker or tanker to a tank, a dyke wall has been made to prevent spillage and mixing with domestic & stormwater.

3. For the transfer of effluent to ETP, dedicated pits with automated pumps are present to prevent overflow.
photos of garland tank, dyke wall, dedicated pits with automated pumps

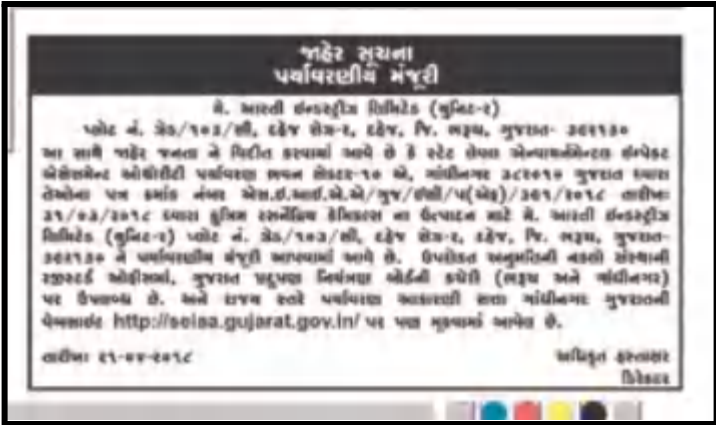



M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch

101	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 minimize soil contamination.Regarding photographs are attached below:</p> <div data-bbox="769 394 1560 751">  </div>
102	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	<p>Complied</p> <p>Unit has ensured to not take up any further expansion or modifications in the plant likely to cause environmental impacts without obtaining prior Environment Clearance from the concerned authority.</p> <p>EC expansion has been received on vide number SEIAA/GUJ/EC/5(f)/192 dated 14.02.2023. attached as an Annexure-XI.</p>
103	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	<p>Noted.</p> <p>We will implement and follow all the rules and regulations under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.</p>

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

104	The project proponent shall comply with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time in a letter and spirit.	<p>Complied</p> <p>The project proponent has complied with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time. The CER/CSR activities list have been attached herewith</p> <table border="1" data-bbox="758 417 1606 1062"> <thead> <tr> <th>Name of Associated NGO</th><th>Nature of Work</th><th>Amount (Rs)</th></tr> </thead> <tbody> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>250,000</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>250,000</td></tr> <tr> <td>Jan Seva & Charitable Trust</td><td>Grocery, Uniform, Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel</td><td>460,000</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>250,000</td></tr> <tr> <td></td><td>Total</td><td>12,10,000</td></tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs)	Gram Vikas Trust	Donation for Vidya Sarthi Project	250,000	Gram Vikas Trust	Donation for Vidya Sarthi Project	250,000	Jan Seva & Charitable Trust	Grocery, Uniform, Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel	460,000	Gram Vikas Trust	Donation for Vidya Sarthi Project	250,000		Total	12,10,000
Name of Associated NGO	Nature of Work	Amount (Rs)																		
Gram Vikas Trust	Donation for Vidya Sarthi Project	250,000																		
Gram Vikas Trust	Donation for Vidya Sarthi Project	250,000																		
Jan Seva & Charitable Trust	Grocery, Uniform, Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel	460,000																		
Gram Vikas Trust	Donation for Vidya Sarthi Project	250,000																		
	Total	12,10,000																		
105	The project management shall ensure that the unit complies with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	<p>Complied.</p> <p>Unit has complied with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report..</p>																		
106	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.	<p>Complied</p> <p>The Unit has provided adequate funds and has not diverted the funds provided to implement the conditions stipulated by SEIAA as well as GPCB. The unit has allocated funds towards expenses of operation for waste water treatment plant, environmental monitoring, auditing and Hazardous waste disposal.</p>																		
107	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy of each of the same shall be	<p>Complied</p> <p>The advertisement regarding the environmental clearance was given in the local newspapers and the copy of the same was submitted to the concerned regional office.</p>																		

	forwarded to the concerned Regional Office of the Ministry.	 
108	It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.	<p>Complied</p> <p>Last half yearly compliance report for the period of April 2024 to September 2024 submitted on the date of 28/11/2024</p>
109	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	<p>Noted.</p>

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

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

Annuxure -I

SR NO	TAG	TYPE	LOCATION	INST RANGE	CALIBRATIO N RANGE	CALIBRATIO N DATE	DUE DATE
1	H2-001	Hydrogen	QC LAB GAS BANK (Gnd Floor)	0-100% LEL	0-50% LEL	19.02.2025	19.08.2025
2	H2-002	Hydrogen	GC LAB	0-100% LEL	0-50% LEL	19.02.2025	19.08.2025
3	H2-003	Hydrogen	GC LAB	0-100% LEL	0-50% LEL	19.02.2025	19.08.2025
4	H2-004	Hydrogen	GCMS ROOM	0-100% LEL	0-50% LEL	19.02.2025	19.08.2025
5	H2-005	Hydrogen	General Lab	0-100% LEL	0-50% LEL	19.02.2025	19.08.2025
6	H2-006	Hydrogen	Inside R&D Lab (autoclave room)	0-100% LEL	0-50% LEL	19.02.2025	19.08.2025
7	O2-001	Oxygen(Inflation/Deflation)	GC ROOM	0-30 % Volume	15% Volume	19.02.2025	19.08.2025
8	O2-002	Oxygen(Inflation/Deflation)	GCMS ROOM	0-30 % Volume	15% Volume	19.02.2025	19.08.2025
9	O2-003	Oxygen(Inflation/Deflation)	General Lab	0-30 % Volume	15% Volume	19.02.2025	19.08.2025
10	O2-004	Oxygen(Inflation/Deflation)	Inside R&D Lab (autoclave room)	0-30 % Volume	15% Volume	19.02.2025	19.08.2025
11	O2-005	Oxygen(Depletion Type)	Duct -1 (Above Document Room)	0-30 % Volume	15% Volume	19.02.2025	19.08.2025
12	O2-006	Oxygen(Depletion Type)	QC LAB DUCT 2	0-30 % Volume	15% Volume	19.02.2025	19.08.2025
13	NH3-001	Ammonia	Duct -1 (Above Document Room)	100 PPM	50 PPM	19.02.2025	19.08.2025
14	NH3-002	Ammonia	QC LAB DUCT 2	100 PPM	50 PPM	19.02.2025	19.08.2025
15	CO-001	Carbon Monoxide	Duct -1 (Above Document Room)	1000 PPM	500 PPM	19.02.2025	19.08.2025
16	CO-002	Carbon Monoxide	QC LAB DUCT 2	1000 PPM	500 PPM	19.02.2025	19.08.2025
17	H2S-001	Hydrogen sulphide	Duct -1 (Above Document Room)	100 PPM	50 PPM	19.02.2025	19.08.2025
18	H2S-002	Hydrogen sulphide	QC LAB DUCT 2	100 PPM	50 PPM	19.02.2025	19.08.2025
19	AT-1103	Hydrogen	H2 PRS Station -Gnd Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
20	AT-1104	Hydrogen	2P0103 Top -Gnd Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
21	AT-1106	Hydrogen	2V0105 Top- 2nd Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
22	AT-1107	Hydrogen	2R0101 to 2E0101 Line - 3 rd Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
23	AT-1109	Hydrogen	2V0110 Top- 3 rd Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
24	AT-1110	Hydrogen	2E0104 Top -5 th Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
25	AT-1111	Hydrogen	Vent Header- 5 th floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
26	AT-1108	Methanol	2V0201 Top- 4 th Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
27	AT-1105	Methanol	2P0101 A Gnd Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
28	AT-1101	Methanol	2V0118 Methanol Storage Tank Gnd floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
29	AT-1102	Methanol	P-116A/B -Gnd floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
30	AT-1112	Methanol	2V0103 Top -2nd Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
31	AT-1113	Methanol	On DCA XYLENE Tank	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
32	5-ANT-0104	So2 Gas	ABOVE 5-R-0101	0 to 20 PPM		19.02.2025	19.08.2025
33	5-ANT-0106	So2 Gas	AT BUFFER TANK 5V0106	0 to 20 PPM		19.02.2025	19.08.2025
34	5-ANT-0208	So2 Gas	ABOVE 5-R-0202	0 to 20 PPM		19.02.2025	19.08.2025
35	5-ANT-0107	So2 Gas	BESIDE 5-R-0101	0 to 20 PPM		19.02.2025	19.08.2025
36	5-ANT-0105	So2 Gas	BESIDE SPARGER TANK	0 to 20 PPM		19.02.2025	19.08.2025
37	5-ANT-0103	So2 Gas	ABOVE SPARGER TANK 5-A-0101	0 to 25 PPM		19.02.2025	19.08.2025
38	5-ANT-0108	So2 Gas	BETWEEN 5-R-0203& 5-R-0202	0 to 25 PPM		19.02.2025	19.08.2025
39	5-ANT-0109	So2 Gas	ABOVE SULFUR MELTER	0 to 20 PPM		19.02.2025	19.08.2025
40	4-AT-0317	Xylene	CR PLANT 2nd Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
41	4-AT-0318	Xylene	CR PLANT 1st Floor	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025
42	2-AT-0201	Methanol	RECOVERD MEOH		0-100% LEL	19.02.2025	19.08.2025
43	2-AT-0202	Methanol	RECOVERD MEOH		0-100% LEL	19.02.2025	19.08.2025
44	2-AT-0203	Methanol	2-V-0104 SAMPLE VALVE		0-100% LEL	19.02.2025	19.08.2025
45	9-AT-1001	ozone	OZONE GENERATER		0-10 ppm	19.02.2025	19.08.2025
46	9-AT-1002	ozone	OZONE GENERATER		0-10 ppm	19.02.2025	19.08.2025
47	9-AT-0904	Xylene	ETP PHENOL PLANT		0-100% LEL	19.02.2025	19.08.2025
48	9-AT-0905	Xylene	ETP PHENOL PLANT		0-100% LEL	19.02.2025	19.08.2025
49	ADMIN-01	Hydrogen	Admin Building UPS ROOM	0-100% LEL	0-100% LEL	19.02.2025	19.08.2025



Ref. BEIL/ANK/2024

23RD MARCH, 2024

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

Sub: Membership Certificate for Common Solid Waste Disposal Facility.

Dear Sir,

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

Waste will be accepted after submitting valid authorization of GPCB.

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

Thanking you,

Yours faithfully,

For BEIL Infrastructure Limited.

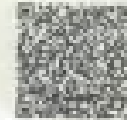
(Formerly Known as Bharuch Enviro Infrastructure Limited.)

Mr. Manoj Patel
(Vice President - Operations)

Membership Certificate Details



Certificate



To whomsoever it may concern
This is to certify that

Certificate No : 4100009271

AARTI INDUSTRIES LTD UNIT 2

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

is a valid member of

Recycling Solutions Private Limited Unit-II

for Alternate Fuel Resource Facility.

This membership is valid for a period of
10 Years

For, Recycling Solutions Private Limited Unit-II

Date of issue : 02.06.2020
Date of expiration : 01.06.2030
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.	4,200.00 0			0.000
Total Sign Qty (TPA)					4,200.000

SUBJECT TO JURISDICTION



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

04th SEPTEMBER, 2020

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

Sub: Membership Certificate for Common Incineration Facility

Dear Sir,

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

Thanking you,

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


AUTHORISED SIGNATORY

CIN No.: U45300GJ1997PLC032696

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

To,

AARTI INDUSTRIES LTD UNIT-2

PLOT NO Z/103/C,

DAHEJ SEZ II, LAKHIGAM.

TAL-VAGRA BHARUCH-392130,

GUJARAT, INDIA

Date: 16.02.2024

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

Dear Sir,

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

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

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

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

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

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

Thanking You.

Yours Faithfully,

For Recycling Solutions Pvt. Ltd



Authorized Signatory

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-004	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-004	Service Request Date	23/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/10/2024	Date of Testing	24/10/2024
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.5	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm ³	6.2	70	SA EPA Method 03.04.2012

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

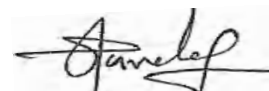
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-014	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-014	Service Request Date	23/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/10/2024	Date of Testing	24/10/2024
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.5	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

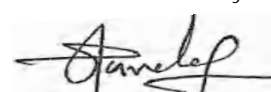
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-005	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-005	Service Request Date	24/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	24/10/2024	Date of Testing	25/10/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	5.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

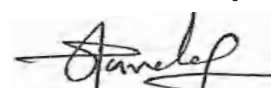
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-006	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-006	Service Request Date	22/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/10/2024	Date of Testing	23/10/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) (S-4)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

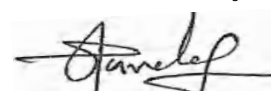
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-007	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-007	Service Request Date	22/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/10/2024	Date of Testing	23/10/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2) (S-5)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	46

➤ Test Parameter Results

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

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

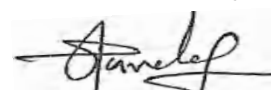
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-008	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-008	Service Request Date	22/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/10/2024	Date of Testing	23/10/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.8	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

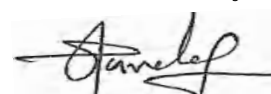
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-009	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-009	Service Request Date	22/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/10/2024	Date of Testing	23/10/2024
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	51


➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	TVOCs	Ppm	5.5	**	GC Method

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

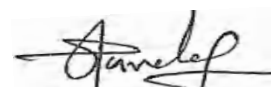
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-010	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-010	Service Request Date	22/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/10/2024	Date of Testing	23/10/2024
Stack Sampling Attached to	HNO ₃ Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NO _x)	mg/Nm ³	BDL (MDL:5.0)	25	IS: 11255 (Part 7): 2005 RA.2017

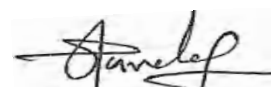
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-011	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-011	Service Request Date	23/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/10/2024	Date of Testing	24/10/2024
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-9)		
Air Pollution Control Device	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

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


➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.2	40	IS 11255 (Part 2)

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

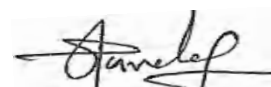
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-012	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-012	Service Request Date	23/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/10/2024	Date of Testing	24/10/2024
Stack Sampling Attached to	SAC And TAR Plant. (S-10)		
Air Pollution Control Device	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	4.2	40	IS 11255 (Part 2)
2.	VOCs	ppm	1.2	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

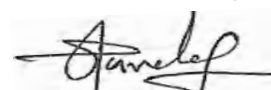
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/10/AIL-2/S-013	Report Issue Date	05/11/2024
Service Request form No.	UERL/AIR/D/SRF/10/S-013	Service Request Date	24/10/2024
Sample ID No.	UERL/AIR/D/ID/S-24/10/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/10/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	24/10/2024	Date of Testing	25/10/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	Ppm	BDL (MDL:0.1)	**	GC Method

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

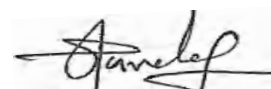
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-004	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-004	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	46

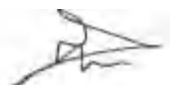
➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	11.2	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm ³	5.8	70	SA EPA Method 03.04.2012

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

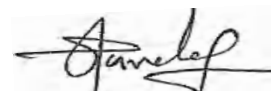
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-014	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-014	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	47

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.1	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

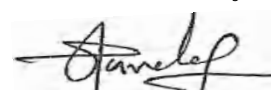
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-005	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-005	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	4.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

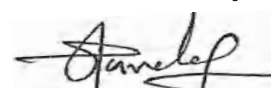
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-006	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-006	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/006
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) (S-4)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	44

➤ Test Parameter Results

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

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

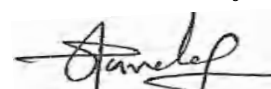
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-007	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-007	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2) (S-5)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	44

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) **: Limit Not Define in GPCB CC&A.

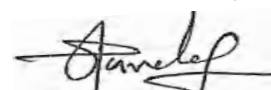
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-008	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-008	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	43

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.3	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

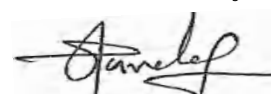
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-009	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-009	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	49

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	TVOCs	ppm	4.8	**	GC Method

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

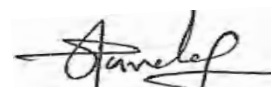
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-010	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-010	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	HNO ₃ Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NO _x)	mg/Nm ³	BDL (MDL:5.0)	25	IS: 11255 (Part 7): 2005 RA.2017

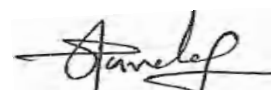
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-011	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-011	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-9)		
Air Pollution Control Device	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	52

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.7	40	IS 11255 (Part 2)

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

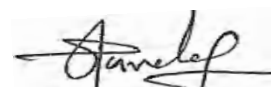
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-012	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-012	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	SAC And TAR Plant. (S-10)		
Air Pollution Control Device	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	50

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	3.8	40	IS 11255 (Part 2)
2.	VOCs	ppm	1.1	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

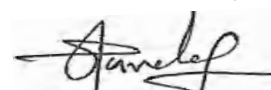
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/11/AIL-2/S-013	Report Issue Date	05/12/2024
Service Request form No.	UERL/AIR/D/SRF/11/S-013	Service Request Date	29/11/2024
Sample ID No.	UERL/AIR/D/ID/S-24/11/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/11/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/11/2024	Date of Testing	30/11/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	47

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	Ppm	BDL (MDL:0.1)	**	GC Method


Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

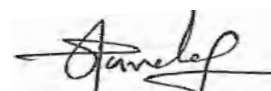
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-004	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-004	Service Request Date	17/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/12/2024	Date of Testing	18/12/2024
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	11.2	1250	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm ³	6.5	70	SA EPA Method 03.04.2012

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

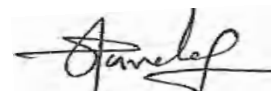
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-014	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-014	Service Request Date	17/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	17/12/2024	Date of Testing	18/12/2024
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	2.2	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

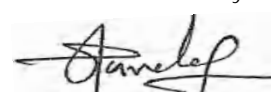
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-005	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-005	Service Request Date	18/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	18/12/2024	Date of Testing	19/12/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	5.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

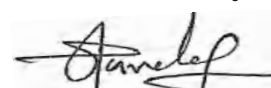
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-006	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-006	Service Request Date	18/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/006
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	18/12/2024	Date of Testing	19/12/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) (S-4)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	1.4	**	GC Method

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

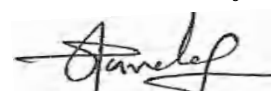
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-007	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-007	Service Request Date	18/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	18/12/2024	Date of Testing	19/12/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2) (S-5)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

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

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

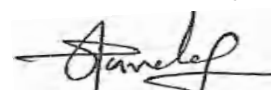
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-008	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-008	Service Request Date	18/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	18/12/2024	Date of Testing	19/12/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	8.2	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

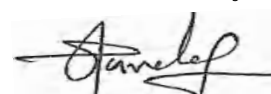
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-009	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-009	Service Request Date	18/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	18/12/2024	Date of Testing	19/12/2024
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	46

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	TVOCs	ppm	2.6	**	GC Method

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

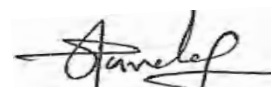
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-010	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-010	Service Request Date	18/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	18/12/2024	Date of Testing	19/12/2024
Stack Sampling Attached to	HNO ₃ Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation


Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NO _x)	mg/Nm ³	BDL (MDL:5.0)	25	IS: 11255 (Part 7): 2005 RA.2017

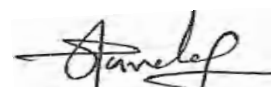
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-011	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-011	Service Request Date	18/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	18/12/2024	Date of Testing	19/12/2024
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-9)		
Air Pollution Control Device	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	52

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	2.2	40	IS 11255 (Part 2)

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

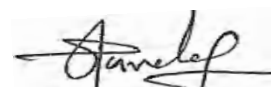
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-012	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-012	Service Request Date	18/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	18/12/2024	Date of Testing	19/12/2024
Stack Sampling Attached to	SAC And TAR Plant. (S-10)		
Air Pollution Control Device	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.2	40	IS 11255 (Part 2)
2.	VOCs	ppm	0.4	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

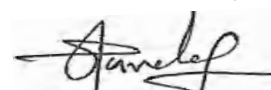
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/12/AIL-2/S-013	Report Issue Date	02/01/2025
Service Request form No.	UERL/AIR/D/SRF/12/S-013	Service Request Date	18/12/2024
Sample ID No.	UERL/AIR/D/ID/S-24/12/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/12/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	18/12/2024	Date of Testing	19/12/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	5.4	**	GC Method


Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

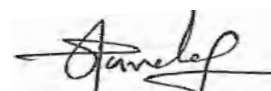
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/25/01/AIL-2/S-004	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-004	Service Request Date	21/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/01/2025	Date of Testing	22/01/2025
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	27
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	15.5	1250	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm ³	8.4	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

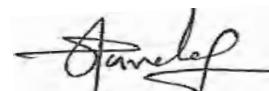
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/01/AIL-2/S-014	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-014	Service Request Date	21/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/01/2025	Date of Testing	22/01/2025
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	27
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.5	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

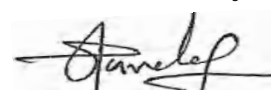
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/01/AIL-2/S-005	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-005	Service Request Date	22/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/01/2025	Date of Testing	23/01/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	27
3.	Flue Gas Temperature	°C	49

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	20.5	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

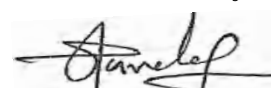
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/01/AIL-2/S-006	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-006	Service Request Date	22/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/006
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/01/2025	Date of Testing	23/01/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) (S-4)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	2.2	**	GC Method

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

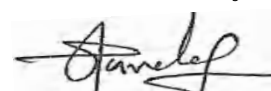
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/25/01/AIL-2/S-007	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-007	Service Request Date	22/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/01/2025	Date of Testing	23/01/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2) (S-5)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	45

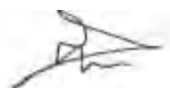
➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	2.5	**	GC Method

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

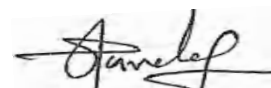
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/01/AIL-2/S-008	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-008	Service Request Date	22/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/01/2025	Date of Testing	23/01/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Devise	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	27
3.	Flue Gas Temperature	°C	46

➤ Test Parameter Results

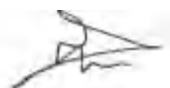
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.2	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

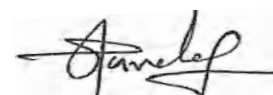
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/01/AIL-2/S-009	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-009	Service Request Date	22/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/01/2025	Date of Testing	23/01/2024
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Devise	Water Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	27
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	TVOCs	ppm	3.2	**	GC Method

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

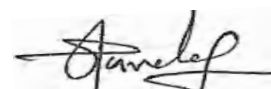
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/01/AIL-2/S-010	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-010	Service Request Date	22/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/01/2025	Date of Testing	23/01/2024
Stack Sampling Attached to	HNO ₃ Tank. (S-8)		
Air Pollution Control Devise	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NO _x)	mg/Nm ³	BDL (MDL:5.0)	25	IS: 11255 (Part 7): 2005 RA.2017

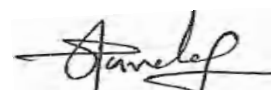
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/01/AIL-2/S-011	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-011	Service Request Date	22/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/01/2025	Date of Testing	23/01/2024
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-9)		
Air Pollution Control Devise	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	27
3.	Flue Gas Temperature	°C	52

➤ Test Parameter Results

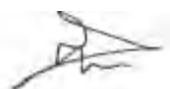
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.5	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

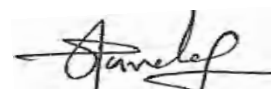
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/01/AIL-2/S-012	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-012	Service Request Date	22/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/01/2025	Date of Testing	23/01/2024
Stack Sampling Attached to	SAC And TAR Plant. (S-10)		
Air Pollution Control Devise	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	27
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.5	40	IS 11255 (Part 2)
2.	VOCs	ppm	5.5	**	GC Method

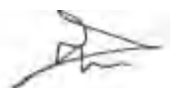
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

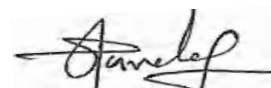
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/01/AIL-2/S-013	Report Issue Date	03/02/2025
Service Request form No.	UERL/AIR/D/SRF/01/S-013	Service Request Date	22/01/2025
Sample ID No.	UERL/AIR/D/ID/S-25/01/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/01/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/01/2025	Date of Testing	23/01/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	02/02/2024	Next Calibration Due on	01/02/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	27
3.	Flue Gas Temperature	°C	52

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	20.5	**	GC Method

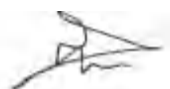
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

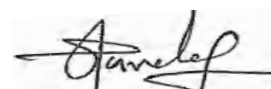
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/02/AIL-2/S-004	Report Issue Date	03/03/2025
Service Request form No.	UERL/AIR/D/SRF/02/S-004	Service Request Date	13/02/2025
Sample ID No.	UERL/AIR/D/ID/S-25/02/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/02/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	13/02/2025	Date of Testing	14/02/2025
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant & Scrubber Connected to NSA. (S-1 & S-2)		
Air Pollution Control Devise	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	52

➤ Test Parameter Results

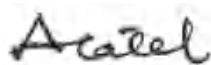
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL(MDL:4.0)	1250	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm ³	BDL(MDL:4.0)	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

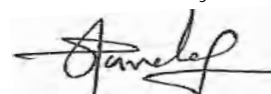
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/02/AIL-2/S-005	Report Issue Date	03/03/2025
Service Request form No.	UERL/AIR/D/SRF/02/S-005	Service Request Date	13/02/2025
Sample ID No.	UERL/AIR/D/ID/S-25/02/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/02/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	13/02/2025	Date of Testing	14/02/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	49

➤ Test Parameter Results

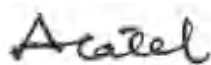
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	20.5	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

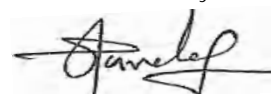
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/02/AIL-2/S-006	Report Issue Date	03/03/2025
Service Request form No.	UERL/AIR/D/SRF/02/S-006	Service Request Date	12/02/2025
Sample ID No.	UERL/AIR/D/ID/S-25/02/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/02/006
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/02/2025	Date of Testing	13/02/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) (S-4)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	47

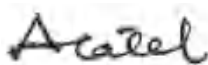
➤ Test Parameter Results

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

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

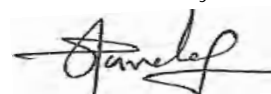
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/02/AIL-2/S-007	Report Issue Date	03/03/2025
Service Request form No.	UERL/AIR/D/SRF/02/S-007	Service Request Date	12/02/2025
Sample ID No.	UERL/AIR/D/ID/S-25/02/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/02/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/02/2025	Date of Testing	13/02/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2) (S-5)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

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

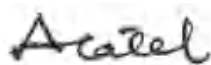
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) **: Limit Not Define in GPCB CC&A.

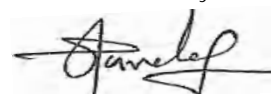
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

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)

Test Report No.	UERL/25/02/AIL-2/S-008	Report Issue Date	03/03/2025
Service Request form No.	UERL/AIR/D/SRF/02/S-008	Service Request Date	13/02/2025
Sample ID No.	UERL/AIR/D/ID/S-25/02/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/02/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	13/02/2025	Date of Testing	14/02/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

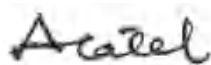
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.5	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

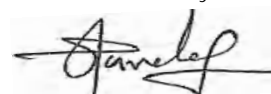
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/02/AIL-2/S-009	Report Issue Date	03/03/2025
Service Request form No.	UERL/AIR/D/SRF/02/S-009	Service Request Date	12/02/2025
Sample ID No.	UERL/AIR/D/ID/S-25/02/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/02/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/02/2025	Date of Testing	13/02/2024
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	46

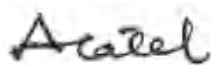
➤ Test Parameter Results

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

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

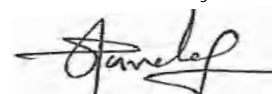
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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)

Test Report No.	UERL/25/02/AIL-2/S-010	Report Issue Date	03/03/2025
Service Request form No.	UERL/AIR/D/SRF/02/S-010	Service Request Date	13/02/2025
Sample ID No.	UERL/AIR/D/ID/S-25/02/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/02/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	13/02/2025	Date of Testing	14/02/2024
Stack Sampling Attached to	HNO ₃ Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

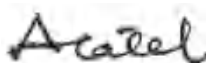
Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	52

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NO _x)	mg/Nm ³	BDL (MDL:5.0)	25	IS: 11255 (Part 7): 2005 RA.2017

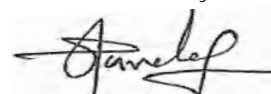
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

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)

Test Report No.	UERL/25/02/AIL-2/S-011	Report Issue Date	03/03/2025
Service Request form No.	UERL/AIR/D/SRF/02/S-011	Service Request Date	12/02/2025
Sample ID No.	UERL/AIR/D/ID/S-25/02/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/02/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/02/2025	Date of Testing	13/02/2024
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-9)		
Air Pollution Control Device	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	27
3.	Flue Gas Temperature	°C	52

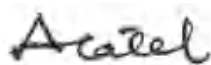
➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL(MDL:4.0)	40	IS 11255 (Part 2)

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

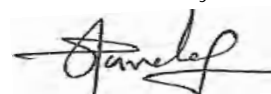
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/02/AIL-2/S-012	Report Issue Date	03/03/2025
Service Request form No.	UERL/AIR/D/SRF/02/S-012	Service Request Date	12/02/2025
Sample ID No.	UERL/AIR/D/ID/S-25/02/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/02/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/02/2025	Date of Testing	13/02/2024
Stack Sampling Attached to	SAC And TAR Plant. (S-10)		
Air Pollution Control Devise	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	55

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.5	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL(MDL:0.1)	**	GC Method

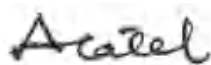
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

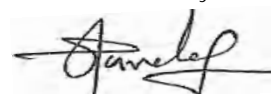
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/02/AIL-2/S-013	Report Issue Date	03/03/2025
Service Request form No.	UERL/AIR/D/SRF/02/S-013	Service Request Date	13/02/2025
Sample ID No.	UERL/AIR/D/ID/S-25/02/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/02/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	13/02/2025	Date of Testing	14/02/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	50

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	11.7	40	IS 11255 (Part 2)
2.	VOCs	Ppm	BDL(MDL:0.1)	**	GC Method

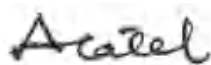
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

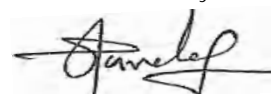
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/03/AIL-2/S-004	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-004	Service Request Date	27/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	27/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant & Scrubber Connected to NSA. (S-1 & S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	58

➤ Test Parameter Results

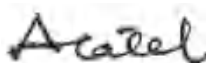
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	41.2	1250	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm ³	6.6	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

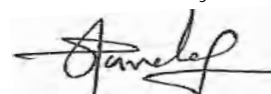
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/03/AIL-2/S-005	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-005	Service Request Date	13/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	13/03/2025	Date of Testing	14/03/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

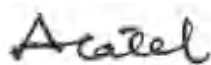
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	16	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

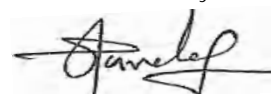
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/03/AIL-2/S-006	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-006	Service Request Date	12/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/03/2025	Date of Testing	14/03/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) (S-4)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	56

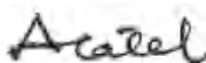
➤ Test Parameter Results

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

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

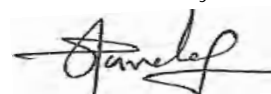
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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)

Test Report No.	UERL/25/03/AIL-2/S-007	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-007	Service Request Date	12/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/03/2025	Date of Testing	14/03/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2) (S-5)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	42

➤ Test Parameter Results

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

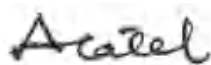
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) **: Limit Not Define in GPCB CC&A.

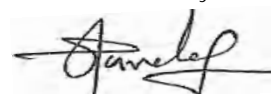
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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)

Test Report No.	UERL/25/03/AIL-2/S-008	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-008	Service Request Date	13/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/03/2025	Date of Testing	14/03/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

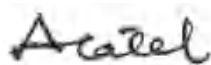
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	14.2	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

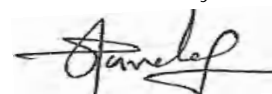
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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)

Test Report No.	UERL/25/03/AIL-2/S-009	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-009	Service Request Date	12/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/03/2025	Date of Testing	14/03/2024
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	48

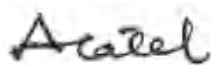
➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	TVOCs	ppm	7.5	**	GC Method

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

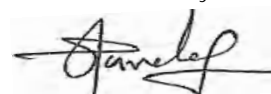
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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)

Test Report No.	UERL/25/03/AIL-2/S-010	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-010	Service Request Date	12/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/03/2025	Date of Testing	14/03/2024
Stack Sampling Attached to	HNO ₃ Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

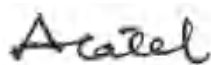
Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	44

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NO _x)	mg/Nm ³	BDL (MDL:5.0)	25	IS: 11255 (Part 7): 2005 RA.2017

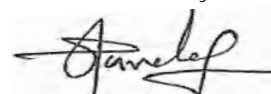
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

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)

Test Report No.	UERL/25/03/AIL-2/S-011	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-011	Service Request Date	27/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	27/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-9)		
Air Pollution Control Device	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	42

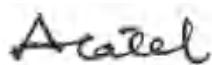
➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	18	40	IS 11255 (Part 2)

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

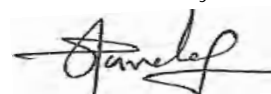
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/03/AIL-2/S-012	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-012	Service Request Date	12/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/03/2025	Date of Testing	14/03/2024
Stack Sampling Attached to	SAC And TAR Plant. (S-10)		
Air Pollution Control Devise	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	50

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	8.6	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL(MDL:0.1)	**	GC Method


Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

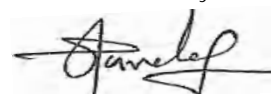
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/25/03/AIL-2/S-013	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-013	Service Request Date	13/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	13/03/2025	Date of Testing	14/03/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	50

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.8	40	IS 11255 (Part 2)
2.	VOCs	Ppm	4.2	**	GC Method


Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

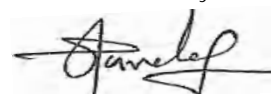
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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)

Test Report No.	UERL/25/03/AIL-2/S-014	Report Issue Date	03/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-014	Service Request Date	12/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/015
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	12/03/2025	Date of Testing	14/03/2024
Stack Sampling Attached to	DCP Drum Filling Scrubber. (S-12)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	55

➤ Test Parameter Results

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

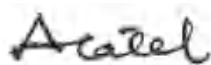
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

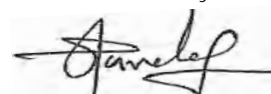
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: October – 2024.

FOR

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

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195. Gujarat, India.

Phone : +91 260 2433966 / 2425610

Email : response@uerl.in Website : www.uerl.in

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: October - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/10/AIL-2/A-001

Report Issue Date: 05/11/2024

Location : AAQM-1 : Near Main Gate

Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	01/10/2024	75	26	17.4	22.5
2	02/10/2024	71	22	18.5	23.7
3	09/10/2024	68	19	22.1	27.3
4	10/10/2024	69	26	20.7	26.5
5	16/10/2024	70	21	20.2	25.5
6	17/10/2024	66	21	16.8	21.6
7	22/10/2024	63	16	16.1	22.1
8	23/10/2024	73	27	19.2	23.2
9	28/10/2024	68	24	19.6	25.3
10	28/10/2024	70	23	18.5	22.4
Max.		75	27	22.1	27.3
Min.		63	16	16.1	21.6
98 th Percentile		74.6	26.8	21.8	27.2
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: October - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/10/AIL-2/A-002

Report Issue Date: 05/11/2024

Location : AAQM-2 : Near ETP Plant

Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	01/10/2024	70	23	20.2	26.2
2	02/10/2024	68	21	15.2	21.4
3	09/10/2024	78	26	16.5	24.2
4	10/10/2024	67	19	17.2	22.4
5	16/10/2024	71	23	15.8	23.4
6	17/10/2024	73	24	17.2	24.1
7	22/10/2024	74	23	14.2	19.8
8	23/10/2024	72	24	15.2	20.7
9	28/10/2024	63	18	17.2	24.3
10	28/10/2024	75	26	16.4	21.6
Max.		78	26	20.2	26.2
Min.		63	18	14.2	19.8
98 th Percentile		77.5	26.0	19.7	25.9
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: October - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/10/AIL-2/A-003

Report Issue Date: 05/11/2024

Location : AAQM-3 : Near DCS PCC Control Room)

Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	01/10/2024	73	22	22.1	26.6
2	02/10/2024	66	18	15.7	20.2
3	09/10/2024	72	23	21.4	25.1
4	10/10/2024	71	25	17.5	21.8
5	16/10/2024	66	24	15.5	19.8
6	17/10/2024	64	19	18.6	22.3
7	22/10/2024	80	28	15.8	23.5
8	23/10/2024	76	27	17.3	23.1
9	28/10/2024	72	23	16.2	21.3
10	28/10/2024	68	22	17.2	20.6
Max.		80	28	22.1	26.6
Min.		64	18	15.5	19.8
98 th Percentile		79.3	27.8	22.0	26.3
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: November – 2024.

FOR

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

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195. Gujarat, India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: November - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/11/AIL-2/A-001

Report Issue Date: 05/12/2024

Location : AAQM-1 : Near Main Gate

Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/11/2024	73	24	14.7	17.5
2	06/11/2024	67	21	16.3	19.2
3	12/11/2024	74	26	18.3	21.9
4	13/11/2024	69	23	15.9	20.4
5	20/11/2024	68	22	13.6	17.2
6	21/11/2024	72	24	15.2	20.4
7	27/11/2024	70	25	14.1	18.6
8	28/11/2024	74	27	16.8	21.5
Max.		74	27	18.3	21.9
Min.		67	21	13.6	17.2
98 th Percentile		74.0	26.9	18.1	21.8
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: November - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/11/AIL-2/A-002

Report Issue Date: 05/12/2024

Location : AAQM-2 : Near ETP Plant

Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/11/2024	70	22	19.5	25.4
2	06/11/2024	74	25	19.3	23.4
3	12/11/2024	69	23	17.5	21.2
4	13/11/2024	62	18	15.2	20.4
5	20/11/2024	75	24	18.5	22.8
6	21/11/2024	68	23	20.4	26.2
7	27/11/2024	72	26	21.8	27.2
8	28/11/2024	66	22	18.6	24.5
Max.		75	26	21.8	27.2
Min.		62	18	15.2	20.4
98 th Percentile		74.9	25.9	21.6	27.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: November - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/11/AIL-2/A-003

Report Issue Date: 05/12/2024

Location : AAQM-3 : Near DCS PCC Control Room)

Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/11/2024	66	20	15.1	20.9
2	06/11/2024	68	23	17.1	21.1
3	12/11/2024	73	24	14.7	17.5
4	13/11/2024	67	21	16.3	19.2
5	20/11/2024	74	26	18.3	21.9
6	21/11/2024	66	20	15.9	20.4
7	27/11/2024	68	22	13.6	17.2
8	28/11/2024	72	24	15.2	20.4
Max.		74	26	18.3	21.9
Min.		66	20	13.6	17.2
98 th Percentile		73.9	25.7	18.1	21.8
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: December – 2024.

FOR

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

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195. Gujarat, India.

Phone : +91 260 2433966 / 2425610

Email : response@uerl.in Website : www.uerl.in

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: December - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/12/AIL-2/A-001

Report Issue Date: 02/01/2025

Location : AAQM-1 : Near Main Gate

Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/12/2024	75	26	18.2	18.5
2	04/12/2024	68	20	13.1	24.1
3	11/12/2024	63	19	14.5	19.4
4	12/12/2024	71	21	13.5	20.4
5	17/12/2024	68	19	15.6	21.2
6	18/12/2024	64	18	14.3	22.5
7	25/12/2024	67	20	16.4	20.2
8	26/12/2024	62	16	13.6	17.6
9	30/12/2024	73	24	12.7	19.3
10	31/12/2024	70	22	17.4	17.2
Max.		75	26	18.2	24.1
Min.		62	16	13.1	17.6
98 th Percentile		74.4	25.3	17.9	23.9
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: December - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/12/AIL-2/A-002

Report Issue Date: 02/01/2025

Location : AAQM-2 : Near ETP Plant

Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/12/2024	66	23	14.8	21.5
2	04/12/2024	61	21	16.7	22.1
3	11/12/2024	59	18	13.2	18.2
4	12/12/2024	63	22	12.6	19.7
5	17/12/2024	58	20	14.8	21.4
6	18/12/2024	60	18	13.5	20.5
7	25/12/2024	68	22	14.4	18.7
8	26/12/2024	61	17	17.3	16.2
9	30/12/2024	67	23	12.5	19.7
10	31/12/2024	64	21	11.2	15.3
Max.		68	23	17.3	22.1
Min.		58	17	12.6	16.2
98 th Percentile		67.7	22.9	17.2	22.0
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: December - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/12/AIL-2/A-003

Report Issue Date: 02/01/2025

Location : AAQM-3 : Near DCS PCC Control Room)

Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/12/2024	68	21	11.8	19.8
2	04/12/2024	60	18	16.3	21.2
3	11/12/2024	58	20	15.2	20.4
4	12/12/2024	61	19	13.5	16.4
5	17/12/2024	65	17	16.3	18.6
6	18/12/2024	57	15	15.5	17.6
7	25/12/2024	63	18	16.7	20.4
8	26/12/2024	70	21	13.3	21.6
9	30/12/2024	68	18	12.4	16.3
10	31/12/2024	63	20	14.6	18.4
Max.		70	21	16.7	21.6
Min.		57	15	11.8	16.4
98 th Percentile		69.7	21.0	16.6	21.5
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: January – 2025.

FOR

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

At

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

Monitoring Organization



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

MoEF&CC Environmental Laboratory under
EPA, 1986 as 04.11.2024 to 18.10.2027

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: January - 2025

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/25/01/AIL-2/A-001

Report Issue Date: 03/02/2025

Location : AAQM-1 : Near Main Gate

Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	07/01/2025	78	32	19.5	25.2
2	08/01/2025	77	30	17.2	24.2
3	16/01/2025	69	28	20.6	27.3
4	17/01/2025	71	26	19.3	22.4
5	21/01/2025	73	29	16.6	25.6
6	22/01/2025	76	32	17.2	21.3
7	28/01/2025	74	29	18.4	23.5
8	29/01/2025	72	31	21.2	28.1
Max.		78	32	21.2	28.1
Min.		69	26	16.6	21.3
98 th Percentile		77.9	32.0	21.1	28.0
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: January - 2025

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/25/01/AIL-2/A-002

Report Issue Date: 03/02/2025

Location : AAQM-2 : Near ETP Plant

Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr. No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	07/01/2025	69	23	16.8	22.5
2	08/01/2025	71	24	20.5	23.3
3	16/01/2025	75	29	17.6	25.2
4	17/01/2025	69	26	18.4	21.6
5	21/01/2025	72	28	21.2	26.7
6	22/01/2025	73	27	19.5	24.2
7	28/01/2025	70	25	15.7	27.2
8	29/01/2025	81	29	16.6	26.6
Max.		81	29	21.2	27.2
Min.		69	23	15.7	21.6
98 th Percentile		80.2	29.0	21.1	27.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: January - 2025

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/25/01/AIL-2/A-003

Report Issue Date: 03/02/2025

Location : AAQM-3 : Near DCS PCC Control Room)

Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	07/01/2025	75	19	15.2	19.9
2	08/01/2025	66	22	16.4	21.3
3	16/01/2025	73	28	20.1	23.5
4	17/01/2025	65	23	17.4	20.2
5	21/01/2025	69	20	18.7	22.7
6	22/01/2025	72	26	15.5	20.8
7	28/01/2025	70	24	14.7	19.6
8	29/01/2025	72	21	20.5	21.6
Max.		75	28	20.5	23.5
Min.		65	19	14.7	19.6
98 th Percentile		74.7	27.7	20.4	23.4
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: February - 2025.

FOR

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

At

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

Monitoring Organization



Plot No.51, Vibrant Business Park,
NH No.48, GIDC, Vapi-396195
Dist-Valsad (Gujarat), India
Phone + 91 260 2433966/2425610
Email : response@uerl.in Website : www.uerl.in

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: FEBRUARY - 2025

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/25/02/AIL-2/A-001

Report Issue Date: 03/03/2025

Location : AAQM-1 : Near Main Gate

Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/02/2025	73	22	15.7	22.3
2	05/02/2025	65	20	14.3	21.2
3	11/02/2025	78	24	17.2	25.4
4	12/02/2025	67	23	16.2	23.4
5	20/02/2025	80	25	18.1	26.2
6	21/02/2025	71	25	18.4	25.3
7	27/02/2025	72	21	16.5	24.2
8	28/02/2025	62	18	13.6	19.4
Max.		80	25	18.4	26.2
Min.		62	18	13.6	19.4
98 th Percentile		79.7	25.0	18.4	26.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Ankur R. Patel

(Supervisor)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: FEBRUARY - 2025

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/25/02/AIL-2/A-002

Report Issue Date: 03/03/2025

Location : AAQM-2 : Near ETP Plant

Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr. No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/02/2025	72	21	14.6	21.7
2	05/02/2025	66	17	15.2	23.4
3	11/02/2025	67	18	13.5	20.4
4	12/02/2025	71	22	16.4	25.3
5	20/02/2025	76	25	15.4	24.3
6	21/02/2025	75	24	17.2	26.7
7	27/02/2025	78	26	16.4	26.2
8	28/02/2025	68	22	14.6	21.2
Max.		78	26	17.2	26.7
Min.		66	17	13.5	20.4
98 th Percentile		77.7	25.9	17.1	26.6
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Ankur R. Patel

(Supervisor)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

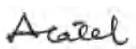

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: FEBRUARY - 2025

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/25/012AIL-2/A-003	Report Issue Date: 03/03/2025
Location : AAQM-3 : Near DCS PCC Control Room)	Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/02/2025	65	21	15.5	19.2
2	05/02/2025	70	23	16.1	22.6
3	11/02/2025	72	23	20.2	26.4
4	12/02/2025	76	25	17.5	21.8
5	20/02/2025	65	20	15.4	19.7
6	21/02/2025	68	22	18.9	22.5
7	27/02/2025	75	28	17.5	25.6
8	28/02/2025	63	18	14.5	21.4
Max.		76	28	20.2	26.4
Min.		63	18	14.5	19.2
98 th Percentile		75.9	27.6	20.0	26.3
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

<p>Checked By:</p>  <p>Ankur R. Patel (Supervisor)</p>	<p>Authorized By:</p>  <p>Jaivik S. Tandel (Manager - Operations)</p>
---	--

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: March - 2025.

FOR

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

At

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

Monitoring Organization



Plot No.51, Vibrant Business Park,
NH No.48, GIDC, Vapi-396195
Dist-Valsad (Gujarat), India
Phone + 91 260 2433966/2425610
Email : response@uerl.in Website : www.uerl.in

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: MARCH - 2025

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/25/03/AIL-2/A-001

Report Issue Date: 03/04/2025

Location : AAQM-1 : Near Main Gate

Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/03/2025	68	19	14.3	19.5
2	05/03/2025	73	24	16.7	20.7
3	11/03/2025	71	20	13.4	21.3
4	12/03/2025	65	26	16.5	22.4
5	18/03/2025	72	18	18.6	21.2
6	19/03/2025	80	27	16.3	20.4
7	27/03/2025	78	25	15.4	23.6
8	28/03/2025	66	20	17.3	21.5
Max.		80	27	18.6	23.6
Min.		65	18	13.4	19.5
98 th Percentile		79.7	26.9	18.4	23.4
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Ankur R. Patel

(Supervisor)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: MARCH - 2025

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/25/03/AIL-2/A-002

Report Issue Date: 03/04/2025

Location : AAQM-2 : Near ETP Plant

Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr. No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/03/2025	65	26	12.5	20.6
2	05/03/2025	71	20	13.2	21.6
3	11/03/2025	68	19	14.5	24.2
4	12/03/2025	74	24	15.6	22.6
5	18/03/2025	65	18	12.7	23.4
6	19/03/2025	70	25	16.9	20.8
7	27/03/2025	76	17	14.5	25.3
8	28/03/2025	68	21	17.5	23.6
Max.		76	26	17.5	25.3
Min.		65	17	12.5	20.6
98 th Percentile		75.7	25.9	17.4	25.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Ankur R. Patel

(Supervisor)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: MARCH - 2025

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/25/03/AIL-2/A-003

Report Issue Date: 03/04/2025

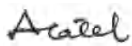
Location : AAQM-3 : Near DCS PCC Control Room)

Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/03/2025	72	17	14.7	21.5
2	05/03/2025	68	22	15.3	18.3
3	11/03/2025	75	25	17.8	23.4
4	12/03/2025	70	18	20.5	21.5
5	18/03/2025	63	26	13.6	25.7
6	19/03/2025	74	20	16.9	22.5
7	27/03/2025	69	21	14.6	25.3
8	28/03/2025	64	15	18.5	23.7
Max.		75	26	20.5	25.7
Min.		63	15	13.6	18.3
98 th Percentile		74.9	25.9	20.2	25.6
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Ankur R. Patel

(Supervisor)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

3.0 NOISE LEVEL MONITORING REPORT



Period: October – 2024.

FOR

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

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195, Gujarat, India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

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

Test Report No.:	UERL/24/10/AIL-2/N-001	Date of Report:	05/11/2024
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981.		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2024	01/02/2025

Date of Monitoring: 22/10/2024


DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	69.2	52.2	75 dB (A)	70 dB (A)
2.	New D.G. Set	71.2	50.5	75 dB (A)	70 dB (A)
3.	Near Main Gate	60.5	51.5	75 dB (A)	70 dB (A)
4.	Near DCA Plant	69.1	53.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	64.1	52.6	75 dB (A)	70 dB (A)

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

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

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

Checked By:


Nikunj D. Patel
(Chemist)

Authorized By:


Jaivik S. Tandel
(Manager - Operations)

3.0 NOISE LEVEL MONITORING REPORT



Period: November – 2024.

FOR

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

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195. Gujarat, India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

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

Test Report No.:	UERL/24/11/AIL-2/N-001	Date of Report:	05/12/2024
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981.		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2024	01/02/2025

Date of Monitoring: 29/11/2024

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	68.5	51.6	75 dB (A)	70 dB (A)
2.	New D.G. Set	70.6	66.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	59.7	53.4	75 dB (A)	70 dB (A)
4.	Near DCA Plant	67.3	61.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	63.7	58.4	75 dB (A)	70 dB (A)

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

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

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

Checked By:


Nikunj D. Patel
(Chemist)

Authorized By:


Jaivik S. Tandel
(Manager - Operations)

3.0 NOISE LEVEL MONITORING REPORT



Period: December – 2024.

FOR

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

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195, Gujarat, India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

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

Test Report No.:	UERL/24/12/AIL-2/N-001	Date of Report:	02/01/2025
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981.		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2024	01/02/2025

Date of Monitoring: 18/12/2024

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	66.2	62.3	75 dB (A)	70 dB (A)
2.	New D.G. Set	72.5	66.4	75 dB (A)	70 dB (A)
3.	Near Main Gate	60.1	55.8	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.4	61.5	75 dB (A)	70 dB (A)
5.	Near Material Gate	61.4	56.5	75 dB (A)	70 dB (A)

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

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

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

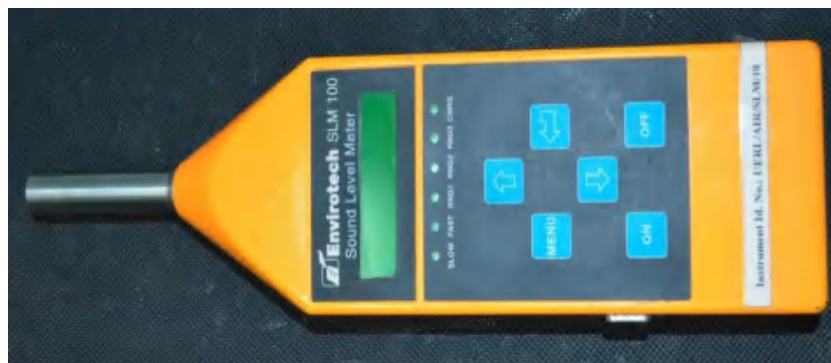
Checked By:


Nikunj D. Patel
(Chemist)

Authorized By:


Jaivik S. Tandel
(Manager - Operations)

3.0 NOISE LEVEL MONITORING REPORT



Period: January - 2025.

FOR

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

At

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

Monitoring Organization



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

MoEF&CC Environmental Laboratory under
EPA, 1986 as 04.11.2024 to 18.10.2027

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/25/01/AIL-2/N-001	Date of Report:	02/02/2025
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981.		

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

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2024	01/02/2025

Date of Monitoring: 21/01/2025

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	63.2	58.2	75 dB (A)	70 dB (A)
2.	New D.G. Set	71.5	67.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	62.3	58.4	75 dB (A)	70 dB (A)
4.	Near DCA Plant	65.4	62.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	62.4	57.3	75 dB (A)	70 dB (A)

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

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

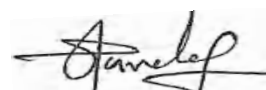
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

3.0 NOISE LEVEL MONITORING REPORT



Period: February - 2025.

FOR

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

At

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

Monitoring Organization



Plot No.51, Vibrant Business Park,
NH No.48, GIDC, Vapi-396195
Dist-Valsad (Gujarat), India
Phone + 91 260 2433966/2425610
Email : response@uerl.in Website : www.uerl.in

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

Test Report No.:	UERL/25/02/AIL-2/N-001	Date of Report:	03/03/2025
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981.		

➤ Details of Instrument Used for Monitoring.

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

Date of Monitoring: 13/02/2025

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	62.5	57.8	75 dB (A)	70 dB (A)
2.	New D.G. Set	70.2	66.4	75 dB (A)	70 dB (A)
3.	Near Main Gate	63.1	57.5	75 dB (A)	70 dB (A)
4.	Near DCA Plant	64.2	60.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	63.4	58.4	75 dB (A)	70 dB (A)

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

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

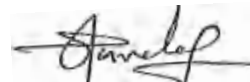
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

3.0 NOISE LEVEL MONITORING REPORT



Period: March - 2025.

FOR

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

At

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

Monitoring Organization



Plot No.51, Vibrant Business Park,
NH No.48, GIDC, Vapi-396195
Dist-Valsad (Gujarat), India
Phone + 91 260 2433966/2425610
Email : response@uerl.in Website : www.uerl.in

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

Test Report No.:	UERL/25/03/AIL-2/N-001	Date of Report:	03/04/2025
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981.		

➤ Details of Instrument Used for Monitoring.

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

Date of Monitoring: 12/03/2025

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	65.8	58.6	75 dB (A)	70 dB (A)
2.	New D.G. Set	72.3	68.3	75 dB (A)	70 dB (A)
3.	Near Main Gate	65.3	58.5	75 dB (A)	70 dB (A)
4.	Near DCA Plant	66.7	62.4	75 dB (A)	70 dB (A)
5.	Near Material Gate	65.6	58.9	75 dB (A)	70 dB (A)

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

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

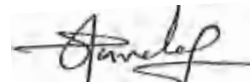
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)



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

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

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

सेवा में
/To,

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

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

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

महोदय
/Sir(s),

कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या OIN1117305 दिनांक 23/08/2022 का संदर्भ ग्रहण करें ।
Reference to your letter No. OIN1117305 dated 23/08/2022 on the above subject.

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

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

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

कृपया पावती दें।
Please acknowledge the receipt.

भवदीय /Yours faithfully,

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

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

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

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

Disclaimer : This page gives the latest action taken by this organization on your application. This page is made available for the information of concerned applicant/licensee only. All efforts have been made to secure this information. However, PESO will not be responsible for any misuse of the information by unauthorized persons including the hackers.

Date: 14.07.2023

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

Subject: Submission of documents as discussed during the meeting.


Respected Sir,

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

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

Thanking You,
For, Aarti Industries Limited,


Sandip Parekh
(Authorized Signatory)

 14/7/2023
બુનિયત કરાઈ
ઔદ્યોગિક સલામતી અને સ્વાસ્થ્ય
ભરૂચ

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

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

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

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

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

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

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

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

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

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



MOU between of 7X Multispeciality Hospital, Bharuch & Aarti Industries Limited Dahej Zone 3.

This agreement is between 7X Multispeciality Hospital & Aarti Industries Limited Dahej (Zone 3) On 15/12/2021.

Terms and conditions of agreement is as below:

- Hospital hereby undertakes to extend its medical / surgical facilities on credit basis and direct payment basis for complete outpatient/inpatient/emergency medical /surgical treatment including diagnosis, tests, investigations, blood transfusion services, ambulance services, prescription, dispensation of medicines etc., to the persons designated by Aarti Industries Limited Dahej(zone 3).
- Prior to sending patients to the hospital, company personnel will communicate through mail or telephonically with the concerned person of the hospital (details are attached).
- Patient shall show an ID card at the hospital provided by the Company at the time of admission or consultation. Company medical officer or HR Department. will send a credit letter to the hospital within 24 hours in case of hospitalization. Credit letter will consist of several important details (e.g. Name of the employee, department, employee code,accommodation class, copayment).
- The Company will make the payment within fifteen days after the receipt of the bill.The scan copy will be emailed to the company immediately and the Hard copy of the bill will be couriered at your plant.

Hospital will provide the free health talks by the doctors for the Company Employee at Site(Dahej) subject to the cost of transportation of the Doctors shall be born by the Company.

- Free consultation for Physician, Gynecologist, Orthopedic Surgeon and General Surgeon on providing the Company Card at reception counter. For Families of employees Hospital will provide first Consultation Free and 30% discount on follow up OPD consultations.
- Hospital will provide a 35% discount on ECO and TMT on presentation of the Company ID card.
- The Hospital will provide the additional services if required with mutually agreed terms and Conditions which includes services like Health Talk, periodic medical check up, pre-employment checkup, Onsite Camps and providing and managing OHC including factory medical officer, qualified male nurses, drivers, compounders, ambulance etc.
- Hospital will provide a Physician,Gynecologist visit and consultation every 2 monthly at the site and Dietitian visit and consultation every monthly at site.
- Hospital will provide a Cancer Awareness session by an Oncologist for employees at the site/ Virtual.

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

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

Factory : Plot No. Z/103/H, Dahej Sez II,Tal. Vagara, Dist.Bharuch, Gujarat -392130. INDIA.

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

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



AARTI INDUSTRIES LIMITED

- For insured patients, the approved SOC of the Insurance Company/TPA will be applicable.
- For Company employees whose payment will be done by The Company and for self paying patients Hospital will give a 10% discount on the total bill (Excluding Outsource investigation, Pharmacy, Lab.)
- No administrative or service charges will be charged to Company employees and their dependents.
- Ambulance service within Bharuch is complimentary.
- For OPD services, 10% discount on Pharmacy, 20% on laboratory & radiology services.

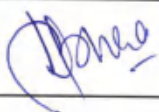
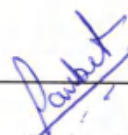
Following are the authorized person to call in case of seeking medical services:

Aarti Industries Limited, Dahej (Zone 3):

Sr.No.	Name	Designation	Contact No	Email ID.
1	Mr.Vinod Mishra	Zonal Head	7069010692	vinod.mishra@aarti-industries.com
2	Mr.Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industries.com
3	Mr.Raman Parulkar	Zone HR Head	7069008071	raman.parulkar@aarti-industries.com
4	Mr.Vilas Gurav	Zone Safety Head	9099005387	vilas.gurav@aarti-industries.com
5	Dr.Avanika Parmar	Factory Medical officer	7069004371	avanika.parmar@aarti-industries.com
6	Dr.Naitik Modi	Factory Medical officer	6358920854	naitik.modi@aarti-industries.com

7X Multispeciality Hospital:

Sr.No.	Name	Designation	Contact No	Email ID.
1	Sanket Shah	Operation Manager	9824143278	7xcorporate@gmail.com
2	Hardish Patel	Operation Manager	7990857930	7xcorporate@gmail.com

	
Name & Sign of authorized Signatory Aarti Industries Limited Dahej VINOD KUMAR MISHRA	Name & Sign of authorized Signatory 7X Multispeciality Hospital, Bharuch SANKET SHAH.

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

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

Factory : Plot No. Z/103/H, Dahej Sez II, Tal. Vagara, Dist. Bharuch, Gujarat -392130. INDIA.

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.
T : 022-67976666, F : 022-2565 3234 | E : info@aarti-industries.com

Date : 12-Sep-2024

-: HEALTH REPORT :-
AARTI INDUSTRIES -- NEO, DAHEJ

Employee ID	: 59001613	Sr No.	: 224
Name	: Saurabh Dobariya	Birth Date	: 12-Feb-1994
Designation	: Mechanical Utility Service Officer	Joining Date	: 15-May-2023
Age	: 31 yrs	Gender	: Male

History:	Past History:	NAD	Occupational History :	NAD
	Family History :		FATHER -DM	

General Examination:

Height	: 169 cm	Weight	: 64 kg	BMI	: 22.41 kg/m ²
Pulse	: 83 /min	BP	: 122/84 mmHg	BSA	: 1.73 m ²

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

Systemic Examination:

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

Vision

Acuity	RT Eye	LT Eye
Distant	6/6	6/6
Distant Vision	NORMAL	
Near	N/6	N/6
Near Vision	NORMAL	
Colour Vision	NORMAL	

Remarks:

FIT FOR JOB

DR DEEP PATEL
MBBS, CIH (G-60314)

DR. DEEP PATEL
MBBS CIH

Reg. No. G-60314

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

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

☎ +91 70166 49599

✉ deeppatel.cih@gmail.com

Shreeji Diagnosis & Healthcare

401, Devashish Business Park, Satellite,

Ahmedabad.

Patient: SAURABH DOBARIYA

Refd. By:

Pred. Eqns: RECORDERS

Date : 12-Sep-2024 12:26 PM

Age : 30 Yrs

Height : 170 Cms

Weight : 64 Kgs

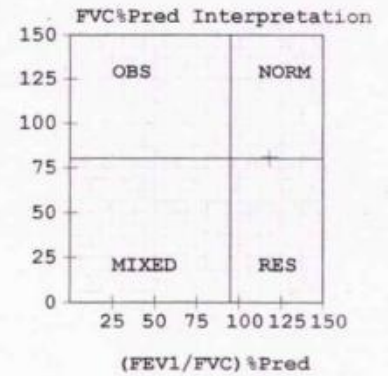
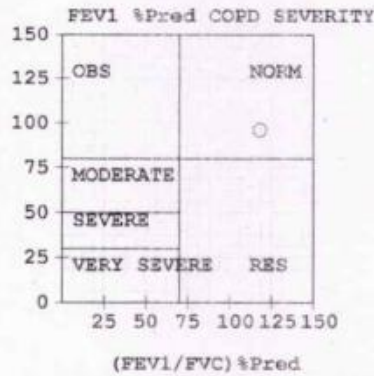
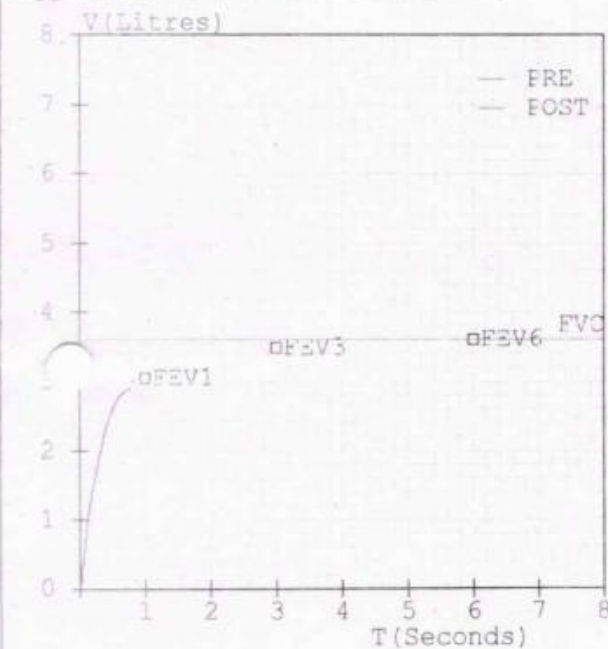
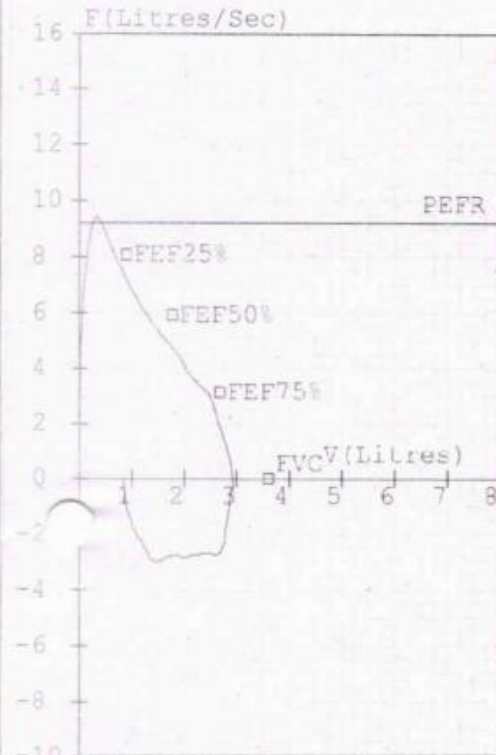
ID : 12439

Gender : Male

Smoker : Yes

Eth. Corr: 100

Temp :



FVC Results							
Parameter		Pred	M. Pre	%Pred	M. Post	%Pred	%Imp
FVC	(L)	03.59	02.92	081	-----	---	---
FEV1	(L)	03.04	02.92	096	-----	---	---
FEV1/FVC	(%)	84.68	100.00	118	-----	---	---
FEF25-75	(L/s)	04.39	05.21	119	-----	---	---
PEFR	(L/s)	09.20	09.31	101	-----	---	---
FIVC	(L)	-----	02.08	---	-----	---	---
FEV.5	(L)	-----	02.62	---	-----	---	---
FEV3	(L)	03.48	02.92	084	-----	---	---
PIFR	(L/s)	-----	03.01	---	-----	---	---
FEF75-85	(L/s)	-----	03.19	---	-----	---	---
FEF.2-1.2	(L/s)	07.57	07.66	101	-----	---	---
FEF 25%	(L/s)	08.08	07.73	096	-----	---	---
FEF 50%	(L/s)	05.92	05.36	091	-----	---	---
FEF 75%	(L/s)	03.13	03.56	114	-----	---	---
FEV.5/FVC	(%)	-----	89.73	---	-----	---	---
FEV3/FVC	(%)	96.94	100.00	103	-----	---	---
FET	(Sec)	-----	00.80	---	-----	---	---
ExptTime	(Sec)	-----	00.04	---	-----	---	---
Lung Age	(Yrs)	030	031	103	-----	---	---
FEV6	(L)	03.59	-----	---	-----	---	---
FIF25%	(L/s)	-----	02.39	---	-----	---	---
FIF50%	(L/s)	-----	02.46	---	-----	---	---
FIF75%	(L/s)	-----	02.73	---	-----	---	---

Test within normal limits

Pre Medication Report Indicates

Spirometry within normal limits as (FEV1/FVC)%Pred >95 and FVC%Pred >80

DR. DEEP PATEL
MBBS CIH
Reg. No. G-60314

Name	: Saurabh Dobariya	Registered Date	: 12-09-2024
Age/Gender	: 31 Y / Male	Reported Date	: 13-09-2024
Patient No	: AIN224	Report Printed	: 20-09-2024
Referred By	: AARTI INDUSTRIES - NEO		

HEMATOLOGY

COMPLETE BLOOD COUNT (CBC)
(ERBA H360 - Erba Mannheim, Germany)

Test Description	RESULT	Reference Range
Hemoglobin (Hb)	15.20 gm/dL	13.5 - 18.0
Erythrocyte (RBC) Count	5.22 mil/cu.mm	4.7 - 6.0
Packed Cell Volume (PCV)	48.90 %	37 - 50
Total Leucocytes (WBC) Count	5220 cell/cu.mm	4000 - 11000
Mean Cell Volume (MCV)	93.60 fL	78 - 100
Mean Cell Haemoglobin (MCH)	29.00 pg	26 - 32
Mean Corpuscular Hb Conc. (MCHC)	31.00 g/dL	32 - 36
Red Cell Distribution Width (RDW)	14.10 %	11.6 - 14.0

Differential Leucocyte Count (DLC)

Neutrophils	54 %	40 - 80
Lymphocytes	42 %	20 - 40
Monocytes	02 %	02 - 10
Eosinophils	02 %	01 - 06
Basophils	00 %	00 - 01
Platelet count	362000/Cu.mm	150000 - 450000

Peripheral Smear

RBC Morphology	Normocytic Normochromic
WBC Morphology	Within normal limits
PLATELETS	Adequate in number

Deep Patel
Dr. Deep Patel
DMRE, CIH

Shweta Sharma
Dr. Shweta Sharma
MD (Patho.)

Hardik Kabra
Dr. Hardik Kabra
MD (Patho.)

Maulin Patel
Dr. Maulin Patel
MD (Patho.)


Name : Saurabh Dobariya
Age/Gender : 31 Y / Male
Patient No : AIN224
Referred By : AARTI INDUSTRIES - NEO


Registered Date : 12-09-2024
Reported Date : 13-09-2024
Report Printed : 20-09-2024

Biochemistry
(ERBA 200 - Erba Mannheim, Germany)

Test Description	Result	Reference Range
Liver Function Test		
Bilirubin - Total Method : Serum, Jendrassik Grof	0.40 mg/dL	0.3 - 1.2
Bilirubin - Direct Method : Serum, Diazoization	0.08 mg/dL	< 0.3
Bilirubin - Indirect Method : Serum, Calculated	0.32 mg/dL	0.1 - 1.0
SGOT Method : Serum, UV with P5P, IFCC 37 degree	17.10 U/L	0 - 50
SGPT Method : Serum, UV with P5P, IFCC 37 degree	23.20 U/L	5 - 45
GGT-Gamma Glutamyl Transpeptidase Method : Serum, G-glutamyl-carboxy-nitroanilide	17.50 U/L	< 55
S. Alkaline Phosphatase	96.90 U/L	45 - 129
Renal Function Test		
Blood Urea Level (BUL) (Urease - GLDH Method)	16.80 mg/dL	12.6 - 42.6
Sr. Creatinine (Jaffes Buffer - Kinetic)	0.72 mg/dL	0.5 - 1.3
BLOOD SUGAR		
RANDOM BLOOD SUGAR (RBS) Method :-(GOD - PAP) End Point	85.60 mg/dL	70 - 110
Urine Sugar	Absent	
Urine Ketone	Absent	


Dr. Deep Patel
DMRE, CIH


Dr. Shweta Sharma
MD (Patho.)


Dr. Hardik Kabra
MD (Patho.)


Dr. Maulin Patel
MD (Patho.)

Name	: Saurabh Dobariya	Registered Date	: 12-09-2024
Age/Gender	: 31 Y / Male	Reported Date	: 13-09-2024
Patient No	: AIN224	Report Printed	: 20-09-2024
Referred By	: AARTI INDUSTRIES - NEO		

CLINICAL PATHOLOGY


Test Description	Result	Reference Range
URINE ROUTINE EXAMINATION		
Colour	Pale Yellow	
Volume	15	
Appearance	CLEAR	
Specific gravity	1.01	1.000 – 1.035
Reaction (pH)	ACIDIC	


CHEMICAL EXAMINATION


Protein	Absent
Glucose	Absent
Ketones	Absent
Bile salts & Bile pigments	Absent
Nitrite	Absent
Urobilinogen	Absent
Blood	Absent
Amorphus Phosphate	Absent

MICROSCOPIC EXAMINATION

RBC	Absent	
Pus cells	1-2 cells/hpf	< 5
Epithelial cells	1-2 cells/hpf	< 4
Cast	ABSENT	
Bacteria	Absent	


Dr. Deep Patel
DMRE, CIH


Dr. Shweta Sharma
MD (Patho.)


Dr. Hardik Kabra
MD (Patho.)


Dr. Maulin Patel
MD (Patho.)

Name	: Saurabh Dobariya	Registered Date	: 12-09-2024
Age/Gender	: 31 Y / Male	Reported Date	: 13-09-2024
Patient No	: AIN224	Report Printed	: 20-09-2024
Referred By	: AARTI INDUSTRIES - NEO		

BIOCHEMICAL INVESTIGATIONS :

MethHB
(Oximetry on ABL Flex 800 Analyzer)

Test	Result	Unit	Reference Range
Fraction of MethHb in total Hb (FMethHb)	0.20	%	0 - 1.5

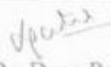
For test performed on specimens received or collected from non-NSRL locations, it is presumed that the specimen belongs to the patient named or identified as labeled on the container/test request and such verification has been carried out at the point generation of the said specimen by the sender. NSRL will be responsible Only for the analytical part of test carried out. All other responsibility will be of referring Laboratory.


PHENOL LEVEL


Test	Result
PHENOL LEVEL URINE :	Absent


Analytical method: by Spectrophotometric analysis

- Phenol (or Carbonic acid) and Cresol (or Cresylic acid) are used as disinfectants and plastic industry. They are readily absorbed through skin & gastrointestinal tract and excreted in urine mainly as glucuronide or sulphate conjugates.
- Phenols burn and cause depigmentation of the skin and corrode lips and mouth if ingested. In severe poisoning, nausea, vomiting, abdominal pain, gastric haemorrhage or perforation, metabolic acidosis, coma, hypotension and shock may occur.
- Measurement of urinary phenol levels has historically been the standard bioassay for benzene exposure, despite the well described limitations of this test.


Dr. Deep Patel
DMRE, CIH


Dr. Shweta Sharma
MD (Patho.)


Dr. Hardik Kabra
MD (Patho.)


Dr. Maulin Patel
MD (Patho.)

**STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT
AUTHORITY
GUJARAT**

PRAKASH K. MAJUMDAR
MEMBER SECRETARY
SEIAA (GUJARAT)



No. SEIAA/GUJ/EC/5(f)/ 192 /2023

Date: 14 FEB 2023

By R P A D
Time Limit

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

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

Dear Sir,

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

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

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

Office : Gujarat Pollution Control Board, "Paryavaran Bhavart" Sector-10 A, Gandhinagar-382010
Phone No.:- (079) 232-32152, 232-41514 Fax No.:- (079) 232-22784
E-mail : msseiaagj@gmail.com, Website:- www.seiaa.gujarat.gov.in

Page 1 of 12

12.	Mixture Di Chloro Aniline And/Or	Multiple 554-00-7 & 95-82-9 & 608-31-1					
13.	2,4 Di Chloro Aniline (2,4 DCA) (Crude)/2,6 Di Chloro Aniline (Crude) (2,6 DCA) And/Or	554-00-7/ 608-31-1		0	43200		
14.	3-Chloro Ortho Toluidine (3-COT) And/Or	87-60-5					
15.	3-Chloro Ortho Toluidine (Crude) (3-COT)	87-60-5					
II Diazotization Products & their derivatives (22380 MT/Annum)							
1)	2,5 Di Chloro Phenol (2,5 DCP) And/Or	583-78-8	18000	15600	4380	19980	Di chloro phenols are used as intermediates in the manufacture of more complex chemical compounds. It will be used as a raw material for chemical intermediate.
2)	2,3 Di Chloro Phenol (2,3 DCP) And/Or	576-24-9	0	0	19980		
3)	Crude of 2,5/2,3 DCP	583-78-8/ 576-24-9	0	0	19980		
4)	3,5 Di Chloro Nitro Benzene (3,5 DCNB) And/Or	618-62-2	0	2400	0	2400	Dyes, Dye intermediates, Basic pharma intermediates, Pigments, Polymer
5)	Crude of 3,5 Di Chloro Nitro Benzene	618-62-2	0	0	2400		
A	Total of Organic Chemicals (A)		39780	39780	25800	65580	
B	Inorganic Chemicals						
1)	25-40 % Nitrosyl Sulphuric Acid	7782-78-7	17640	70620	13380	84000	Used in organic chemistry to prepare diazonium salts from amines
2)	Sulphuric Acid (Above 90% Concentration)	7664-93-9	28200	31320	56592	87912	Used in chemical industry for production of basic synthetic organic chemicals
B	Total of Inorganic Chemicals (B)		45840	101940	69972	171912	
A+B	Total of Organic and Inorganic Chemicals		85620	141720	95772	237492	

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

The SEAC, Gujarat vide their letter dated 23/01/2023 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on 19/12/2022. The proposal was considered by SEIAA, Gujarat in its meeting held on 05/02/2023 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following conditions.

A. CONDITIONS

A.1 SPECIFIC CONDITION

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

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



A.2 WATER:

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

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

A.3A IR:

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

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

21. Unit shall provide adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.
22. Unit shall provide adequate APCM with process gas generation sources as mentioned below.

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



11	DCP Plant: DCA Sulphate Vent	11	Venturi water scrubber	SO ₂ VOC	40 mg/Nm ³ —
Proposed Total After Expansion					
1	Scrubber connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	30 (Common stack)	Alkali scrubber	SO ₂ Acid mist/Sulphur trioxide (For Plant Capacity per 100% Concentration of Sulphuric acid (<300 Tone/Day)	1250 mg/nm ³ (2 kg/MT of 100% conc. acid production) 70 mg/Nm ³
2	Scrubber connected to NSA		Alkali scrubber	SO ₂	40 Mg/Nm ³
3	Scrubber connected to DCP	11	Alkali scrubber	NO _x	25 Mg/Nm ³
4	Scrubber connected to tanks	11	Alkali scrubber	VOC	—
5	Scrubber connected to tanks	11	Alkali scrubber	VOC	—
6	Common Alkali scrubber for SO ₂ Tank farm	11	Alkali scrubber	SO ₂	40 mg/Nm ³
7	DCA Plant vacuum pump storage tank	11	Water Scrubber	VOC	—
8	HNO ₃ Tank Farm	11	3 Stage Alkali Scrubber	NO _x	25 Mg/Nm ³
9	Liq SO ₃ and 25% Oleum tank	11	Acid Scrubber	SO ₂	40 mg/Nm ³
10	Sulphuric Acid Concentration Plant (SAC)	11	Alkali spray Scrubber	SO ₂ VOC	40 mg/Nm ³ —
11	DCP Plant: DCA Sulphate Vent	11	Ventury water scrubber	SO ₂ VOC	40 mg/Nm ³ —
12	DCP Drum Filling Scrubber	11	Alkali Scrubber	VOC	—

23. PP shall use approved fuels only as fuel in boilers and D.G.Set.

24. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.

- Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.
- Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
- A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.

25. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.

26. For control of fugitive emission, VOCs, following steps shall be followed :

- a. Closed handling and charging system shall be provided for chemicals.
- b. Reflux condenser shall be provided over Reactors / Vessels.
- c. Pumps shall be provided with mechanical seals to prevent leakages.
- d. Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.

27. Solvent management shall be carried out as follows:

- ✓ Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system
- ✓ Reactor shall be connected to adequate chilling system to condensate solvent vapors and reduce solvent losses.
- ✓ Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
- ✓ The condensers shall be provided with sufficient HTA and residence time so as to achieve maximum solvent recovery.
- ✓ Solvents shall be stored in a separate space specified with all safety measures.
- ✓ Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
- ✓ Solvent storage and handling area shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.

28. Regular monitoring of ground level concentration of PM₁₀, PM_{2.5}, SO₂, NO_x, and VOCs shall be carried out in the impact

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

A.4 SOLID / HAZARDOUS WASTE:

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

Sr. No	Name of Hazardous Waste	Category	Source of Waste Generation	Quantity in MT/Year Except for Batteries In Noe.				Hazardous Waste Disposal & Management Facility
				Existing As per EC	Existing As Per CCA	Proposed Change / Additional	Total After EC Expansion	
1.	ETP Waste	35.3	From ETP	4800	4800	3376	8176	Collection, Storage, Transportation and Disposal to TSDF/Co-processing.
2.	Distillation Residue	26.1	From Process	4200	4074.48	6045.52	10120	Collection, Storage, Transportation Disposal at CHWIF/Pre-processing/Co-processing.
3.	Gypsum	B2080	-	7200	7200	-7200	0	NA Discontinue
4.	Sulphur Sludge	B2040	From Process	84	84	488	572	Collection, Storage, Transportation, Disposal at TSDF/CHWIF/Co-processing.
5.	Discarded Containers/Bags	33.1	From Plant	Whatsoever Generated	Whatsoever Generated	100	100	Collection, Storage, Decontamination, Transportation, Disposal by sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/Containers to TSDF/CHWIF/Pre-processing/Co-processing.
6.	Used Oil	5.1	From Plant	6	6	24	30	Collection, Storage, Transportation, Disposal by selling to registered reprocessors.
7.	Insulation waste	S1	From Plant	Whatsoever Generated	Whatsoever Generated	40	40	Collection, Storage, Transportation, Disposal by at TSDF Site
8.	No recyclable plastic waste/PPE Waste/Bags/Cotton Waste	S4	From Plant	25	25	35	60	Collection, Storage, Decontamination, Transportation, Disposal by sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/Containers to TSDF/CHWIF/Pre-processing/Co-processing.
9.	Spent Carbon	36.2	From Process	60	60	60	120	Collection, Storage, Transportation, sent for co-processing/Pre-processing/TSDF/CHWIF
10.	Spent Catalyst	I-26.5	From Process	3.6	3.6	13.68	17.28	Collection, Storage, Transportation sent for regeneration and recycled back or Disposal to TSDF
11.	MEE/ DEE/ATFD Salt (Sodium Sulphate)	35.3	From Process	1260	1260	565	1825	Collection, Storage, Transportation & sold to authorized actual end users having Rule 9 permission or TSDF.

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

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

A.5 OTHER:

34. The project proponent shall carry out the activities of amount of Rs. 0.87 Crores (Funds for Environment & Renewable energy resources, Health & Hygiene) proposed under CER and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.
35. All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. ENPRO Enviro Tech and Engineers Pvt. Ltd. and submitted by the project proponent and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.

B. GENERAL CONDITIONS:

B.1 CONSTRUCTION PHASE:

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

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

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

B.2 OPERATION PHASE:

B.2.1 WATER:

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

B.2.2 AIR:

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

B.2.3 HAZARDOUS/SOLID WASTE:

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

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

B.2.4 SAFETY:

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

B.2.5 NOISE:

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

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

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

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

B.2.7 GREEN BELT AND OTHER PLANTATION:

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

B.3 OTHER CONDITION:

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

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

124. Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no. XX).
125. The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.
126. Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.
127. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.
128. Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.
129. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
130. All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.
131. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.
132. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
133. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
134. During material transfer there shall be no spillages and gully drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
135. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
136. Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.
137. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
138. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
139. The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.
140. The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.
141. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
142. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
143. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
144. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
145. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
146. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found

satisfactory.

147. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.
148. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
149. This environmental clearance is valid for Ten years from the date of issue.
150. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
151. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.

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


152. Project proponent shall submit Certified Compliance Report of IRO, Gandhinagar for Existing EC obtained Within 10 days.
153. Project proponent shall inform to all the concerned authorities including Municipal Corporation and District Collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.
154. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.
155. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.
156. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.
157. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the Environment Clearance accorded.
158. Any person including the project proponent affected by this Environment Clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.
159. All complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagi@gmail.com& (b) seacgujarat@gmail.com


(PRAKASH K. MAJMUDAR)
Member Secretary

Issued to:

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

Copy to:-

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

Signature Not Verified

Digitally signed by Shri Prakash K. Majmudar

Member Secretary