

Ref: AIL/DHJ/DIA/2024/ENV/018  
Date: 13.11.2024

PCB ID :- 58381

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

**Subject:** Half Yearly Environment Clearance conditions compliance report for the period of April-2024 to September -2024

**Reference:-**

1. Environment Clearance letter no SEIAA/GUJ/EC/5(f)/391/2018 dated 31/05/2018
2. Environment Clearance letter no SEIAA/GUJ/EC/5(f)/192/2023 dated 14/02/2023

Respected Sir,

With reference to the subject cited above, we are enclosing herewith the compliance report (monitoring period October 2023 to March 2024) as per condition number **108 & 143** as mentioned in environment clearance letter No. **SEIAA/GUJ/EC/5(f)/391/2018** dated 31/05/2018 & **Environment Clearance letter no SEIAA/GUJ/EC/5(f)/192/2023 dated 14/02/2023** respectively for our project 'Synthetic Organic Chemicals' by M/s. Aarti Industries Limited Plot No. Z/103/C, Dahej SEZ-II, Tal. Vagra, Dist. Bharuch, Gujarat.

The unit has obtained EC to CTE Amendment No.62296 dated 31/03/2023 for EC File No. SEIAA/GUJ/EC/5(f)/192/2023 dated 14/02/2023.

Thanking You

Yours faithfully,  
For Aarti Industries Limited



**Authorized Signatory**



**Encl:** EC Compliance with Annexures.

**COPY TO:**

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

**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/C, Dahej Sez II, Tal. Vagra, 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


**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, Apr-2024 to Sep-2024**

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>Apr 24</td><td colspan="2">453.88</td></tr><tr><td>May 24</td><td colspan="2">440</td></tr><tr><td>Jun 24</td><td colspan="2">700</td></tr><tr><td>Jul 24</td><td colspan="2">365</td></tr><tr><td>Aug 24</td><td colspan="2">782</td></tr><tr><td>Sep 24</td><td colspan="2">778</td></tr></tbody></table> <div>All products are under prescribed limits.</div>	Month	Production (MT)		2, 5 Dichloro Aniline		Apr 24	453.88		May 24	440		Jun 24	700		Jul 24	365		Aug 24	782		Sep 24	778		
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Sep 24	778																												
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>Apr 24</td><td colspan="2">24</td></tr><tr><td>May 24</td><td colspan="2">105.2</td></tr><tr><td>Jun 24</td><td colspan="2">98</td></tr><tr><td>Jul 24</td><td colspan="2">11.6</td></tr><tr><td>Aug 24</td><td colspan="2">77</td></tr><tr><td>Sep 24</td><td colspan="2">128</td></tr></tbody></table>	Month	Production (MT)		Apr 24	24		May 24	105.2		Jun 24	98		Jul 24	11.6		Aug 24	77		Sep 24	128				
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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>Apr 24</td><td>326.4</td><td>187</td></tr><tr><td>May 24</td><td>33</td><td>695</td></tr><tr><td>Jun 24</td><td>488</td><td>618</td></tr><tr><td>Jul 24</td><td>0</td><td>118</td></tr><tr><td>Aug 24</td><td>0</td><td>388</td></tr><tr><td>Sep 24</td><td>716</td><td>874</td></tr></tbody></table>	Month	Production (MT)			NSA	H2SO4	Apr 24	326.4	187	May 24	33	695	Jun 24	488	618	Jul 24	0	118	Aug 24	0	388	Sep 24	716	874
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2	98% Sulphuric Acid	7664-93-9	2350	Used in chemical industry for production of basic synthetic organic chemicals																									

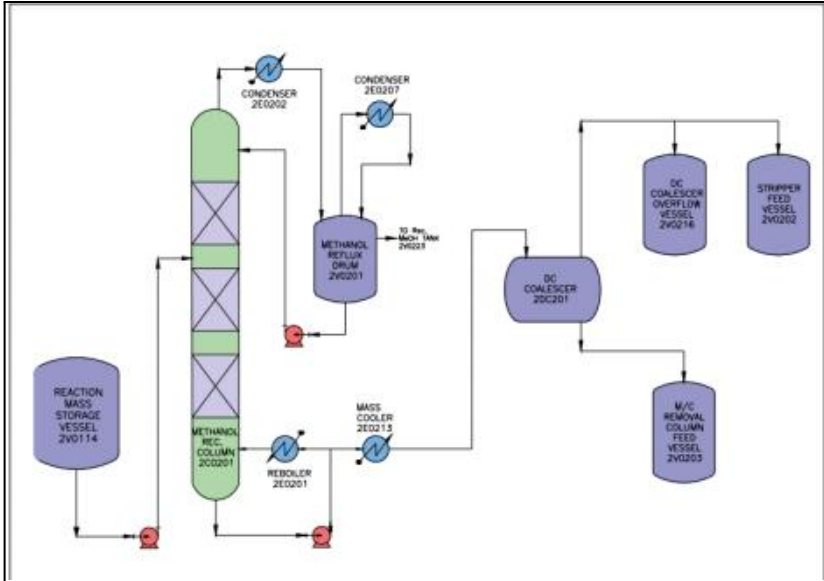
**M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch**

<b>Total of Organic and inorganic Chemicals</b>	<b>7135 MT/Month</b>		<b>Complied</b> Average production of <b>2858.98MT</b> /Month in the compliance period (Apr 2024 to Sep 2024)
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<b>Sr. No.</b>	<b>Points</b>	<b>Compliance</b>
<b>CONDITIONS</b>		
<b>A.1 SPECIFIC CONDITIONS</b>		
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 align="center">Photograph of MEE Plant</p>

		<div></div> <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> <table><tr><th>Recovered Methanol Details</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td>Consumption (MT/Month)</td><td>523.72</td><td>644.65</td><td>709.19</td><td>539.48</td><td>1021.9</td><td>705.26</td></tr><tr><td>Recovered (MT/Month)</td><td>521.08</td><td>643.67</td><td>708.32</td><td>538.4</td><td>1020.9</td><td>704.07</td></tr><tr><td>% Recovery</td><td>99.50</td><td>99.85</td><td>99.88</td><td>99.80</td><td>99.90</td><td>99.83</td></tr></table>	Recovered Methanol Details	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Consumption (MT/Month)	523.72	644.65	709.19	539.48	1021.9	705.26	Recovered (MT/Month)	521.08	643.67	708.32	538.4	1020.9	704.07	% Recovery	99.50	99.85	99.88	99.80	99.90	99.83
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% Recovery	99.50	99.85	99.88	99.80	99.90	99.83																								
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>																												



		 <p>Plant is operated under the DCS Control system.</p>
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 &amp; DCS System.</p> <p>Hydrogen Detector System, Methanol Detector System, SO<sub>2</sub> Detector System &amp; Xylene Detector system.</p> <p>Device list attached as an <a href="#">Annexure-1</a></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 &amp; Flow) and the same has been connected to GPCB &amp; CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission.</p>

[illegible]

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

		<table> <tr> <td><b>Apr 24</b></td><td>19.00</td><td>29.79</td></tr> <tr> <td><b>May 24</b></td><td>48.07</td><td>44.36</td></tr> <tr> <td><b>Jun 24</b></td><td>30.48</td><td>14.22</td></tr> <tr> <td><b>Jul 24</b></td><td>28.36</td><td>0.00</td></tr> <tr> <td><b>Aug 24</b></td><td>36.77</td><td>24.51</td></tr> <tr> <td><b>Sep 24</b></td><td>19.59</td><td>0.00</td></tr> <tr> <td><b>TOTAL</b></td><td>182.27</td><td>112.88</td></tr> </table>	<b>Apr 24</b>	19.00	29.79	<b>May 24</b>	48.07	44.36	<b>Jun 24</b>	30.48	14.22	<b>Jul 24</b>	28.36	0.00	<b>Aug 24</b>	36.77	24.51	<b>Sep 24</b>	19.59	0.00	<b>TOTAL</b>	182.27	112.88
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**A.2 WATER**

9	<p>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>	<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&amp;A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 &amp; AWH-123267 dated: 18/12/22. Water consumption is under the prescribed limit.</p> <p><b>WATER CONSUMPTION DETAILS</b></p> <table><tr><th>Particular</th><th>Unit</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td rowspan="2">Fresh Water Consumptions (1253 KLD)</td><td>Total KL/Month</td><td>11606</td><td>13898</td><td>13028</td><td>9845</td><td>10194</td><td>11324</td></tr><tr><td>Average KLD</td><td>386.9</td><td>448.3</td><td>434.3</td><td>317.6</td><td>328.8</td><td>377.5</td></tr></table> <p><b>Water consumption is under the prescribed limit.</b></p>	Particular	Unit	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Fresh Water Consumptions (1253 KLD)	Total KL/Month	11606	13898	13028	9845	10194	11324	Average KLD	386.9	448.3	434.3	317.6	328.8	377.5
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	Average KLD	386.9	448.3	434.3	317.6	328.8	377.5																		
10	<p>The industrial effluent generation from the project shall not exceed 265 KL/Day.</p>	<p>Complied</p> <p>The effluent generation of the Unit is not exceeding 262 KL/Day as per CC&amp;A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 &amp; AWH-123267 dated: 18/12/22.</p> <p><b>EFFLUENT GENERATION DETAILS</b></p> <table><tr><th>Particular</th><th>Unit</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td rowspan="2">Industrial Effluent Generation (262 KLD)</td><td>Total KL/Month</td><td>3492</td><td>3846.4</td><td>3899.7</td><td>3393</td><td>3065.2</td><td>3585.7</td></tr><tr><td>Average KLD</td><td>116.4</td><td>124.1</td><td>130.0</td><td>109.5</td><td>98.9</td><td>119.5</td></tr></table> <p><b>Waste Water generation is under Prescribed Limits</b></p>	Particular	Unit	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Industrial Effluent Generation (262 KLD)	Total KL/Month	3492	3846.4	3899.7	3393	3065.2	3585.7	Average KLD	116.4	124.1	130.0	109.5	98.9	119.5
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**M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch**


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.	<div>Complied.</div> <div>The average daily generation of industrial effluent for the monitoring period is <b>128.06</b> m3/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.</div> <div>Details of wastewater Generation (combined for process and utility)</div> <table><tr><th>Particular</th><th>Unit</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td rowspan="2">Industrial Effluent to ETP (225 KLD)</td><td>Total KL/Month</td><td>3492</td><td>3846.4</td><td>3899.7</td><td>3393</td><td>3065.2</td><td>3585.7</td></tr><tr><td>Average KLD</td><td>116.4</td><td>124.1</td><td>130.0</td><td>109.5</td><td>98.9</td><td>119.5</td></tr></table> <div>Wastewater generation is within the prescribed limits</div>	Particular	Unit	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Industrial Effluent to ETP (225 KLD)	Total KL/Month	3492	3846.4	3899.7	3393	3065.2	3585.7	Average KLD	116.4	124.1	130.0	109.5	98.9	119.5
Particular	Unit	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24																		
Industrial Effluent to ETP (225 KLD)	Total KL/Month	3492	3846.4	3899.7	3393	3065.2	3585.7																		
	Average KLD	116.4	124.1	130.0	109.5	98.9	119.5																		
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.	<div>Complied</div> <div>Unit is ensuring discharge treated effluent after conforming to GPCB norms in the underground pipeline of GIDC.</div> <div>GIDC Discharge Details</div> <table><tr><th>Particular</th><th>Final Discharge</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td rowspan="2">Final Discharge to GIDC Pipeline (262 KL/day)</td><td>Total KL/Month</td><td>3552</td><td>4191</td><td>4228</td><td>3809</td><td>3407</td><td>3643</td></tr><tr><td>Average KLD</td><td>118.4</td><td>135.2</td><td>140.9</td><td>122.9</td><td>109.9</td><td>121.4</td></tr></table> <div>All the discharge parameters are under prescribed limits</div>	Particular	Final Discharge	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Final Discharge to GIDC Pipeline (262 KL/day)	Total KL/Month	3552	4191	4228	3809	3407	3643	Average KLD	118.4	135.2	140.9	122.9	109.9	121.4
Particular	Final Discharge	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24																		
Final Discharge to GIDC Pipeline (262 KL/day)	Total KL/Month	3552	4191	4228	3809	3407	3643																		
	Average KLD	118.4	135.2	140.9	122.9	109.9	121.4																		
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.	<div>Complied</div> <div>Domestic wastewater is treated in STP. Treated water used for gardening/cooling tower purposes.</div> <div>Domestic Waste Water Generation</div> <table><tr><th>Particular</th><th>Unit</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td rowspan="2">Domestic WasteWater (47 KLD)</td><td>Total KL/Month</td><td>562.5</td><td>565.75</td><td>547.5</td><td>589</td><td>589</td><td>339</td></tr><tr><td>Average KLD</td><td>18.75</td><td>18.25</td><td>18.25</td><td>19.00</td><td>19.00</td><td>11</td></tr></table> <div>All Domestic waste water generation is under prescribed limits.</div>	Particular	Unit	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Domestic WasteWater (47 KLD)	Total KL/Month	562.5	565.75	547.5	589	589	339	Average KLD	18.75	18.25	18.25	19.00	19.00	11
Particular	Unit	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24																		
Domestic WasteWater (47 KLD)	Total KL/Month	562.5	565.75	547.5	589	589	339																		
	Average KLD	18.75	18.25	18.25	19.00	19.00	11																		
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.	<div>Complied</div> <div>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.</div>																							
15	Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.	<div>Complied</div> <div>Unit has an adequate buffer with two water storage tanks each of 300 kl capacity for holding the treated wastewater during the rainy days.</div>																							
16	Unit shall provide an online monitoring system on the final discharge line for measuring	<div>Complied</div>																							

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

	quantity & quality of waste water as per the guidelines of regulatory authority.	Unit has provided an online monitoring system on the final discharge line for measuring quantity & quality of waste water as per the guidelines. The parameters are measured continuously in the Online System (COD, BOD, TSS, pH & Flow) and the same has been connected to the GPCB & CPCB Server. Screenshot (Image) of continuous online data monitoring at CPCB server attached in Condition No. 6.																
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> 																
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> <p>Electricity consumption in ETP summary</p> <table border="1"><thead><tr><th colspan="2">Power Consumption ETP</th></tr><tr><th>Month</th><th>Total KWH</th></tr></thead><tbody><tr><td>Apr 24</td><td>86322</td></tr><tr><td>May 24</td><td>109653</td></tr><tr><td>Jun 24</td><td>102098</td></tr><tr><td>Jul 24</td><td>101839</td></tr><tr><td>Aug 24</td><td>92896</td></tr><tr><td>Sep 24</td><td>70996</td></tr></tbody></table>	Power Consumption ETP		Month	Total KWH	Apr 24	86322	May 24	109653	Jun 24	102098	Jul 24	101839	Aug 24	92896	Sep 24	70996
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Mont h	40% Cau stic Lye	PE	Urea	DAP	HYP O	Jag gery	Bact eria Cult ure	Lim e Pow der	HCl	PAC
Apr 24	6690	0.8	2	8	340.0	8	10	0	1010.0	160
May 24	5365	0.5	7	10	110.0	12	18	20	450.0	140
Jun 24	3394	1.4	6	8	120	18	16	55	535.0	100
Jul 24	3821	1.0	0	1	576.0	1	1	375	1937.0	55
Aug 24	555	1	7	6	325	16	14	41	939	800
Sep 24	1649	0.7	2	4	90	8	10	387	720	105

### 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 <sub>2</sub> gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with Sulphur Dioxide reaction and Sulphuric Acid plant to control SO <sub>2</sub> gaseous emission. Photograph of APCM 

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

22	Unit shall provide a two stage alkali scrubber as APCM with an NSA plant to control SO2 gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with an NSA plant to control SO2 gaseous emission. <a href="#">Annexure-5</a>
23	Unit shall provide two stage alkali scrubber as APCM with DCP plant to control NOx & VOC gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with a DCP plant to control NOx & VOC gaseous emission. <a href="#">Annexure-5</a>



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&amp;CC authorized party (Unistar Environment &amp; Research Labs Pvt. Ltd.) Report of VOC monitoring from scrubber is attached in <a href="#">Annexure-5</a></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
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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. Report of VOC monitoring from scrubber is attached in <a href="#">Annexure-5</a></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).	<div>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&amp;A Amendment No. AWH - 113931 Dated on 22/09/2021 valid upto 19/02/2025. Records of diesel consumption month-wise given as below:</div> <div>Diesel Consumption</div> <table><tr><th>Month</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><th>Limit</th><td colspan="6">1800 Lit/Hr</td></tr><tr><th>Total Diesel Consumption (Litre/Month)</th><td>4515.0</td><td>465.0</td><td>505.0</td><td>500.0</td><td>480.0</td><td>475.0</td></tr><tr><th>Diesel Consumption (Litre/Hr)</th><td>6.3</td><td>0.6</td><td>0.7</td><td>0.7</td><td>0.6</td><td>0.7</td></tr></table> <div>The total diesel consumption is under prescribed limit</div>	Month	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Limit	1800 Lit/Hr						Total Diesel Consumption (Litre/Month)	4515.0	465.0	505.0	500.0	480.0	475.0	Diesel Consumption (Litre/Hr)	6.3	0.6	0.7	0.7	0.6	0.7							
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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.	<div>Complied</div> <div>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.</div> <div>Report of workplace monitoring is attached in <a href="#">Annexure-6</a></div> <div>TVOC (PPM)</div> <table><tr><th>Month</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><th>Locations</th><td colspan="6">TWA Concentration (As given in Schedule-II as per factory act) - --</td></tr><tr><th>DCA Plant Ground Floor</th><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><th>DCA Plant 1st Floor</th><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><th>DCA Plant 2nd Floor</th><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></tr></table>	Month	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Locations	TWA Concentration (As given in Schedule-II as per factory act) - --						DCA Plant Ground Floor	BDL	BDL	BDL	BDL	BDL	BDL	DCA Plant 1st Floor	BDL	BDL	BDL	BDL	BDL	BDL	DCA Plant 2nd Floor	BDL	BDL	BDL	BDL	BDL	BDL
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DCA Plant 2nd Floor	BDL	BDL	BDL	BDL	BDL	BDL																															
28	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 &	<div>Complied</div> <div>Unit has followed below guidelines to reduce the fugitive emissions in the work zone.</div> <div>Internal roads have been concreted. Photograph has been attached as below:</div>																																			

Health).Following indicative guidelines shall also be followed to reduce the fugitive emission.

Internal roads shall be either concrete or asphalted or paved properly to reduce the fugitive emission during vehicular movement.

Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.

A green belt shall be developed all round the plant boundary and also the roads to mitigate fugitive & transport dust emission.



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:



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

Photographs of Green belt area attached as below:



		<p>Fugitive Emission Monitoring is carried out by an approved NABL / GPCB/MOEF&amp;CC authorized party (Unistar Environment &amp; Research Labs Pvt. Ltd.) Report of Dust monitoring is attached in <a href="#">Annexure-6</a> and</p> <table><tr><th colspan="7">Dust Monitoring (mg/m3)</th></tr><tr><th>Month</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><th>Location</th><td colspan="6">Behind ETP Area with Handy Sampler</td></tr><tr><th>Limit</th><td colspan="6">TWA Concentration (As given in Schedule-II as per factory act) - 10 mg/m3 (Average)</td></tr><tr><th>Air Borne Contamination (Total Dust)</th><td>0.16</td><td>0.15</td><td>0.122</td><td>0.115</td><td>0.124</td><td>0.088</td></tr></table> <p>All the Dust monitoring parameters are under prescribed limit</p>	Dust Monitoring (mg/m3)							Month	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Location	Behind ETP Area with Handy Sampler						Limit	TWA Concentration (As given in Schedule-II as per factory act) - 10 mg/m3 (Average)						Air Borne Contamination (Total Dust)	0.16	0.15	0.122	0.115	0.124	0.088
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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&amp;CC authorized party (Unistar Environment &amp; Research Labs Pvt. Ltd.). Report of Work Zone area monitoring is attached in <a href="#">Annexure-6</a></p> <p>The detail table of APCM is provided in Point No.27</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> <div></div>																																			

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

31	Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosure.	Complied Unit has provided an enclosure system for air borne dust at all transfer operations.																																																																																																							
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.	<div>Complied The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&amp;CC authorised party (Unistar Environment &amp; Research Labs Pvt. Ltd.). Report of Ambient air quality monitoring is attached in <a href="#">Annexure-7</a> The table for the same is as below:</div> <table><tr><th colspan="8">AAQMS Monitoring</th></tr><tr><th>Location</th><th>Parameter</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td rowspan="4">Near Maingate</td><td>PM10 (100 µg/m3)</td><td>81.63</td><td>70.20</td><td>65.33</td><td>78.30</td><td>82.38</td><td>71.63</td></tr><tr><td>PM2.5 (60 µg/m3)</td><td>31.00</td><td>22.50</td><td>21.17</td><td>31.00</td><td>30.50</td><td>25.88</td></tr><tr><td>SO2 (80 µg/m3)</td><td>19.68</td><td>17.40</td><td>15.25</td><td>20.56</td><td>22.48</td><td>19.18</td></tr><tr><td>NO2 (80 µg/m3)</td><td>24.98</td><td>22.50</td><td>21.27</td><td>24.34</td><td>26.59</td><td>25.21</td></tr><tr><td rowspan="4">Near ETP</td><td>PM10 (100 µg/m3)</td><td>80.13</td><td>70.20</td><td>65.33</td><td>76.20</td><td>76.13</td><td>75.00</td></tr><tr><td>PM2.5 (60 µg/m3)</td><td>28.50</td><td>23.40</td><td>20.67</td><td>30.70</td><td>26.75</td><td>29.13</td></tr><tr><td>SO2 (80 µg/m3)</td><td>20.83</td><td>18.41</td><td>16.27</td><td>19.51</td><td>21.83</td><td>22.16</td></tr><tr><td>NO2 (80 µg/m3)</td><td>25.60</td><td>22.72</td><td>20.85</td><td>24.44</td><td>26.33</td><td>27.29</td></tr><tr><td rowspan="4">Near DCS PCC Control Room</td><td>PM10 (100 µg/m3)</td><td>79.00</td><td>74.20</td><td>61.00</td><td>78.50</td><td>75.25</td><td>70.50</td></tr><tr><td>PM2.5 (60 µg/m3)</td><td>27.88</td><td>24.80</td><td>19.83</td><td>29.40</td><td>27.25</td><td>27.00</td></tr><tr><td>SO2 (80 µg/m3)</td><td>19.98</td><td>16.97</td><td>15.75</td><td>19.41</td><td>22.11</td><td>20.80</td></tr><tr><td>NO2 (80 µg/m3)</td><td>25.89</td><td>21.79</td><td>20.53</td><td>24.69</td><td>26.11</td><td>24.60</td></tr></table> <div>The AAQM parameters are under prescribed limit</div>	AAQMS Monitoring								Location	Parameter	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Near Maingate	PM10 (100 µg/m3)	81.63	70.20	65.33	78.30	82.38	71.63	PM2.5 (60 µg/m3)	31.00	22.50	21.17	31.00	30.50	25.88	SO2 (80 µg/m3)	19.68	17.40	15.25	20.56	22.48	19.18	NO2 (80 µg/m3)	24.98	22.50	21.27	24.34	26.59	25.21	Near ETP	PM10 (100 µg/m3)	80.13	70.20	65.33	76.20	76.13	75.00	PM2.5 (60 µg/m3)	28.50	23.40	20.67	30.70	26.75	29.13	SO2 (80 µg/m3)	20.83	18.41	16.27	19.51	21.83	22.16	NO2 (80 µg/m3)	25.60	22.72	20.85	24.44	26.33	27.29	Near DCS PCC Control Room	PM10 (100 µg/m3)	79.00	74.20	61.00	78.50	75.25	70.50	PM2.5 (60 µg/m3)	27.88	24.80	19.83	29.40	27.25	27.00	SO2 (80 µg/m3)	19.98	16.97	15.75	19.41	22.11	20.80	NO2 (80 µg/m3)	25.89	21.79	20.53	24.69	26.11	24.60
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**M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch**


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.	Complied Unit has provided scrubber systems to reduce process vapors and monitored in plant DCS control systems. All processes are taken in a close loop to control process vapour emissions. Unit has ensured to take all necessary measures to reduce the process vapor emission. VOC Monitoring data are given in Point no. 27																															
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. 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.	Complied Unit has followed below guidelines to reduce the fugitive emissions in the work zone.  Internal roads have been concreted. Photograph of the same is given in Point No. 28  Water sprinklers have been provided at suitable locations in the plant. Photograph of the same is given in Point No. 28  Green belt has been developed in and around the plant boundary and roads to mitigate fugitive & transport dust emission.  Photograph of the same is given in Point No. 28 Table of Dust Monitoring is given in point no. 28																															
A.4 SOLID/HAZARDOUS WASTE																																	
35	ETP Sludge shall be disposed off at the active common TSDF.	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 <a href="#">Annexure-3</a>  Annual Generation & Disposal Quantity of Landfill Waste (ETP Sludge & Mee Salt) is as Follows: <table border="1"><thead><tr><th>Waste</th><th>Month</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr></thead><tbody><tr><td></td><td>Limit</td><td colspan="6">4800 MT/ Year</td></tr><tr><td rowspan="2">ETP Waste (35.3) (MT)</td><td>Generation</td><td>13.4</td><td>17.72</td><td>15.68</td><td>15.56</td><td>29.520</td><td>17.440</td></tr><tr><td>Disposal</td><td>13.37</td><td>16.59</td><td>0</td><td>0</td><td>12.48</td><td>0</td></tr></tbody></table> ETP Waste generation under Prescribed limit.  The unit has disposed of all ETP Sludge & MEE salt to Common TSDF site (Beil, Dahej) during the Compliance Period.	Waste	Month	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24		Limit	4800 MT/ Year						ETP Waste (35.3) (MT)	Generation	13.4	17.72	15.68	15.56	29.520	17.440	Disposal	13.37	16.59	0	0	12.48	0
Waste	Month	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24																										
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ETP Waste (35.3) (MT)	Generation	13.4	17.72	15.68	15.56	29.520	17.440																										
	Disposal	13.37	16.59	0	0	12.48	0																										
36	Discarded containers/ drums/ bags/ contaminated HDPE / LDPE bags shall be disposed by selling to authorized recyclers.	Complied Unit will discard containers/drums/ bags/contaminated HDPE/ LDPE bags by selling to authorized recyclers. Name of recycler : BEIL, Dahej.																															

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

		<table><tr><th rowspan="2">Waste</th><th>Month</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><th>Limit</th><th colspan="6">4800 MT/ Year</th></tr><tr><td rowspan="2">Discard containers/ drums/ bags/ contaminated HDPE / LDPE bags (33.1) (MT)</td><td>Generation</td><td>0.10</td><td>0.77</td><td>0.00</td><td>0.00</td><td>0.73</td><td>0.00</td></tr><tr><td>Disposal</td><td>0.00</td><td>0.88</td><td>0.00</td><td>0.00</td><td>0.84</td><td>0.00</td></tr></table> <p>All Waste generation is under the Prescribed limit.</p>	Waste	Month	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Limit	4800 MT/ Year						Discard containers/ drums/ bags/ contaminated HDPE / LDPE bags (33.1) (MT)	Generation	0.10	0.77	0.00	0.00	0.73	0.00	Disposal	0.00	0.88	0.00	0.00	0.84	0.00	
Waste	Month	Apr 24		May 24	Jun 24	Jul 24	Aug 24	Sep 24																									
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Discard containers/ drums/ bags/ contaminated HDPE / LDPE bags (33.1) (MT)	Generation	0.10	0.77	0.00	0.00	0.73	0.00																										
	Disposal	0.00	0.88	0.00	0.00	0.84	0.00																										
37	Used oil shall be sold only to the registered re-processor or use for lubrication within premises.	<p>Complied.</p> <p>During the Compliance period April-24 to September-24, used oil was sent to the authorized registered recyclers. Details are as follows:</p> <table><tr><th>Waste</th><th>month</th><th>Apr,24</th><th>May,24</th><th>Jun,24</th><th>Jul,24</th><th>Aug,24</th><th>Sep,24</th></tr><tr><td></td><th>Limit</th><th colspan="6">6 KL/Annum</th></tr><tr><td rowspan="2">Used Oil Generation(5.1) (KL)</td><td>Generation</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.20</td><td>0.10</td><td>0.00</td></tr><tr><td>Disposal</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td></tr></table> <p>Used Oil Generation under prescribed limit</p>	Waste	month	Apr,24	May,24	Jun,24	Jul,24	Aug,24	Sep,24		Limit	6 KL/Annum						Used Oil Generation(5.1) (KL)	Generation	0.00	0.00	0.00	0.20	0.10	0.00	Disposal	0.00	0.00	0.00	0.00	0.00	0.00
Waste	month	Apr,24	May,24	Jun,24	Jul,24	Aug,24	Sep,24																										
	Limit	6 KL/Annum																															
Used Oil Generation(5.1) (KL)	Generation	0.00	0.00	0.00	0.20	0.10	0.00																										
	Disposal	0.00	0.00	0.00	0.00	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.	<p>Complied</p> <p>unit has not generated the Spent Carbon till the date.</p>																															
39	Management of spent solvent shall be as per the specific condition mentioned above.	<p>Complied</p> <p>It is managed as required, data of solvent recovery is given in Point No. 3.</p>																															
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.	<p>Complied</p> <p>Unit strictly adheres to the commitments made to the SEAC. <a href="#">Annexure-8</a></p>																															
B. GENERAL CONDITIONS																																	
B.1 CONSTRUCTION PHASE																																	



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


41	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Complied 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.
42	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Complied Unit is practicing Covering trucks and water sprinkling to eliminate dusting. During the current monitoring phase, project based construction was not in place.
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 Unit has converted to operation phase from construction phase and obtained -Factory Licence No. 41555 , dated: 1st February, 2020. Attached as <a href="#">Annexure-9</a>
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 report has been attached as <a href="#">Annexure-10</a> 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	Complied


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


	with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Unit was not using DG sets in construction phase- unit will ensure the compliance of emission standards during usage of DG sets. Monthly monitoring reports for flue gas emission are attached in <a href="#">Annexure-11</a>
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.	Complied All the excavated soil was used for landscape developing and back filling within the premises and our sister concerns units.
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.	Complied Unit was using RMC and Lead free paint in the project.
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 Unit has used PPC cement.

**B.2 OPERATION PHASE**


**B.2.1 WATER**

53	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Complied. Unit has installed water meters and maintains the record on a daily and monthly basis. 
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		<b>Water Consumption data is given in point No. 9</b>
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 &amp; MEE. The unit will reuse permeate/condensate generated from RO, DEE &amp; MEE in the cooling tower.</p> <p>Photographs are given in Point No 2.</p>
<b>B.2.2 AIR</b>		
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>  <p>Report of Noise monitoring is attached in <a href="#">Annexure-10</a> The Noise monitoring detail has been provided in Point No. 87.</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>Report of flue gas emission monitoring is attached in <a href="#">Annexure-11</a> &amp; process gas emission monitoring of APCM scrubbers are attached in <a href="#">Annexure-12</a></p>



		
58	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied All reactors and vessels are in a closed loop. VOC monitoring report of the workplace area is attached in <a href="#">Annexure-6</a> . The same has been detailed in Point No. 29.
<b>B.2.3 HAZARDOUS/SOLID WASTE</b>		
59	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.	Complied Unit has received fresh CC&A order No. AWH-108072, Date of Issue 10/09/2020, Valid upto 19/02/2025. CC&A Amendment No. AWH - 113931 Dated on 22/09/2021, AWH - 113932 Dated: 08/10/2021 & AWH-123267 Dated: 18/12/2022 for product mix.. If required in future we will do amendments from time to time. Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/ Labelling-Form 8/ TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc.


**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</p> <p>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</p> <p>Unit has received membership from BEIL &amp; SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in <a href="#">Annexure- 3</a></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</p> <p>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</p> <p>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</p> <p>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</p> <p>Fly ash is not being generated from the unit.</p>
<b>B.2.4 SAFETY</b>		
66	The occupier/ manager shall strictly comply with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.	<p>Complied</p> <p>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</p> <p>The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989.</p> <p>PESO Certificate attached in <a href="#">Annexure-13</a></p> <p>On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and same has been attached in <a href="#">Annexure-14</a></p>
68	<p>Main entry and exit shall be separate and clearly marked in the facility.</p>	<p>Complied</p> <p>Main entry &amp; Exit were separated and have been constructed marked clearly.</p> <p>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</p> <p>Sufficient peripheral open passage is provided in the margin area for free movement of fire tender/ emergency vehicle around the premises.</p>
70	<p>Storage of flammable chemicals shall be sufficiently away from the production area.</p>	<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>Unit has provided <b>307</b> numbers of fire extinguishers near the plant and storage area. The fire extinguishers are installed in all the process plants such as DCA, DCP, SAC-CR Plant, NSASO2 Plant as well as in ETP, OHC, Admin, Canteen etc. It is installed on every floor in the premises.</p> <p><a href="#">Annexure-15</a></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 <a href="#">Annexure-14</a></p> <p>The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. <a href="#">Annexure-16</a></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>Unit has also developed OHC with all medical facility with factory medical officer and staff. The Unit have tie up with Sunshine Global Hospital, Healing Multispeciality Hospital and Baroda Heart Hospital for immediate medical attention in the case of emergency at the Bharuch District.</p> <p>The same has been attached in <a href="#">Annexure-17</a></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> 

82	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	<div>Complied</div> <div>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.</div> <table><tr><th>SR No.</th><th colspan="3">Safety and Health aspects training to employees</th></tr><tr><td></td><td>Total Employees</td><td colspan="2">Safety Induction</td></tr><tr><td>1</td><td>293</td><td colspan="2">185</td></tr><tr><td colspan="2">Month of Medical surveillance</td><td>Total no. of Employees</td><td>Total no. of Contract Employees</td></tr><tr><td>1</td><td>Apr24 to Sep24</td><td>125</td><td>55</td></tr></table>	SR No.	Safety and Health aspects training to employees				Total Employees	Safety Induction		1	293	185		Month of Medical surveillance		Total no. of Employees	Total no. of Contract Employees	1	Apr24 to Sep24	125	55
SR No.	Safety and Health aspects training to employees																					
	Total Employees	Safety Induction																				
1	293	185																				
Month of Medical surveillance		Total no. of Employees	Total no. of Contract Employees																			
1	Apr24 to Sep24	125	55																			
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.	<div>Complied</div> <div>Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act.</div> <div>Following check up has been carried out in periodical medical checkup.</div> <div><div>- General checkup (height, weight, pulse, BP etc)</div><div>- Blood test ( RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc)</div><div>- Urine test (physical, chemical and microbial examination etc)</div><div>- Vision test</div><div>- Pulmonary function test</div><div>- Audiometry</div><div>- ECG</div><div>- met Hb for specific workers</div></div> <div>Details of health surveillance of the employees and contract workers are given below:</div> <table><tr><th>Month of surveillance</th><th>Total no. of Employees</th></tr><tr><td>Apr-24 to Sep24</td><td>180</td></tr></table> <div>Medical Examination Summary &amp; Sample Report have been attached in <a href="#">Annexure-18</a></div>	Month of surveillance	Total no. of Employees	Apr-24 to Sep24	180																
Month of surveillance	Total no. of Employees																					
Apr-24 to Sep24	180																					
84	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.	<div>Complied</div> <div>We ensure that the Transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act and Rules.</div>																				
85	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	<div>Complied</div> <div>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 <a href="#">Annexure-14</a></div> <div>The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. <a href="#">Annexure-16</a>.</div>																				

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86	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	<p>Complied</p> <p>Necessary permission has been taken from PESO. Certificate issued from PESO is attached as <a href="#">Annexure-13</a></p> <p>Unit has obtained Factory License No. 41555 , dated: 1st February, 2020. Attached as <a href="#">Annexure-9</a></p> <p>The letter submitted to DISH for onsite emergency plan &amp; safety report. The same has been attached in <a href="#">Annexure-14</a></p>
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**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-10](#)

**Details of Noise Monitoring**

Loca tion	GPCB Limit		Month											
			Apr 24		May 24		Jun 24		Jul 24		Aug 24		Sep 24	
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
	Noise Level dB (A)													
Near ETP area	75 dB (A) 70 dB (A)	68.5	55.3	70.2	53.2	72.3	54.2	70.5	55.2	68.6	54.2	68.9	53.1	
Near D.G. Set		70.6	52.1	72.1	55.4	70.3	59.5	69.2	58.1	67.3	56.3	70.2	52.4	
Near Main Gate		62.4	48.3	63.4	51.1	65.5	52.3	62.1	51.5	59.7	50.4	62.2	53.5	
Near DCA Plant		66.2	58.5	67.2	59.1	66.2	60.2	68.3	58.4	66.2	57.3	68.5	52.2	
Near Material Gate		61.5	49.2	63.1	50.2	65.4	53.1	62.5	51.2	60.8	50.5	62.4	51.3	
Note: N.D.- Not Detected, BDL - Below Detection Limit														
All the parameters under prescribed limit														

**B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION**

88	The unit shall undertake the Cleaner Production Assessment study through a reputed institute /organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	<p>Complied</p> <p>Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat Approved by AICTE, New Delhi &amp; Affiliated to GTU, Ahmedabad.</p> <p>Cleaner Production Assessment study report is attached as an <a href="#">Annexure-22</a></p>
89	The company shall undertake various waste minimization measures such as:	<p>Complied</p> <p>The Unit has implemented waste minimization measures as mentioned below but not limiting to:</p>


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	<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>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		

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


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</p> <p>The greenbelt has been developed and maintained by the unit regularly.</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> <p>photographs for the same attached as below:</p> 
91	<p>Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.</p>	<p>Complied</p> <p>Unit has provided a low-angle sprinkler system for the green belt development within the premises.</p> <p>Photographs for the same attached as below:</p> 

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


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.	<p>Complied</p> <p>The Unit ensures the rain water harvesting of the surface as well as rooftop runoff has been undertaken and the same water was used for the various activities of the project to conserve fresh water.</p>
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.	<p>Complied</p> <p>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.</p>
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.	<p>Complied</p> <p>Solar energy had been incorporated for illumination of common areas, lighting etc.</p> 
95	The area earmarked as green area shall be used only for plantation and shall not be alerted for any other purpose.	<p>Complied</p> <p>Unit has not constructed / used the green area for any other purposes.</p> <p>Total area of plot :- 54803.04 m<sup>2</sup></p> <p>Greenbelt within Plant Premises :- 10367.85 m<sup>2</sup> ,</p> <p>Greenbelt at common plot of Dahej SEZ II :- 2120.84 m<sup>2</sup></p> <p>Green Belt at Luvara Village:- 5700 m<sup>2</sup></p> <p>Total Green Belt :- 18188.69 m<sup>2</sup></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>



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

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"> <li>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.</li> <li>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 &amp; stormwater.</li> <li>3. For the transfer of effluent to ETP, dedicated pits with automated pumps are present to prevent overflow.</li> </ol> <p>photos of garland tank, dyke wall, dedicated pits with automated pumps</p> 



		
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. Photographs of the same are Given in Point no. 7.</p>
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 <a href="#">Annexure-24</a>.</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 &amp; Control of Pollution) Act, 1974, Air (Prevention &amp; 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>

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"> <thead> <tr> <th>Name of Associated NGO</th><th>Nature of Work</th><th>Amount (Rs)</th></tr> </thead> <tbody> <tr> <td>Jan Seva &amp; Charitable Trust</td><td>Grocerry, Uniform, Notebboks Cost &amp; Salary for Computer teacher for Tribal Girls Hostel</td><td>515,000</td></tr> <tr> <td>Samarth Engineering &amp; Construction</td><td>Garden Development @ Luwara Village</td><td>1,200,000</td></tr> <tr> <td>Samarth Engineering &amp; Construction</td><td>Garden Development @ Luwara Village</td><td>30,000</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project for the Month of March'24</td><td>250,000</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project for the Month of April'24</td><td>250,000</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project for the Month of June'24</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>Gram Vikas Trust</td><td>Donation for Aarti Play group school at village Dahej &amp; Mira nagar Ankleshwar</td><td>465,710</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>250,000</td></tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs)	Jan Seva & Charitable Trust	Grocerry, Uniform, Notebboks Cost & Salary for Computer teacher for Tribal Girls Hostel	515,000	Samarth Engineering & Construction	Garden Development @ Luwara Village	1,200,000	Samarth Engineering & Construction	Garden Development @ Luwara Village	30,000	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of March'24	250,000	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of April'24	250,000	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of June'24	250,000	Gram Vikas Trust	Donation for Vidya Sarthi Project	250,000	Gram Vikas Trust	Donation for Aarti Play group school at village Dahej & Mira nagar Ankleshwar	465,710	Gram Vikas Trust	Donation for Vidya Sarthi Project	250,000
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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	<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. The same has been attached in <a href="#">Annexure-16</a>.</p>																														

	and Risk Assessment study report as well as proposed by project proponent.	
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 forwarded to the concerned Regional Office of the Ministry.	<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> <div data-bbox="760 659 1474 1085" data-label="Image"> </div> <div data-bbox="760 1155 1474 1799" data-label="Image"> </div>

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

108	It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.	Complied Last half yearly compliance report for the period of October 2023 to March 2024 submitted on the date of 10/06/2024
109	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
110	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied Unit will strictly adhere to the stipulations made by the Gujarat Pollution Control Board.
111	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
112	The company in a time bound manner shall implement these conditions. The SIEAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted.
113	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied Unit has received fresh CC&A order No AWH-108072, dated-10/09/2020, Valid upto 19/02/2025 and further amendment was done with AWH-113931 dated on 22/09/2021 & AWH-113932 dated on 08/10/2021 and then latest CCA - AWH - 135512 dated 09.09.2024.
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.

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**Compliance report of Environmental Clearance File No. SEIAA/GUJ/EC/5(f)/192/2023 Dated. 14/02/2023, Apr-24 to Sep-24**

Sr. No .	Product Name	CAS No.	Quantity in MT/Annum				End Use of Product	Status															
			As per Existing EC	As per CCA Amendment No. AWH-11393 1 & AWH-11393 2	Proposed Change/Additional	Total After Expansion																	
A	Organic Chemicals																						
I	Hydrogenation Products & their Derivatives (43200 MT/Annum)																						
1	2, 5 Dichloro Aniline (2,5 DCA) And/Or	95-82-9	21780	21780	21420	43200	Dyes, Dye Intermediates , Basic Pharma intermediates , Pigments, Polymer	<div>Complied</div> <table><tr><th rowspan="2">Month</th><th>Production (MT)</th></tr><tr><th>2, 5 Dichloro Aniline</th></tr><tr><td>Apr-24</td><td>453.88</td></tr><tr><td>May-24</td><td>440</td></tr><tr><td>Jun-24</td><td>700</td></tr><tr><td>Jul-24</td><td>365</td></tr><tr><td>Aug-24</td><td>782</td></tr><tr><td>Sep-24</td><td>778</td></tr></table> <div>All products are under prescribed limits.</div>	Month	Production (MT)	2, 5 Dichloro Aniline	Apr-24	453.88	May-24	440	Jun-24	700	Jul-24	365	Aug-24	782	Sep-24	778
Month	Production (MT)																						
	2, 5 Dichloro Aniline																						
Apr-24	453.88																						
May-24	440																						
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Sep-24	778																						
2	2. 5 Dichloro Aniline (Crude) (2,5 DCA) And/Or	95-82-9	0																				
3	3,4 Di Chloro Aniline (3,4 DCA) And/Or	95-76-1																					
4	3,4 Dichloro Aniline (Crude) (3,4 DCA) And/Or	95-76-1																					
5	3,5 Dichloro Aniline (3,5 DCA)	626-43-7																					

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

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

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

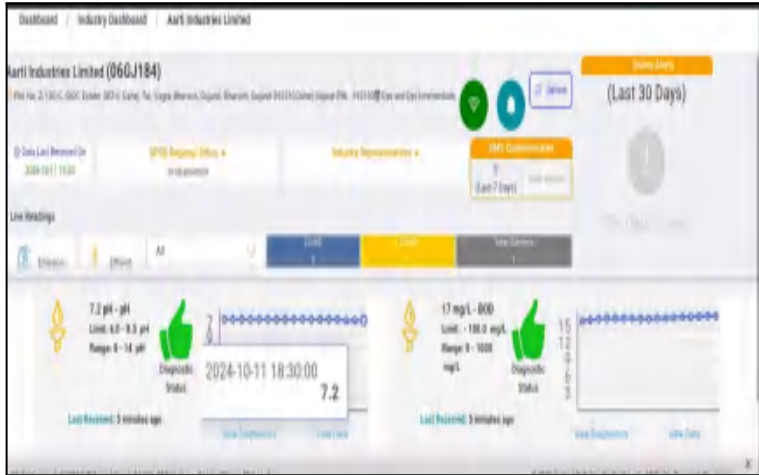
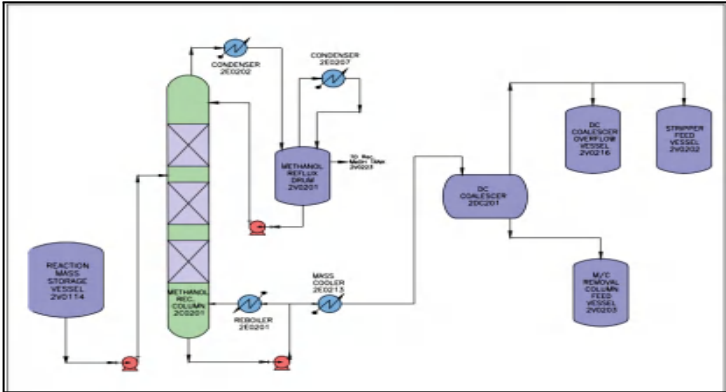
12	Mixture of Di Chloro Aniline And/Or	Multiple 554-00-7 & 95-82-9 & 608-31-1																					
13	2,4 Di Chloro Aniline (2,4 DCA)(Crude)/2,6 Di Chloro Aniline (Crude)(2,6 DCA) And/Or	554-00-7/608-31-1																					
14	3-Chloro Ortho Toludine (3-COT) And/Or	87-60-5																					
15	3-Chloro Ortho Toludine (Crude) (3-Cot)	87-60-5																					
0	43200																						
II Diazotization Products & their derivatives (22380) MT/Annum)																							
1	2,5 Di Chloro Phenol (2,5 DCP) And/Or	583-78-8	18000	15600	4380	19980	Di Chloro Phenols are used as intermediates in the manufacture of more complex chemical compounds. It will be used as a raw material for chemical intermediates.	<div>Complied<table><tr><th rowspan="2">Month</th><th>Production (MT)</th></tr><tr><th>2, 5 Dichloro Phenol</th></tr><tr><td>Apr-24</td><td>24</td></tr><tr><td>May-24</td><td>105.2</td></tr><tr><td>Jun-24</td><td>98</td></tr><tr><td>Jul-24</td><td>11.6</td></tr><tr><td>Aug-24</td><td>77</td></tr><tr><td>Sep-24</td><td>128</td></tr></table></div> <div>All products are under prescribed limits.</div>	Month	Production (MT)	2, 5 Dichloro Phenol	Apr-24	24	May-24	105.2	Jun-24	98	Jul-24	11.6	Aug-24	77	Sep-24	128
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Jun-24	98																						
Jul-24	11.6																						
Aug-24	77																						
Sep-24	128																						
2	2,3 Di Chloro Phenol (2,3 DCP) And/Or	576-24-9	0																				

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

3	Crude of 2,5/2,3	583-78-8/ 576-24-9	0	0	19980			Dyes, Dyes intermediates, Basic Pharma, Intermediates, Pigments, Polymers																							
4	3,5 Dichloro Nitro benzene (3,5 DCNB) and/Or	618-62-2	0	2400	0	2400																									
5	Crude 3,5 Dichloro Nitro benzene (3,5 DCNB) and/Or	618-62-2	0	0	2400																										
A	Total of Organic Chemicals (A)		39870	39780	25800	65580																									
Inorganic Chemicals																															
1	Nitrosyl Sulphuric Acid	7782-78-7	17640	70620	13380	84000	Used in organic chemistry to prepare diazonium salts from amines	<div>Complied</div> <table><tr><th rowspan="2">Month</th><th colspan="2">Production (MT)</th></tr><tr><th>NSA</th><th>H2SO4</th></tr><tr><td>Apr-24</td><td>326.4</td><td>187</td></tr><tr><td>May-24</td><td>33</td><td>695</td></tr><tr><td>Jun-24</td><td>488</td><td>618</td></tr><tr><td>Jul-24</td><td>0</td><td>118</td></tr><tr><td>Aug-24</td><td>0</td><td>388</td></tr><tr><td>Sep-24</td><td>716</td><td>874</td></tr></table>	Month	Production (MT)		NSA	H2SO4	Apr-24	326.4	187	May-24	33	695	Jun-24	488	618	Jul-24	0	118	Aug-24	0	388	Sep-24	716	874
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Aug-24	0	388																													
Sep-24	716	874																													
2	Sulphuric Acid (above 90% Concentration)	7664-93-9	28200	31320	56592	87912	Used in chemical industry for production of basic synthetic organic chemicals	All products are under prescribed limits.																							
B	Total of Inorganic Chemicals (B)		45840	101940	69972	171912																									
A+B	Total of Organic and inorganic Chemicals		85620	141720	95772	237492		Complied Average production of 2858.98MT/Month in the compliance period (Apr 2024 to Sep 2024)																							






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Sr. No.	Points	Compliance
<b>A. CONDITIONS:</b>		
<b>A.1 SPECIFIC CONDITIONS</b>		
1	Unit shall install CEMS [Continuous Emission Monitoring System] in line to CPCB directions to all SPCB vide letter no B29016/04/06PCI-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].	<p>Compiled</p> <p>Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH &amp; Flow) and the same has been connected to GPCB &amp; CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission.</p>  <p>The screenshot displays the CEMS dashboard for Aarti Industries Limited. It shows real-time monitoring data for pH and COD. The pH reading is 7.2, and the COD reading is 17 mg/L. The dashboard includes various status indicators and a timeline for the last 30 days.</p>
2	Close loop solvent recovery system with an adequate condenser system shall be provided to recover solvent vapors in such a manner that recovery shall be maximum and recovered solvent shall be reused in the process within premises.	<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 follows:</p>  <p>The PFD illustrates the solvent recovery process. It starts with a Reaction Mass Storage Vessel (ZV0114) feeding into a Methanol Recovery Column (ZV0201). The column is equipped with a Condenser (ZV0207) and a Reboiler (ZV0202). The recovered solvent is then sent to a Methanol Recovery Vessel (ZV0203) and a Methanol Recovery Vessel (ZV0204). The system also includes a Methanol Recovery Vessel (ZV0205) and a Methanol Recovery Vessel (ZV0206).</p>

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3	Leak detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR Logbooks shall be maintained.	<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 &amp; DCS System.</p> <p>Hydrogen Detector System, Methanol Detector System, SO2 Detector System &amp; Xylene Detector system.</p> <p><a href="#">ANNEXURE-1</a></p>
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.	<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&amp;CC authorized party (Unistar Environment &amp; Research Labs Pvt. Ltd.) .</p> <p>Report of Ambient air quality monitoring is attached in <a href="#">ANNEXURE-II</a></p>
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.	<p>Complied</p> <p>The unit is carrying out Process Stack Monitoring by an approved NABL / GPCB/MOEF&amp;CC authorized party (Unistar Environment &amp; Research Labs Pvt. Ltd.) .</p> <p>Report of Process Emission are attached <a href="#">ANNEXURE-III</a></p>
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.	<p>Complied</p> <p>Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH &amp; Flow) and the same has been connected to GPCB &amp; CPCB Server.</p>
7	All measures shall be taken to avoid soil and groundwater contamination within premises.	<p>Complied</p> <p>Unit has taken all necessary precautions and monitored the soil from time to time to eliminate soil &amp; water contamination, all process areas are provided with proper flooring and catchment pit so that spills, if any, gets collected, transferred and properly treated in inhouse treatment systems. RCC flooring is provided for prevention of Soil contamination. Soil Monitoring Report attached as <a href="#">ANNEXURE-IX</a></p> <p>Photographs for same are attached below:</p> 

8	<p><b>Safety &amp; Health:</b></p> <table><tr><td><b>A.</b></td><td>PP shall obtain Peso Permission for the storage and Handling of hazardous chemicals.</td></tr><tr><td><b>B.</b></td><td>PP shall provide Occupational Health Centre (OHC) as per the provision under the Gujarat Factories Rule 68-U.</td></tr><tr><td><b>C.</b></td><td>PP shall obtain fire safety certificate/Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules/Gujarat Fire Prevention and Life Safety Measures Act, 2106.</td></tr><tr><td><b>D.</b></td><td>Unit shall adopt functional operations /process automation system including emergency response to eliminate risk associated with the hazardous processes.</td></tr><tr><td><b>E.</b></td><td>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.</td></tr><tr><td><b>F.</b></td><td>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.</td></tr><tr><td><b>G.</b></td><td>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.</td></tr><tr><td><b>H.</b></td><td>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.</td></tr><tr><td><b>I.</b></td><td>Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.</td></tr><tr><td><b>J.</b></td><td>Unit shall provide effective isolation for process area and storage of hazardous chemicals..</td></tr><tr><td><b>K.</b></td><td>Unit shall provide water sprinkler to the ammonia storage cylinder.</td></tr></table>	<b>A.</b>	PP shall obtain Peso Permission for the storage and Handling of hazardous chemicals.	<b>B.</b>	PP shall provide Occupational Health Centre (OHC) as per the provision under the Gujarat Factories Rule 68-U.	<b>C.</b>	PP shall obtain fire safety certificate/Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules/Gujarat Fire Prevention and Life Safety Measures Act, 2106.	<b>D.</b>	Unit shall adopt functional operations /process automation system including emergency response to eliminate risk associated with the hazardous processes.	<b>E.</b>	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.	<b>F.</b>	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.	<b>G.</b>	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.	<b>H.</b>	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.	<b>I.</b>	Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.	<b>J.</b>	Unit shall provide effective isolation for process area and storage of hazardous chemicals..	<b>K.</b>	Unit shall provide water sprinkler to the ammonia storage cylinder.	<table><tr><td><b>A.</b></td><td>Complied The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989. 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**M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II, Dahej, Dist. Bharuch**

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A.2 WATER																									
9	Total water requirement for the project shall not exceed 2433 KL. Unit shall reuse 438 KLD of treated industrial Effluent within premises. Hence, fresh water requirement shall not exceed 1995 KLD and it shall be met through GIDC water supply only. Prior permission from the concerned authority for withdrawal of water shall be obtained.	<div>Complied Total Water Requirement is not exceeding 2433 KL/Day and fresh water requirement is not exceeding 1995 KL/Day and Recycle water is 438 KL/Day. Water consumption is under the prescribed limit.</div> <div>WATER CONSUMPTION DETAILS</div> <table><tr><th>Particular</th><th>Unit</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td rowspan="2">Fresh Water Consumptions (1253 KLD)</td><td>Total KL/Month</td><td>11606</td><td>13898</td><td>13028</td><td>9845</td><td>10194</td><td>11324</td></tr><tr><td>Average KLD</td><td>386.9</td><td>448.3</td><td>434.3</td><td>317.6</td><td>328.8</td><td>377.5</td></tr></table> <div>Water consumption is under the prescribed limit.</div>	Particular	Unit	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Fresh Water Consumptions (1253 KLD)	Total KL/Month	11606	13898	13028	9845	10194	11324	Average KLD	386.9	448.3	434.3	317.6	328.8	377.5
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10	The industrial effluent generation from the project shall not exceed 359 KLD after expansion.	<div>Complied The effluent generation of the Unit is not exceeding 359 KL/Day. Waste Water generation and discharge is under the prescribed limit.</div> <div>EFFLUENT GENERATION DETAILS</div> <table><tr><th>Particular</th><th>Unit</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td rowspan="2">Industrial Effluent Generation (262 KLD)</td><td>Total KL/Month</td><td>3492</td><td>3846.4</td><td>3899.7</td><td>3393</td><td>3065.2</td><td>3585.7</td></tr><tr><td>Average KLD</td><td>116.4</td><td>124.1</td><td>130</td><td>109.5</td><td>98.9</td><td>119.5</td></tr></table>	Particular	Unit	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Industrial Effluent Generation (262 KLD)	Total KL/Month	3492	3846.4	3899.7	3393	3065.2	3585.7	Average KLD	116.4	124.1	130	109.5	98.9	119.5
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**M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II, Dahej, Dist. Bharuch**

11	<p>Management of Industrial effluent shall be as under after expansion:</p> <ul style="list-style-type: none"><li>➤ 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 &amp; ETP-2) and shall be taken into tertiary ETP.</li><li>➤ 193 KLD effluent (164 KLD from cooling Blow down and 29 KLD from Boiler Blow down) shall be treated into inhouse ETP plant (ETP- and RO plant. RO reject (104 KLD) and shall be treated in tertiary treatment.</li><li>➤ <b>Thus total 359 KLD treated effluent shall be discharge into CETP-Dahej after complying with the inlet norms of CETP prescribed by GPCB and ultimately disposal into the sea through GIDC drainage pipeline.</b></li></ul>	<p>Complied</p> <p>Details of effluent generation is as under:</p> <table><tr><th colspan="8">EFFLUENT GENERATION DETAILS</th></tr><tr><th>Particular</th><th>Unit</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td rowspan="4">Industrial Effluent Generation</td><td>Process Effluent (KLD)</td><td>693.8</td><td>1042.4</td><td>978.7</td><td>683.0</td><td>746.2</td><td>952.7</td></tr><tr><td>Average KLD</td><td>23.1</td><td>33.6</td><td>32.6</td><td>22.0</td><td>24.1</td><td>31.8</td></tr><tr><td>Utility Blowdown (KLD)</td><td>2798.0</td><td>2804.0</td><td>2921.0</td><td>2710.0</td><td>2319.0</td><td>2633.0</td></tr><tr><td>Average KLD</td><td>93.3</td><td>90.5</td><td>97.4</td><td>87.4</td><td>74.8</td><td>87.8</td></tr></table>	EFFLUENT GENERATION DETAILS								Particular	Unit	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Industrial Effluent Generation	Process Effluent (KLD)	693.8	1042.4	978.7	683.0	746.2	952.7	Average KLD	23.1	33.6	32.6	22.0	24.1	31.8	Utility Blowdown (KLD)	2798.0	2804.0	2921.0	2710.0	2319.0	2633.0	Average KLD	93.3	90.5	97.4	87.4	74.8	87.8
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12	<p>Domestic wastewater generation shall not exceed 57 Kl/Day for proposed project and it shall be treated in STP. It shall not be disposed off into a soak pit. Treated Sewage shall be utilized for gardening and plantation purpose within the premises after achieving on-land discharge norms prescribed by the GPCB.</p>	<p>Complied</p> <p>Domestic wastewater is treated in STP. Treated water used for gardening/cooling tower purposes.</p> <table><tr><th colspan="8">Domestic Waste Water Generation</th></tr><tr><th>Particular</th><th>Unit</th><th>Apr 24</th><th>May 24</th><th>Jun 24</th><th>Jul 24</th><th>Aug 24</th><th>Sep 24</th></tr><tr><td rowspan="2">Domestic WasteWater (57 KLD)</td><td>Total KL/Month</td><td>562.5</td><td>565.75</td><td>547.5</td><td>589</td><td>589</td><td>339</td></tr><tr><td>Average KLD</td><td>18.75</td><td>18.25</td><td>18.25</td><td>19.00</td><td>19.00</td><td>11</td></tr></table>	Domestic Waste Water Generation								Particular	Unit	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Domestic WasteWater (57 KLD)	Total KL/Month	562.5	565.75	547.5	589	589	339	Average KLD	18.75	18.25	18.25	19.00	19.00	11														
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13	<p>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>	<p>Complied</p> <p>The treated STP water is being used for green belt and gardening development.</p>																																													
14	<p>Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.</p>	<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>																																													
15	<p>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.</p>	<p>Complied</p> <p>Unit has the permission for the deep sea discharge through the GIDC pipeline. Before discharge, ensuring the norms as prescribed by the GPCB.</p>																																													
16	<p>The PP shall ensure to dispose off waste water to the common facilities having valid CTO of GPCB.</p>	<p><b>Noted</b></p> <p>Currently the unit has the permission for the deep sea discharge through the GIDC common pipeline.</p>																																													
17	<p>Treated wastewater shall be sent to CETP-Dahej only after complying with the inlet norms of common facilities</p>	<p>Noted</p> <p>Unit has the permission for the deep sea discharge through the GIDC common pipeline.</p>																																													

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

	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.	<div>Complied</div> <div>Unit has provided a metering system and maintained the same in the logbook.</div> <div></div>																																						
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.	<div>Complied</div> <div>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.</div> <div>Electricity consumption in ETP summary</div> <table><tr><th colspan="2">Power Consumption ETP</th></tr><tr><th>Month</th><th>Total KWH</th></tr><tr><td>Apr-24</td><td>86322</td></tr><tr><td>May-24</td><td>109653</td></tr><tr><td>Jun-24</td><td>102098</td></tr><tr><td>Jul-24</td><td>101839</td></tr><tr><td>Aug-24</td><td>92896</td></tr><tr><td>Sep-24</td><td>70996</td></tr></table> <div><table><tr><th>Month</th><th>40% Caustic Lye</th><th>PE</th><th>Urea</th><th>DAP</th><th>HYP O</th><th>Jag gery</th><th>Bact eria Culture</th><th>Lim e Powder</th><th>HCl</th><th>PAC</th></tr><tr><td>Apr 24</td><td>6690</td><td>0.8</td><td>2</td><td>8</td><td>340.0</td><td>8</td><td>10</td><td>0</td><td>1010.0</td><td>160</td></tr></table></div>	Power Consumption ETP		Month	Total KWH	Apr-24	86322	May-24	109653	Jun-24	102098	Jul-24	101839	Aug-24	92896	Sep-24	70996	Month	40% Caustic Lye	PE	Urea	DAP	HYP O	Jag gery	Bact eria Culture	Lim e Powder	HCl	PAC	Apr 24	6690	0.8	2	8	340.0	8	10	0	1010.0	160
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May 24	536 5	0.5	7	10	110. 0	12	18	20	450. 0	140
Jun 24	339 4	1.4	6	8	120	18	16	55	535. 0	100
Jul 24	382 1	1.0	0	1	576. 0	1	1	375	193 7.0	55
Aug 24	555	1	7	6	325	16	14	41	939	800
Sep 24	164 9	0.7	2	4	90	8	10	387	720	105

### A.3 AIR

[illegible]



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

		TPH)			r (Lime Dosing along with coal) + ESP	
	<b>Total after Proposed Expansion</b>					
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-1), SEZ-II , Dahej (ID: 41201) and after expansion 70 TPH steam shall be taken from sister concern unit M/s. Aarti Industries Limited (Unit-1), Sez-II, dahej (ID: 41201)					
21	Unit shall provide Adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.					Complied. Unit has provided adequate stack height around 33 meter DG stack for flue gas emission. Monthly monitoring reports for flue gas emission are attached in <a href="#">ANNEXURE-VI</a>
22	Unit shall provide Adequate APCM with Process gas generation sources as mentioned below.					Complied Unit has an adequate scrubber as APCM with the process gas generation sources. Monthly Monitoring are carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of monitoring from scrubber is attached in <a href="#">ANNEXURE-III</a> All parameters well within the limit.
	Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control	Parameter	Permissible limit

			Measu re (APC M)		
Existing As per CCA-AWH-113931					
1	Scrub ber Conne cted to Sulph ur Dioxi de reacti on and Sulph uric Acid Plant	30	Alkali Scrub ber	SO2 Acid mist/S ulphur trioxid e (for plant Capac ity per 100% Conce ntratio n of Sulph uric acid (<300 Tone /Day)	1250 mg/N m3 (2kg/ MT of 100% Conc. acid produ ction)  70 mg/N m3
2	Scrub ber Conne cted to NSA	11	Alkali Scrub ber	SO2	40 Mg/N m3
3	Scrub ber Conne cted to DCP	11	Alkali Scrub ber	NOx	25 Mg/N m3
4	Scruu bber Conne cted to tanks	11	Alkali Scrub ber	VOC	–
5	Scrub ber Conne cted to tanks	11	Alkali Scrub ber	VOC	–
6	Com mon alkali	11	Alkali Scrub ber	SO2	40 mg/N m3

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	scrubber for SO <sub>2</sub> tank Farm				
7	DCA plant vacuum storage pump	11	Water Scrubber	VOC	–
8	HNO <sub>3</sub> tank	11	3 stage lime scrubber	NO <sub>x</sub>	25 Mg/N m <sup>3</sup>
9	Liq SO <sub>3</sub> and 25% oleum tank	11	Acid Scrubber	SO <sub>2</sub>	40 mg/N m <sup>3</sup>
10	Sulphuric Acid Concentration plan (SAC)	11	Alkali Soray scrubber	SO <sub>2</sub> VOC	40mg/ Nm <sup>3</sup> –
11	DCP plant: DCA Sulphate Vent	11	Venturi water scrubber	SO <sub>2</sub> VOC	40 mg/N m <sup>3</sup> –
<b>Proposed Total after Expansion</b>					
1	Scrubber Connected to Sulphur dioxide reaction and	30 (Common stack)	Alkali Scrubber	SO <sub>2</sub> Acid mist/Sulphur trioxide (for plant Capacity per 100%	1250 mg/N m <sup>3</sup> (2kg/ MT of 100% Conc. acid production)

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	Sulhur ic Acid plant			Conce ntratio n of Sulph uric acid (<300 Tone /Day)	70 mg/N m3
2	Scrub ber Conne cred to NSA		Alkali Scrub ber	SO2	40 Mg/N m3
3	Scrub ber Conne cted to DCP	11	Alkali Scrub ber	NOx	25 Mg/N m3
4	Scrub ber Conne cted to tanks	11	Alkali Scrub ber	VOC	–
5	Scrub ber Conne cted to tanks	11	Alkali Scrub ber	VOC	–
6	Com mon alkali Scrub ber for SO2 Tank Farm	11	Alkali Scrub ber	SO2	40 mg/N m3
7	DCA plant vacuu m pump storag e tank	11	Water Scrub ber	VOC	–
8	HNO3 Tank	11	3 Stage	NOx	25 Mg/N


	<table><tr><td></td><td>Farm</td><td></td><td>Alkali scrubber</td><td></td><td>m3</td></tr><tr><td>9</td><td>Liq SO3 and 25% oleum tank</td><td>11</td><td>Acid Scrubber</td><td>SO2</td><td>40 mg/Nm3</td></tr><tr><td>10</td><td>Sulphuric Acid Concentration plant (SAC)</td><td>11</td><td>Alkali Spray Scrubber</td><td>SO2 VOC</td><td>40mg/Nm3 –</td></tr><tr><td>11</td><td>DCP Plant: DCA sulphate vent</td><td>11</td><td>Ventury Water Scrubber</td><td>SO2 VOC</td><td>40 mg/Nm3 –</td></tr><tr><td>12</td><td>DCP Drum filling Scrubber</td><td>11</td><td>Alkali Scrubber</td><td>VOC</td><td>–</td></tr></table>		Farm		Alkali scrubber		m3	9	Liq SO3 and 25% oleum tank	11	Acid Scrubber	SO2	40 mg/Nm3	10	Sulphuric Acid Concentration plant (SAC)	11	Alkali Spray Scrubber	SO2 VOC	40mg/Nm3 –	11	DCP Plant: DCA sulphate vent	11	Ventury Water Scrubber	SO2 VOC	40 mg/Nm3 –	12	DCP Drum filling Scrubber	11	Alkali Scrubber	VOC	–	
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12	DCP Drum filling Scrubber	11	Alkali Scrubber	VOC	–																											
23	Unit shall use approved fuels only as fuel in boilers and DG set.	Complied Unit has used approved fuels only in DG sets..																														
24	<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 industry Safety &amp; Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.</p> <ul style="list-style-type: none"><li>➤ Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.</li><li>➤ Air Borne dust shall be Controlled with water sprinklers at suitable location in the plant.</li><li>➤ A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive &amp; transport dust emission.</li></ul>	<p>Complied Unit has followed below guidelines to reduce the fugitive emissions in the work zone.</p> <ul style="list-style-type: none"><li>➤ Internal roads have been concreted. Photograph of the same is given in Point No. 7</li><li>➤ Water sprinklers have been provided at suitable locations in the plant.</li></ul>																														



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



		 <ul style="list-style-type: none"> <li>➤ Green belt has been developed in and around the plant boundary and roads to mitigate fugitive &amp; transport dust emission.</li> </ul> 
25	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&amp;CC authorized party (Unistar Environment &amp; Research Labs Pvt. Ltd.). Report of Work Zone area monitoring is attached in <a href="#">ANNEXURE-VII</a></p>
26	<p>For control of Fugitive emission,VOCs, following steps shall be followed:</p> <ul style="list-style-type: none"> <li>➤ Closed Handling and charging system shall be provided for chemicals.</li> <li>➤ Reflux condenser shall be provided over Reactors /Vessels.</li> <li>➤ Pumps shall be provided with mechanical seals to prevent leakages.</li> <li>➤ Air Borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.</li> </ul>	<p>Complied</p> <ul style="list-style-type: none"> <li>➤ Closed handling and charging systems have been provided for chemicals.</li> <li>➤ Reflux condenser has been provided over Reactors / Vessels.</li> <li>➤ Pumps have been provided with mechanical seals to prevent leakages.</li> <li>➤ The plant is operated by a DCS system.</li> <li>➤ Unit has provided an enclosure system for air borne dust at all transfer operations.</li> </ul>

		
26	<p>Solvent Management shall be carried out as follows:</p> <ul style="list-style-type: none"> <li>➤ Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvent shall be minimum. All venting equipment shall have vapour recovery system.</li> <li>➤ Reactor shall be connected to adequate chilling system to condensate solvent vapor and reduce solvent losses.</li> <li>➤ Reactor and solvent handling pump shall have mechanical seals to prevent leakages.</li> <li>➤ The Condensers shall be provided with sufficient HTA and residence time so as to achieve maximum solvent recovery.</li> <li>➤ Solvents shall be stored in a separate space specified with all safety measures.</li> <li>➤ Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.</li> <li>➤ Solvent storage and handling area shall be flame proof the solvent storage tanks shall be provided with breather valve to prevent losses.</li> </ul>	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ Unit has the proper solvent recovery system and to avoid the emission process running in a closed loop system.</li> <li>➤ Reactors connected with the chilling system to condensate the solvent vapor and reduce the vapor losses.</li> <li>➤ Pumps have been provided with mechanical seals to prevent leakages.</li> <li>➤ The condenser has the proper adequate HTA area with residence time to achieve Maximum Solvent Recovery System.</li> <li>➤ Unit has provided a dedicated storage space area for the Solvent Storage tank.</li> <li>➤ Unit has provided the proper earthing with all electrical equipment wherever solvent handling is done.</li> </ul>  <ul style="list-style-type: none"> <li>➤ All the solvent storage area has been flame proof with the breather Valve to prevent losses.</li> </ul>
28	<p>Regular Monitoring of Ground level concentration of PM10, PM2.5, SO2, NOx, and VOCs shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards</p>	<p><b>Complied</b></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&amp;CC authorized party</p>



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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.

(Unistar Environment & Research Labs Pvt. Ltd.) . Report of Ambient air quality monitoring is attached in [ANNEXURE-VIII](#)  
The table for the same is as below:

AAQMS Monitoring							
Locati on	Param eter	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24
Near Mainga te	PM10 (100 µg/m3)	81.6 3	70.2 0	65.3 3	78.3 0	82.3 8	71.6 3
	PM2.5 (60 µg/m3)	31.0 0	22.5 0	21.1 7	31.0 0	30.5 0	25.8 8
	SO2 (80 µg/m3)	19.6 8	17.4 0	15.2 5	20.5 6	22.4 8	19.1 8
	NO2 (80 µg/m3)	24.9 8	22.5 0	21.2 7	24.3 4	26.5 9	25.2 1
Near ETP	PM10 (100 µg/m3)	80.1 3	70.2 0	65.3 3	76.2 0	76.1 3	75.0 0
	PM2.5 (60 µg/m3)	28.5 0	23.4 0	20.6 7	30.7 0	26.7 5	29.1 3
	SO2 (80 µg/m3)	20.8 3	18.4 1	16.2 7	19.5 1	21.8 3	22.1 6
	NO2 (80 µg/m3)	25.6 0	22.7 2	20.8 5	24.4 4	26.3 3	27.2 9
Near DCS PCC Contro l Room	PM10 (100 µg/m3)	79.0 0	74.2 0	61.0 0	78.5 0	75.2 5	70.5 0
	PM2.5 (60 µg/m3)	27.8 8	24.8 0	19.8 3	29.4 0	27.2 5	27.0 0
	SO2 (80 µg/m3)	19.9 8	16.9 7	15.7 5	19.4 1	22.1 1	20.8 0
	NO2 (80 µg/m3)	25.8 9	21.7 9	20.5 3	24.6 9	26.1 1	24.6 0

**A.4 SOLID/HAZARDOUS WASTE:**

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29

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

Sr. No	Name of Hazardous Waste	category	Source of Waste Generation	Quantity in MT/year Except for Batteries in Nos.				Hazardous Waste Disposal & Management Facility
				Existing as per EC	Existing as per CCA	Proposed Change/Additional	Total After EC Expansion	
1	ETP Waste	35.3	From ETP	4800	4800	3376	8176	Collection, Storage, Transportation and Disposal to TSD F/Co-processing.
2	Distillation residue	26.1	From Processes	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 Processes	84	84	488	572	Collection, Storage, Transportation Disposal at

Complied

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

Waste	Limit (MT)	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24
		Disposal					
Distillation Residue	10120	7.7	52	9.4	41.9	8.9	0
ETP Waste	8176	13.4	16.6	0	0	12.5	0
Gypsum	0	0	0	0	0	0	0
Sulphur Sludge	572	0	0	0	0	0	0
Used Oil	30	0	0	0	0	0	0
Insulation Waste	40	0	1.7	1.7	0	0	0
No Recyclable plastic waste/PP E/Bags/Cotton Waste	60	0	2.9	2.6	0	4.2	0
Discarded Containers/Bags	100	0	0.9	0	0	0.8	0
NRP waste & PPEs, Cotton Waste	60	0	0	0	0	0	0
Spent Carbon	120	0	0	0	0	0	0
Spent Catalyst	17.3	0	1	0	0	0	0
MEE Salt	1825	16.4	26	12.5	0	12	0

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								TSD F/CH WIF/ Co-pr ocess ing.
5	Discar ded Contai ners/B ags	33.1	From Plant	Whats oever Gener ated	Whats oever Gener ated	100	100	Colle ction, Stora ge, Deco ntami natio n, Tra nspor tation , Dispo sal by Sold to autho rize recyc lers or Colle ction, Stora ge, Trans portat ion, Dispo sal of Conta minat ed Bags/ Conta iners to TSD F/CH WIF/ Pre-p roces sing/ Co-pr ocess ing.
6	Used Oil	5.1	From plant	6	6	24	30	Colle ction, Stora ge, Trans

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								portat ion, Dispo sal by sellin g to regist ered repro cesso rs.
7	Insulat ion Waste	S1	From Plant	Whats oever Gener ated	Whats oever Gener ated	40	40	Colle ction, Stora ge, Trans portat ion,D ispos al by TSD F Site.
8	No Recycl able plastic waste/ PPE/B ags/Co tton Waste	S4	From Plant	25	25	35	60	Colle ction, Stora ge, Deco ntami natio n,Tra nspor tation , Dispo sal by Sold to autho rize recyc lers  or Colle ction, Stora ge, Trans portat ion, Dispo sal of Conta minat ed Bags/

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								Containers to TSD F/CH WIF/ Pre-processing/ Co-processing.
9	Spent Carbon	36.2	From Processes	60	60	60	120	Collection, Storage, Transportation Send to TSD F/CH WIF/ Co-processing/ Pre-Processing.
10	Spent Catalyst	1-26.5	From Processes	3.6	3.6	13.68	17.28	Collection, Storage, Transportation Sent for regeneration and recycled back OR disposal to TSD F
11	MEE/ DEE/ ATFD Salt (sodium Sulphate)	35.3	From Processes	1260	1260	565	1825	Collection, Storage, Transportation & Sold

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								to autho rized actual end users havin g rule -9 permi ssion or TSD F	
13	Spent Sulph uric Acid	B-15 Sched ule-II	From Proces s	0	0	12745	12745	Colle ction, Stora ge, Trans portat ion & Sold to autho rized actual end users havin g rule -9 permi ssion or USE D intern ally as raw mater ial.	
14	Spent Resin	35.2	From Proces s	0	0	5	5	Colle ction, Stora ge, Trans portat ion, Sent for Co-pr ocess ing/P re- Proce ssing/ TSD	

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								F/CH WIF
15	RO Memb rane/ cartrid ge Filter	36.2	From RO Unit	0	5	5	10	Colle ction, Stora ge, Trans portat ion dispo sal by at TSD F
16	Filter Cloths	36.2	From Unit	0	5	5	10	Colle ction, Stora ge, Trans portat ion dispo sal by at TSD F/CH WIF.
17	Cotton Waste	33.2	From Unit	1	1	4	5	Colle ction, Stora ge, Trans portat ion, Dispo sal at TSD F/CH WIF
18	Glass Waste	S7	From Plant	2	2	3	5	Colle ction Stora ge, Trans portat ion, Dispo sal/ Sold to Scrap Proce ssors
19	PPE Waste	33.2	From Plant	0	0	40	40	Colle ction, Stora ge,



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	<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Transportation and disposal at Common TSD For CHWIF</td></tr></table>										Transportation and disposal at Common TSD For CHWIF	
									Transportation and disposal at Common TSD For 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) Rule 2016.	Complied  At Present unit is not sending any hazardous waste to the end users under rule 9.										
31	Unit Shall Explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes before sending to CHWIF & TSDF sites respectively.	Complied. Unit is exploring all the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes										
32	The project Proponent has to obtain membership of TSDF site & CHWIF before obtaining CTO of GPCB.	Complied Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in Point No. 66										
33	The unit shall submit the list of authorized end users of hazardous wastes along with MOU signed with them at least two months in advance prior to the commencement of production. In the absence of potential buyers of there items, the unit shall restrict the production of the respective items.	Noted. Unit has submitted the MOU with authorized end users of hazardous wastes.										
A. 5 OTHER:												
34	The project proponent shall carry out the activities of amount of Rs.0.87 Crores (funds for Environment & renewable energy resources, Health & Hygiene) Proposed under CER and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC’s OM no. F . NO. 22-65/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of the Half yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.	Complied The project proponent has complied with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time. The CER/CSR activities list have been below <table><tr><th>Name of Associated NGO</th><th>Nature of Work</th><th>Amount (Rs. in Lakhs)</th></tr><tr><td>Jan Seva &amp; Charitable Trust</td><td>Grocery, Uniform, Notebooks Cost &amp; Salary for Computer teacher for Tribal Girls Hostel</td><td>5.15</td></tr><tr><td>Samarth Engineering</td><td>Garden Development</td><td>12.0</td></tr></table>	Name of Associated NGO	Nature of Work	Amount (Rs. in Lakhs)	Jan Seva & Charitable Trust	Grocery, Uniform, Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel	5.15	Samarth Engineering	Garden Development	12.0	
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**M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II, Dahej, Dist. Bharuch**

		<table> <tr> <td>&amp; Construction</td><td>@ Luwara Village</td><td></td></tr> <tr> <td>Samarth Engineering &amp; Construction</td><td>Garden Development @ Luwara Village</td><td>0.30</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project for the Month of March'24</td><td>2.50</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project for the Month of April'24</td><td>2.50</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project for the Month of June'24</td><td>2.50</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>2.50</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Aarti Play group school at village Dahej &amp; Mira nagar Ankleshwar</td><td>4.65</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>2.50</td></tr> </table>	& Construction	@ Luwara Village		Samarth Engineering & Construction	Garden Development @ Luwara Village	0.30	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of March'24	2.50	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of April'24	2.50	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of June'24	2.50	Gram Vikas Trust	Donation for Vidya Sarthi Project	2.50	Gram Vikas Trust	Donation for Aarti Play group school at village Dahej & Mira nagar Ankleshwar	4.65	Gram Vikas Trust	Donation for Vidya Sarthi Project	2.50
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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.	<p>Complied</p> <p>All the recommendation and mitigation measures environmental protection measures and safeguards submitted in EIA report has implemented.</p>																								
<b>B. GENERAL CONDITIONS:</b> <b>B.1 CONSTRUCTION PHASE:</b>																										
36	Water Demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	<p>Complied</p> <p>Construction phase is over. Unit has converted EC to CCA. Unit is also obtained CCA- AWH - 135512 issued date 09/09/2024.</p>																								
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.	<p>Complied</p> <p>Unit is practicing Covering trucks and water sprinkling to eliminate dusting. During the current monitoring phase, project based construction was not in place</p>																								

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38	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.
39	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.
40	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Services) Act 1996 and Gujarat rules made there under their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	Complied Unit has converted to operation phase from construction phase and obtained Factory License No. 41555 , dated: 1st February, 2020. Attached as <a href="#">ANNEXURE-X</a>
41	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.	Complied 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 report has been attached as <a href="#">ANNEXURE-XI</a>
42	Use of Diesel Generator (DG) sets during the construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Complied Unit was not using DG sets in construction phase- unit will ensure the compliance of emission standards during usage of DG sets. Monthly monitoring reports for flue gas emission are attached in <a href="#">ANNEXURE-VI</a>
43	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.
44	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 and our sister concerns units.
45	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create an adverse effect on neighboring communities.	Complied All the excavated soil was used for landscape developing and back filling within the premises and our sister concerns units.
46	Project proponents shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	Complied Unit was using RMC and Lead free paint in the project.
47	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P.	Notes & Complied

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	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 upto 10 meters shall be provided. Individual building within the projects site shall also be provided with barricades.	Noted
49	“No uncovered vehicles carrying construction material and waste shall be permitted.	Complied All vehicles are going with the tarpaulin cover over it.
50	“No Loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform Piling and proper storage of sand to avoid fugitive emissions shall be ensured.”	Complied All the construction waste & demolition waste are covered with tarpaulin and proper sand piling done to avoid the dusting.
51	Roads leading to or at construction site must be paved and blacktopped (i.e. metallics roads).	Complied All the internal roads are constructed with the RCC concrete.
52	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	Noted All the Mitigation should be taken care of during the excavation activity.
53	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.	Noted
54	Grinding and cutting of building materials in open areas shall be prohibited.	Complied All the cutting & grinding activity of building materials are done in the shed area.
55	Construction materials and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.	Complied All the generated waste are stored in the earmarked area and it get utilized within the premises for the leveling purpose. Adequate mitigate measure are maintained at site.
56	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable).	Complied All the generated Construction and demolition waste are being utilized within the premises for the leveling purpose. Adequate mitigation measures are maintained at site.
<b>B.2 OPERATION PHASE</b>		
<b>B.2.1 WATER:</b>		
57	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Complied Unit has installed water meters and maintains the record on a daily and monthly basis.
58	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	Complied The unit had adopted Best Available Technology (BAT) to reduce, recycle and reuse the treated effluent. The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE. The


unit will reuse permeate/condensate generated from RO, DEE & MEE in the cooling tower. Photographs are as follows




#### B.2.2 AIR:

59	<p>In case of use of spray dryer, the unit shall provide the adequate &amp; efficient APCMs with spray dryer so that there should not be any adverse impact on human health &amp; environment. Unit shall carry out third party monitoring of the proposed Spray dryer &amp; its APCM through the credible institutes and study report for the impacts on Environment and Human Health shall be submitted to GPCB every year along with a half yearly compliance report.</p>	<p>Noted. As of now the unit has not installed any spray dryer system as it is not the process requirement.</p>
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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.	<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>  <p>Report of Noise monitoring is attached in <a href="#">ANNEXURE-XI</a></p>
61	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>
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.	<p>Complied</p> <p>Report of flue gas emission monitoring is attached in <a href="#">ANNEXURE-VI</a> &amp; process gas emission monitoring of APCM scrubbers are attached in <a href="#">ANNEXURE-III</a></p>


		
63	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied All reactors and vessels are in a closed loop. There is no any fugitive emission.
<b>B.2.3 HAZARDOUS/SOLID WASTE</b>		
64	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/ disposal of hazardous wastes.	Complied Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/Labeling-Form 8/ TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc. If required in future we will do amendments from time to time.

65	Hazardous waste shall be dried, packed and stored in a separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	<p>Complied</p> <p>Unit has provided a hazardous waste storage area with a pucca bottom and leachate collection facility.</p> 
66	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	<p>Complied</p> <p>Unit has received membership from BEIL &amp; SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in <a href="#">ANNEXURE-XIII</a></p>
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.	<p>Complied</p> <p>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>
68	The design of the Trucks/ tankers shall be such that there is no spillage during transportation.	<p>Complied</p> <p>Unit is ensuring to deploy trucks/Tankers suitable for hazardous waste so that there will not be any leakage / spillage during transportation.</p>
69	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	<p>Complied</p> <p>Unit is putting all efforts to pre-treat / process the hazardous waste before disposal to TSDF / CHWIF.</p>
70	Management of fly ash (If any) shall be as per the Fly Ash Notification 2009 & its amendment time to time and it shall be ensures that there is 100% utilization of fly ash to be generated from the unit.	<p>Complied</p> <p>Fly ash is not being generated from the unit since unit has not installed any boiler. Unit has permission to take steam from adjacent sister concern unit as per EC.</p>
<b>B.2.4 SAFETY</b>		
71	The occupier/ manager shall strictly comply with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.	<p>Complied</p> <p>The occupier has strictly complied with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.</p>





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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 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>Complied</p> <p>The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989.</p> <p>PESO Certificate attached in <a href="#">ANNEXURE-IV</a></p> <p>On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and same has been attached in <a href="#">ANNEXURE-XIV</a></p>
73	Main entry and exit shall be separate and clearly marked in the facility.	<p>Complied</p> <p>Main entry &amp; Exit were separated and have been constructed marked clearly.</p> <p>Photographs of Entry</p>  <p>Photograph of Exit</p> 
74	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	<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>

75	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> 
76	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	<p>Complied</p> <p>Unit has provided <b>307</b> numbers of fire extinguishers near the plant and storage area. The fire extinguishers are installed in all the process plants such as DCA, DCP, SAC-CR Plant, NSASO2 Plant as well as in ETP, OHC, Admin, Canteen etc. It is installed on every floor in the premises.</p> <p><a href="#">ANNEXURE-XV</a></p>
77	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>
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.	<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>
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.	<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 <a href="#">Annexure-XIV</a></p> <p>The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. <a href="#">Annexure-XVI</a></p>
80	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>
81	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/ containers instead of on single large capacity tank/ containers.	<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>

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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.	<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> 
83	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer to that minimal human exposure occurs.	Unit has taken all necessary measures to minimize the human exposure to hazardous chemicals by closed loop pumping / vacuum transfer.
84	Tie up shall be done with nearby health care unit/ doctor for seeking immediate medical attention in the case of emergency.	<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>Unit has also developed OHC with all medical facility with factory medical officer and staff. The Unit have tie up with Sunshine Global Hospital, Healing Multispeciality Hospital and Baroda Heart Hospital for immediate medical attention in the case of emergency at the Bharuch District.</p> <p>The same has been attached in <a href="#">Annexure-XVII</a></p>
85	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>

86	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	<div>Complied</div> <div>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.</div> <div></div>																				
87	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	<div>Complied</div> <div>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.</div> <table><tr><th>SR No.</th><th colspan="3">Safety and Health aspects training to employees</th></tr><tr><td></td><th>Total Employees</th><th colspan="2">Safety Induction</th></tr><tr><td>1</td><td>293</td><td colspan="2">185</td></tr><tr><th colspan="2">Month of Medical surveillance</th><th>Total no. of Employees</th><th>Total no. of Contract Employees</th></tr><tr><td>1</td><td>Apr24 to Sep24</td><td>125</td><td>55</td></tr></table>	SR No.	Safety and Health aspects training to employees				Total Employees	Safety Induction		1	293	185		Month of Medical surveillance		Total no. of Employees	Total no. of Contract Employees	1	Apr24 to Sep24	125	55
SR No.	Safety and Health aspects training to employees																					
	Total Employees	Safety Induction																				
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Month of Medical surveillance		Total no. of Employees	Total no. of Contract Employees																			
1	Apr24 to Sep24	125	55																			

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.	<p>Complied</p> <p>Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act. Following check up has been carried out in periodical medical checkup.</p> <ul style="list-style-type: none"><li>- General checkup (height, weight, pulse, BP etc)</li><li>- Blood test ( RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc)</li><li>- Urine test (physical, chemical and microbial examination etc)</li><li>- Vision test</li><li>- Pulmonary function test</li><li>- Audiometry</li><li>- ECG</li><li>- met Hb for specific workers</li></ul> <p>Details of health surveillance of the employees and contract workers are given below:</p> <table><tr><th>Month of surveillance</th><th>Total no. of Employees</th></tr><tr><td>Apr-24 to Sep24</td><td>180</td></tr></table> <p>Medical Examination Summary &amp; Sample Report have been attached in <a href="#">Annexure-XVIII</a></p>	Month of surveillance	Total no. of Employees	Apr-24 to Sep24	180
Month of surveillance	Total no. of Employees					
Apr-24 to Sep24	180					
89	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.	<p>Complied</p> <p>We ensure that the Transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act and Rules.</p>				
90	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	<p>Complied</p> <p>The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. <a href="#">ANNEXURE-XVI</a></p>				
91	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	<p>Complied</p> <p>Necessary permission has been taken from PESO. Certificate issued from PESO is attached as <a href="#">ANNEXURE-VI</a></p> <p>Unit has obtained Factory License No. 41555 , dated: 1st February, 2020. Attached as <a href="#">ANNEXURE-X</a></p> <p>The letter submitted to DISH for onsite emergency plan &amp; safety report. The same has been attached in <a href="#">ANNEXURE-XIV</a></p>				
<b>B.2.5 NOISE</b>						
92	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	<p>Complied</p> <p>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 <a href="#">ANNEXURE-XI</a></p> <p><b>Details of Noise Monitoring</b></p> <p><b>All the parameters under prescribed limit</b></p> <table><tr><th>Location</th><th>GPCB Limit</th><th>Month</th></tr></table>	Location	GPCB Limit	Month	
Location	GPCB Limit	Month				

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				Apr 24		May 24		Jun 24		Jul 24		Aug 24		Sep 24	
		Da y	Nig ht	Day	Nigh t	Day	Nigh t	Day	Nigh t	Day	Nigh t	Day	Nigh t	Day	Nigh t
				Noise Level dB (A)											
	Near ETP area	75 dB (A) 70 dB (A)	68.5	55.3	70.2	53.2	72.3	54.2	70.5	55.2	68.6	54.2	68.9	53.1	
	Near D.G. Set		70.6	52.1	72.1	55.4	70.3	59.5	69.2	58.1	67.3	56.3	70.2	52.4	
	Near Main Gate		62.4	48.3	63.4	51.1	65.5	52.3	62.1	51.5	59.7	50.4	62.2	53.5	
	Near DCA Plant		66.2	58.5	67.2	59.1	66.2	60.2	68.3	58.4	66.2	57.3	68.5	52.2	
	Near Material Gate		61.5	49.2	63.1	50.2	65.4	53.1	62.5	51.2	60.8	50.5	62.4	51.3	
Note: N.D.- Not Detected, BDL - Below Detection Limit															
All the parameters under prescribed limit															

**B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION**

93	The unit shall undertake the Cleaner Production Assessment study through a reputed institute /organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	Complied Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat Approved by AICTE, New Delhi & Affiliated to GTU, Ahmedabad. Cleaner Production Assessment study report is attached as an <a href="#">Annexure-XIX</a>
94	<p>The company shall undertake various waste minimization measures such as:</p> <ul style="list-style-type: none"> <li>Metering and control of quantities of active ingredient to minimize waste</li> <li>Reuse of by-products from the process as raw materials or as raw materials substitutes.</li> <li>Use of automated and close filling to minimize spillages.</li> <li>Use of a close feed system into batch reactors.</li> <li>Venting equipment through vapour recovery system.</li> <li>Use of high pressure hoses for clearing to reduce wastewater generation.</li> <li>Recycling of washes to subsequent batches.</li> </ul>	<p>Complied</p> <p>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>



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	<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>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>B.2.7 GREEN BELT AND OTHER PLANTATION</b>		
95	<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</p> <p>The greenbelt has been developed and maintained by the unit regularly.</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> <p>photographs for the same attached as below:</p> 
96	<p>Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.</p>	<p>Complied</p> <p>Unit has provided a low-angle sprinkler system for the green belt development within the premises.</p> <p>Photographs for the same attached as below:</p> 

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97	The PP shall develop green belt within premises((Green belt within premises: 10367.85 m2 (18.92%) + Boundary Side Greenbelt: 2120.84 m2 (3.86%), out side Green belt: (in luvara village located at 0.9km from the project site):5700 m2 (10.22%) i.e.Total: 18188.69m2 (33.18%) of the total plot area) as per the undertaking submitted before SEAC. Green belt shall be developed with the native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB.	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 per above.
<b>B.3 OTHER CONDITION</b>		
98.	Project Proponent shall provide mechanism/System for wastewater stream segregation at source and strictly follow up to treatment and final disposal of the same if applicable.	Complied Unit has done the proper segregation for the wastewater stream and strictly follow up the same
99.	The projects Covered under category 5(f) shall undergo the safety and environment audit regularly as per the standards laid down by the GPCB & CPCB.	Complied ne Unit had allotted the schedule-1 auditor as per the GPCB.
100 .	PP shall carry out the safety audit and risk assessment report as per the prevailing guidelines of the safety.	Complied Unit has done the safety audit and risk assessment as per the guideline of the safety.
101 .	Management of Fly ash shall be as per the Fly ash Notification 2009 & its amendment from time to time and it shall be ensured that there is 100% utilization of Fly ash to be generated from the unit.	Noted. Currently at unit fly ash has not been generated.
102 .	EMP should invariably include provisions for environmental monitoring and measures for noise pollution control measures.	Complied. Noise monitoring is being carried out by an approved NABL / GPCB/ MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) The noise levels in the plant conform to the standards prescribed in the EPA Act, 1986. Copy of the report has been attached as <a href="#">ANNEXURE-XI</a>
103 .	In EMP proponent should separately indicate majors of occupational health, fire and safety measures.	Complied EMP attached as an <a href="#">ANNEXURE-IX</a>
104 .	Prior EC is granted is subject to the proponent receiving all statutory permission/clearances /certificates and membership of respective agencies/authorities whichever applicable. Proponent shall inform progress from time to time , in monthly compliance report to MOEFCC/SEIAA/SEAC/GPCB failing to which this provision EC will stand withdrawn.	Complied Unit has received fresh CC&A order No AWH-108072, dated 10/09/2020, Valid upto 19/02/2025 and further amendment was done with AWH-113931 dated on 22/09/2021 & AWH-113932 dated on 08/10/2021 and then latest CCA - AWH - 135512 dated 09.09.2024.
105 .	Wherever wastewater or chemical water to be collected by tankers and transported to CETP etc. and diversion and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law.	Noted Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.



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106 .	All transport movement by tankers etc has to be done with maintenance of gate pass and logbook it should be verified by the inspecting authorities.	Noted																												
107 .	Non-Hazardous waste data shall be informed to GPCB time to time so as to make an assessment and tie-up with industry for generating sustainable power from the waste.	<div>Complied</div> <div>Details of Non-Hazardous waste are as follows:</div> <table><tr><th>MONTH</th><th>SS Scrap (MT)</th><th>MS Scrap (MT)</th><th>Wooden (MT)</th></tr><tr><td>Apr 24</td><td>0.86</td><td>6.22</td><td>0</td></tr><tr><td>May 24</td><td>0</td><td>4.12</td><td>1.57</td></tr><tr><td>Jun 24</td><td>1.18</td><td>0</td><td>1.69</td></tr><tr><td>Jul 24</td><td>0</td><td>4.53</td><td>2.380</td></tr><tr><td>Aug 24</td><td>0.70</td><td>0</td><td>0</td></tr><tr><td>Sep 24</td><td>0</td><td>0</td><td>0</td></tr></table>	MONTH	SS Scrap (MT)	MS Scrap (MT)	Wooden (MT)	Apr 24	0.86	6.22	0	May 24	0	4.12	1.57	Jun 24	1.18	0	1.69	Jul 24	0	4.53	2.380	Aug 24	0.70	0	0	Sep 24	0	0	0
MONTH	SS Scrap (MT)	MS Scrap (MT)	Wooden (MT)																											
Apr 24	0.86	6.22	0																											
May 24	0	4.12	1.57																											
Jun 24	1.18	0	1.69																											
Jul 24	0	4.53	2.380																											
Aug 24	0.70	0	0																											
Sep 24	0	0	0																											
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.	<div>Noted</div> <div>Unit will ensure that the predictive and preventive maintenance of factory/boiler and reactive systems show as to avoid incidents of fire and safety hazards.</div>																												
109 .	EMP should include STP and detail cost including maintenance, transportation of wastewater to CETP/CMEE etc as well as transport cost or transit cost.	<div>Noted</div> <div>Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.</div>																												
110 .	In LDAR preventive & predictive maintenance plan.	<div>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.</div> <div>Attached in Point -3</div>																												
111 .	In LDAR leakage component , source of equipment leak, detention method should be given in table form.	<div>As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as per the desired set point all are connected to the Hooter &amp; DCS System.</div> <div>Hydrogen Detector System, Methanol Detector System, SO2 Detector System &amp; Xylene Detector system.</div> <div>All are Directly connected with the DCS system.</div>																												
112 .	In storage component should be shown separately in terms whether inflammable, toxic,corrosive, reactive etc.	<div>Complied</div>																												


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

113	In case of Fly ash generation its management and disposal should be as per Government of India Notification and 100% utilization should be ensured.	Noted. Unit has not generated any Fly ash within the premises.
114	Project Proponent shall install all environment management system as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.	Complied Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission.
115	Project proponent shall display the copy of Environment clearance at the site prominently.	Complied
116	Project proponent shall prepare and follow regular and preventive maintenance plan. The copy of same shall be submitted to SEIAA.	Complied Unit had the proper preventive maintenance plan and unit are doing on regularly basis to avoiding leakages, spillages etc
117	Project Proponent will have to display the safety procedure in working area.	Complied
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.	Complied Unit had obtained the all necessary permission form the Competent authorities.
119	Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP/TSD/CHWIF/CMEE/Common Spray Dryer as the case may be.	Complied Unit has obtained the membership of common facilities like CETP/TSD/CHWIF and same has been attached as an <a href="#">ANNEXURE-XIII</a>
120	Extra care will be taken by PP to avoid any accidental blast in boiler,reactor or any machinery in the plant.	Noted Unit will take extra care 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.	Complied Unit had an onsite & Offsite disaster management plan and it was compiled on a regular interval. <a href="#">ANNEXURE-XIV</a>
122	Integrated Regional Office of MoEF&CC, Gandhinagar and GPCB will monitor all environment, safety & Health norms as per the prevailing rules.	Complied Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server.
123	The PP has to maintain the logsheets/registers/manifest/gatepass for discharge through tankers and SCADA system for pipeline discharge for the waste water generation and its disposal data and submit to the GPCB every Quarter. GPCB shall verify the same on regular basis and inform SEIAA and take legal action in the cases of non-compliance.	NOTED Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.
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	Noted & Complied



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	01/05/2018 for pharmaceutical and Chemical industries mentioned at (Sr. no.XX)																															
125 .	<p>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.</p>	<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 below</p> <table border="1"> <thead> <tr> <th>Name of Associated NGO</th><th>Nature of Work</th><th>Amount (Rs in Lakhs)</th></tr> </thead> <tbody> <tr> <td>Jan Seva &amp; Charitable Trust</td><td>Grocery, Uniform, Notebooks Cost &amp; Salary for Computer teacher for Tribal Girls Hostel</td><td>5.15</td></tr> <tr> <td>Samarth Engineering &amp; Construction</td><td>Garden Development @ Luwara Village</td><td>12.00</td></tr> <tr> <td>Samarth Engineering &amp; Construction</td><td>Garden Development @ Luwara Village</td><td>0.30</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project for the Month of March'24</td><td>2.50</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project for the Month of April'24</td><td>2.50</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project for the Month of June'24</td><td>2.50</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>2.50</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Aarti Play group school at village Dahej &amp; Mira nagar Ankleshwar</td><td>4.65</td></tr> <tr> <td>Gram Vikas Trust</td><td>Donation for Vidya Sarthi Project</td><td>2.50</td></tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs in Lakhs)	Jan Seva & Charitable Trust	Grocery, Uniform, Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel	5.15	Samarth Engineering & Construction	Garden Development @ Luwara Village	12.00	Samarth Engineering & Construction	Garden Development @ Luwara Village	0.30	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of March'24	2.50	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of April'24	2.50	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of June'24	2.50	Gram Vikas Trust	Donation for Vidya Sarthi Project	2.50	Gram Vikas Trust	Donation for Aarti Play group school at village Dahej & Mira nagar Ankleshwar	4.65	Gram Vikas Trust	Donation for Vidya Sarthi Project	2.50
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126 .	<p>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</p>	<p>Noted &amp; will be complied</p> <p>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</p>																														

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	recharging the surface run off, pre-treatment must be done to remove suspended matter.	system Now the PR/PO is in process. Once the PO is done then its construction activity will be started.
127 .	The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt./GIDC.	Complied The unit will participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or SEZ / GIDC or GPCB or any such authority created for this purpose by the Govt.
128 .	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.	Complied . Solar energy had been incorporated for illumination of common areas, lighting etc. 
129 .	The area earmarked as green area shall be used only for plantation and shall not be alerted for any other purpose.	Complied The greenbelt has been developed and maintained by the unit regularly. Budget Data for Green Belt Total area of plot :- 54803.04 m2 Greenbelt within Plant Premises :- 10367.85 m2 , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2 Green Belt at Luvara Village:- 5700 m2 Total Green Belt :- 18188.69 m2
130 .	All the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Complied Unit has strictly adhered to the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management.
131 .	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	Complied We will comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
132 .	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Complied In the event of failure of any pollution control system, the unit will be safely closed down and will not be restarted until the desired efficiency of the control equipment has been achieved. The plant is controlled by DCS system.

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133	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>
134	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	<p>Complied</p> <ol style="list-style-type: none"> <li>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.</li> <li>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 &amp; stormwater.</li> <li>3. For the transfer of effluent to ETP, dedicated pits with automated pumps are present to prevent overflow.</li> </ol> <p>photos of garland tank, dyke wall, dedicated pits with automated pumps</p>  

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135	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Complied Pucca flooring has been provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination. Photographs of the same are Given in Point no. 7.
136	Leakages from Pipes,pumps shall be minimal and if occurs shall be arrested promptly.	Complied Unit had the proper preventive maintenance plan and unit are doing on regularly basis to avoiding leakages, spillages etc
137	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Complied Unit has ensured to not take up any further expansion or modifications in the plant likely to cause environmental impacts without obtaining prior Environment Clearance from the concerned authority.
138	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted. We will implement and follow all the rules and regulations under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules. <a href="#">ANNEXURE-XXI</a>
139	The project proponent shall comply with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time in a letter and spirit.	Complied  The project proponent has complied with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time. The CER/CSR activities list given in condition no.125.
140	The project management shall ensure that the unit complies with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	Complied. Unit has complied with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report. The same has been attached in <a href="#">Annexure-IX</a> .
141	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied The Unit has provided adequate funds and has not diverted the funds provided to implement the conditions stipulated by SEIAA as well as GPCB. The unit has allocated funds towards expenses of operation for waste water treatment plant, environmental monitoring, auditing and Hazardous waste disposal.

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142 .	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy of each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied The advertisement regarding the environmental clearance was given in the local newspapers and the copy of the same was submitted to the concerned regional office. The same has been attached in <a href="#">Annexure-XXII</a>
143 .	It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.	Complied Last half yearly compliance report for the period of October 2023 to March 2024 submitted on the date of 10/06/2024
144 .	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
145 .	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied Unit will strictly adhere to the stipulations made by the Gujarat Pollution Control Board.
146 .	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
147 .	The company in a time bound manner shall implement these conditions. The SIEAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted.
148 .	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied Unit has received fresh CC&A order No AWH-108072, dated 10/09/2020, Valid upto 19/02/2025 and further amendment was done with AWH-113931 dated on 22/09/2021 & AWH-113932 dated on 08/10/2021 and then latest CCA - AWH - 135512 dated 09.09.2024.
149 .	This environmental clearance is valid for Ten years from the date of issue.	Noted.
150 .	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
151 .	Submission of any false or misleading information or data which is material to screening of scoping or	Noted.



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	appraisal or decision on the application makes this environment clearance cancelled.	
<b>B.4 COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION/APPEAL:</b>		
152 .	Project proponent shall submit certified compliance report of IRO, gandhinagar for Existing EC obtained within 10 days.	Complied
153 .	Project Proponent shall inform all the concerned authorities including Municipal Corporation and District Collector and shall give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.	Complied Attached Point no. 142.
154 .	Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition full on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of Compliance. Any Change in key person shall immediately be informed to SEIAA and all concern authorities.	Complied Environment Management Unit/Cell is shown below:  <div data-bbox="860 781 1567 1425" data-label="Diagram"> <p><b>FLOW DIAGRAM OF ENVIRONMENT MANAGEMENT CELL</b></p> <pre> graph TD     Director["Director (Technical)"] --&gt; VP["Vice President"]     Director --&gt; GM["General Manager (EHS Corporate)"]     VP --&gt; SiteHead["Site head"]     GM --&gt; SManEnv["Sr. Manager (Environment)"]     GM --&gt; SManSafety["Sr. Manager (Safety)"]     SManEnv --&gt; OfficerEnv["Officer (Environment)"]     OfficerEnv --&gt; ShiftSup["Shift supervisor (ETP)"]     ShiftSup --&gt; ShiftOp["Shift operator (ETP)"]     SManSafety --&gt; OfficerSafety["Officer (Safety)"] </pre> </div>
155 .	Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MoEF&CC, GPCB and Nodal Department of the Government.	Complied Complied Last half yearly compliance report for the period of October 2023 to March 2024 submitted on the date of 10/06/2024
156 .	The Nodal Department or any authority or officer authorized by MoEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.	Noted.
157 .	In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per environment protection Act, 1986 including SEIAA may	Noted



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	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.	Noted
159 .	All Complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) <a href="mailto:msseiaagi@gmail.com">msseiaagi@gmail.com</a> & (b) seacgujarat@gmail.com	Noted

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	21.02.2024	20.08.2024
2	H2-002	Hydrogen	GC LAB	0-100% LEL	0-50% LEL	21.02.2024	20.08.2024
3	H2-003	Hydrogen	GC LAB	0-100% LEL	0-50% LEL	21.02.2024	20.08.2024
4	H2-004	Hydrogen	GCMS ROOM	0-100% LEL	0-50% LEL	21.02.2024	20.08.2024
5	H2-005	Hydrogen	General Lab	0-100% LEL	0-50% LEL	21.02.2024	20.08.2024
6	H2-006	Hydrogen	Inside R&D Lab (autoclave room)	0-100% LEL	0-50% LEL	21.02.2024	20.08.2024
7	O2-001	Oxygen(Inflation/Deflation)	GC ROOM	0-30 % Volume	15% Volume	21.02.2024	20.08.2024
8	O2-002	Oxygen(Inflation/Deflation)	GCMS ROOM	0-30 % Volume	15% Volume	21.02.2024	20.08.2024
9	O2-003	Oxygen(Inflation/Deflation)	General Lab	0-30 % Volume	15% Volume	21.02.2024	20.08.2024
10	O2-004	Oxygen(Inflation/Deflation)	Inside R&D Lab (autoclave room)	0-30 % Volume	15% Volume	21.02.2024	20.08.2024
11	O2-005	Oxygen(Depletion Type)	Duct -1 (Above Document Room)	0-30 % Volume	15% Volume	21.02.2024	20.08.2024
12	O2-006	Oxygen(Depletion Type)	QC LAB DUCT 2	0-30 % Volume	15% Volume	21.02.2024	20.08.2024
13	NH3-001	Ammonia	Duct -1 (Above Document Room)	100 PPM	50 PPM	21.02.2024	20.08.2024
14	NH3-002	Ammonia	QC LAB DUCT 2	100 PPM	50 PPM	21.02.2024	20.08.2024
15	CO-001	Carbon Monoxide	Duct -1 (Above Document Room)	1000 PPM	500 PPM	21.02.2024	20.08.2024
16	CO-002	Carbon Monoxide	QC LAB DUCT 2	1000 PPM	500 PPM	21.02.2024	20.08.2024
17	H2S-001	Hydrogen sulphide	Duct -1 (Above Document Room)	100 PPM	50 PPM	21.02.2024	20.08.2024
18	H2S-002	Hydrogen sulphide	QC LAB DUCT 2	100 PPM	50 PPM	21.02.2024	20.08.2024
19	AT-1103	Hydrogen	H2 PRS Station -Gnd Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
20	AT-1104	Hydrogen	2P0103 Top -Gnd Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
21	AT-1106	Hydrogen	2V0105 Top- 2nd Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
22	AT-1107	Hydrogen	2R0101 to 2E0101 Line - 3 rd Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
23	AT-1109	Hydrogen	2V0110 Top- 3 rd Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
24	AT-1110	Hydrogen	2E0104 Top -5 th Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
25	AT-1111	Hydrogen	Vent Header- 5 th floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
26	AT-1108	Methanol	2V0201 Top- 4 th Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
27	AT-1105	Methanol	2P0101 A Gnd Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
28	AT-1101	Methanol	2V0118 Methanol Storage Tank Gnd floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
29	AT-1102	Methanol	P-116A/B -Gnd floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
30	AT-1112	Methanol	2V0103 Top -2nd Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
31	AT-1113	Methanol	On DCA XYLENE Tank	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
32	5-ANT-0104	So2 Gas	ABOVE 5-R-0101	0 to 20 PPM		21.02.2024	20.08.2024
33	5-ANT-0106	So2 Gas	AT BUFFER TANK 5V0106	0 to 20 PPM		21.02.2024	20.08.2024
34	5-ANT-0208	So2 Gas	ABOVE 5-R-0202	0 to 20 PPM		21.02.2024	20.08.2024
35	5-ANT-0107	So2 Gas	BESIDE 5-R-0101	0 to 20 PPM		21.02.2024	20.08.2024
36	5-ANT-0105	So2 Gas	BESIDE SPARGER TANK	0 to 20 PPM		21.02.2024	20.08.2024
37	5-ANT-0103	So2 Gas	ABOVE SPARGER TANK 5-A-0101	0 to 25 PPM		21.02.2024	20.08.2024
38	5-ANT-0108	So2 Gas	BETWEEN 5-R-0203& 5-R-0202	0 to 25 PPM		21.02.2024	20.08.2024
39	5-ANT-0109	So2 Gas	ABOVE SULFUR MELTER	0 to 20 PPM		21.02.2024	20.08.2024
40	4-AT-0317	Xylene	CR PLANT 2nd Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
41	4-AT-0318	Xylene	CR PLANT 1st Floor	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024
42	2-AT-0201	Methanol	RECOVERD MEOH		0-100% LEL	21.02.2024	20.08.2024
43	2-AT-0202	Methanol	RECOVERD MEOH		0-100% LEL	21.02.2024	20.08.2024
44	2-AT-0203	Methanol	2-V-0104 SAMPLE VALVE		0-100% LEL	21.02.2024	20.08.2024
45	9-AT-1001	ozone	OZONE GENERATER		0-10 ppm	21.02.2024	20.08.2024
46	9-AT-1002	ozone	OZONE GENERATER		0-10 ppm	21.02.2024	20.08.2024
47	9-AT-0904	Xylene	ETP PHENOL PLANT		0-100% LEL	21.02.2024	20.08.2024
48	9-AT-0905	Xylene	ETP PHENOL PLANT		0-100% LEL	21.02.2024	20.08.2024
49	ADMIN-01	Hydrogen	Admin Building UPS ROOM	0-100% LEL	0-100% LEL	21.02.2024	20.08.2024

**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: July - 2024**

**DISCIPLINE: CHEMICAL TESTING**

**NAME OF GROUP: ATMOSPHERIC POLLUTION**

**Test Report No: UERL/24/07/AIL-2/A-001**

**Report Issue Date: 05/08/2024**

**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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>x</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/07/2024	84	33	18.9	23.4
2	04/07/2024	82	34	17.1	20.5
3	12/07/2024	79	29	20.3	24.6
4	13/07/2024	75	30	19.7	23.1
5	17/07/2024	81	36	20.3	24.8
6	18/07/2024	79	32	17.8	21.9
7	26/07/2024	74	29	19.2	25.0
8	27/07/2024	86	30	18.3	21.2
9	30/07/2024	67	27	24.9	28.6
10	31/07/2024	76	30	29.1	30.3
Max.		86	36	29.1	30.3
Min.		67	27	17.1	20.5
98 <sup>th</sup> Percentile		85.4	35.9	28.3	30.0
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: July - 2024**

<b>DISCIPLINE: CHEMICAL TESTING</b>	<b>NAME OF GROUP: ATMOSPHERIC POLLUTION</b>
<b>Test Report No: UERL/24/07/AIL-2/A-002</b>	<b>Report Issue Date: 05/08/2024</b>
<b>Location : AAQM-2 : Near ETP Plant</b>	<b>Instrument: RDS (Sr. No. 249-G-2020) &amp; FPS (Sr.No. 435-G-2020)</b>

Sr. No.	Date of Monitoring	Parameter with Results			
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SOx µg/m <sup>3</sup>	NOx µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/07/2024	74	29	21.8	25.2
2	04/07/2024	80	32	17.6	22.6
3	12/07/2024	73	30	17.2	21.8
4	13/07/2024	76	32	17.4	21.2
5	17/07/2024	78	33	21.3	27.3
6	18/07/2024	72	27	19.5	24.0
7	26/07/2024	72	27	15.7	21.8
8	27/07/2024	81	34	16.1	22.6
9	30/07/2024	73	32	23.7	27.7
10	31/07/2024	83	31	24.8	30.2
Max.		83	34	24.8	30.2
Min.		72	27	15.7	21.2
98 <sup>th</sup> Percentile		82.2	33.7	24.6	29.8
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.

<p><b>Checked By:</b></p>  <p>Nikunj D. Patel (Chemist)</p>	<p><b>Authorized By:</b></p>  <p>Jaivik S. Tandel (Manager - Operations)</p>
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**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: July - 2024**

<b>DISCIPLINE: CHEMICAL TESTING</b>	<b>NAME OF GROUP: ATMOSPHERIC POLLUTION</b>
<b>Test Report No: UERL/24/07/AIL-2/A-003</b>	<b>Report Issue Date: 05/08/2024</b>
<b>Location : AAQM-3 : Near DCS PCC Control Room)</b>	<b>Instrument: RDS (Sr. No. 250 G 2020) &amp; FPS (Sr. No. 436 G 2020)</b>

Sr. No.	Date of Monitoring	Parameter with Results			
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SOx µg/m <sup>3</sup>	NOx µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/07/2024	75	27	17.5	23.2
2	04/07/2024	86	28	25.6	26.5
3	12/07/2024	76	25	18.0	22.4
4	13/07/2024	72	28	16.5	20.6
5	17/07/2024	74	30	22.7	25.9
6	18/07/2024	84	34	15.1	20.2
7	26/07/2024	79	33	20.2	24.6
8	27/07/2024	83	31	15.3	22.9
9	30/07/2024	77	30	21.3	29.1
10	31/07/2024	79	28	21.9	31.5
Max.		86	34	25.6	31.5
Min.		72	25	15.1	20.2
98 <sup>th</sup> Percentile		85.2	33.9	25.1	31.1
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.

<p><b>Checked By:</b></p>  <p>Nikunj D. Patel (Chemist)</p>	<p><b>Authorized By:</b></p>  <p>Jaivik S. Tandel (Manager - Operations)</p>
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**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: APRIL-2024**

**DISCIPLINE: CHEMICAL TESTING**

**NAME OF GROUP: ATMOSPHERIC POLLUTION**

**Test Report No: UERL/24/04/AIL-2/A-001**

**Report Issue Date: 03/05/2024**

**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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>x</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/04/2024	84	32	16.9	25.6
2	04/04/2024	87	35	22.1	23.4
3	11/04/2024	81	30	17.4	21.3
4	12/04/2024	78	29	21.6	25.8
5	18/04/2024	75	26	20.3	26.3
6	19/04/2024	82	31	19.1	24.7
7	23/04/2024	86	34	22.6	27.1
8	24/04/2024	80	31	17.4	25.6
<b>Max.</b>		<b>87</b>	<b>35</b>	<b>22.6</b>	<b>27.1</b>
<b>Min.</b>		<b>75</b>	<b>26</b>	<b>16.9</b>	<b>21.3</b>
<b>98<sup>th</sup> Percentile</b>		<b>86.9</b>	<b>34.9</b>	<b>22.5</b>	<b>27.0</b>
<b>Permissible Limit (As Per NAAQMS)</b>		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>

**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: APRIL-2024**

**DISCIPLINE: CHEMICAL TESTING**

**NAME OF GROUP: ATMOSPHERIC POLLUTION**

**Test Report No: UERL/24/04/AIL-2/A-002**

**Report Issue Date: 03/05/2024**

**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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>x</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/04/2024	79	28	19.3	22.6
2	04/04/2024	77	25	18.2	25.1
3	11/04/2024	81	31	20.3	26.3
4	12/04/2024	84	33	22.4	24.1
5	18/04/2024	78	25	19.8	24.5
6	19/04/2024	79	29	21.3	27.4
7	23/04/2024	85	32	23.6	28.3
8	24/04/2024	78	25	21.7	26.5
Max.		85	33	23.6	28.3
Min.		77	25	18.2	22.6
98 <sup>th</sup> Percentile		84.9	32.9	23.4	28.2
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: APRIL-2024**

<b>DISCIPLINE: CHEMICAL TESTING</b>	<b>NAME OF GROUP: ATMOSPHERIC POLLUTION</b>
<b>Test Report No: UERL/24/04/AIL-2/A-003</b>	<b>Report Issue Date: 03/05/2024</b>
<b>Location : AAQM-3 : Near DCS PCC Control Room)</b>	<b>Instrument: RDS (Sr. No. 250 G 2020) &amp; FPS (Sr. No. 436 G 2020)</b>

Sr. No.	Date of Monitoring	Parameter with Results			
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>x</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/04/2024	75	22	17.8	24.6
2	04/04/2024	79	28	20.1	23.4
3	11/04/2024	81	31	19.6	27.1
4	12/04/2024	75	25	22.1	24.5
5	18/04/2024	78	27	19.5	28.7
6	19/04/2024	81	31	23.1	26.1
7	23/04/2024	84	33	18.2	25.5
8	24/04/2024	79	26	19.4	27.2
Max.		84	33	23.1	28.7
Min.		75	22	17.8	23.4
98 <sup>th</sup> Percentile		83.6	32.7	23.0	28.5
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.

<b>Checked By:</b>  <b>Nikunj D. Patel</b> (Chemist)	<b>Authorized By:</b>  <b>Jaivik S. Tandel</b> (Manager - Operations)
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**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: May-2024**

**DISCIPLINE: CHEMICAL TESTING**

**NAME OF GROUP: ATMOSPHERIC POLLUTION**

**Test Report No: UERL/24/05/AIL-2/A-001**

**Report Issue Date: 01/06/2024**

**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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SOx µg/m <sup>3</sup>	NOx µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2024	78	27	18.2	23.5
2	03/05/2024	65	21	17.6	23.4
3	09/05/2024	62	18	13.2	15.8
4	10/05/2024	74	26	18.4	24.6
5	14/05/2024	73	23	20.5	25.1
6	15/05/2024	69	20	16.4	22.1
7	21/05/2024	72	22	19.5	22.4
8	22/05/2024	73	25	18.6	25.2
9	28/05/2024	66	20	16.5	23.4
10	29/05/2024	70	23	15.1	19.5
Max.		78	27	21	25
Min.		62	18	13	16
98 <sup>th</sup> Percentile		77.3	26.8	20.3	25.2
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: May-2024**

<b>DISCIPLINE: CHEMICAL TESTING</b>		<b>NAME OF GROUP: ATMOSPHERIC POLLUTION</b>			
<b>Test Report No: UERL/24/05/AIL-2/A-002</b>		<b>Report Issue Date: 01/06/2024</b>			
<b>Location : AAQM-2 : Near ETP Plant</b>		<b>Instrument: RDS (Sr. No. 249-G-2020) &amp; FPS (Sr.No. 435-G-2020)</b>			
<b>Sr. No.</b>	<b>Date of Monitoring</b>	<b>Parameter with Results</b>			
		<b>PM<sub>10</sub> µg/m<sup>3</sup></b>	<b>PM<sub>2.5</sub> µg/m<sup>3</sup></b>	<b>SO<sub>x</sub> µg/m<sup>3</sup></b>	<b>NO<sub>x</sub> µg/m<sup>3</sup></b>
		<b>IS:5182 (Part-23)</b>	<b>IS:5182 (Part-24)</b>	<b>IS:5182 (Part-2)</b>	<b>IS:5182 (Part-6)</b>
1	02/05/2024	66	21	20.8	24.3
2	03/05/2024	74	26	22.6	26.3
3	09/05/2024	70	23	19.1	23.6
4	10/05/2024	66	24	16.3	19.2
5	14/05/2024	70	26	14.8	21.7
6	15/05/2024	72	23	20.2	26.4
7	21/05/2024	76	25	17.5	21.8
8	22/05/2024	65	20	15.4	19.7
9	28/05/2024	68	22	18.9	22.5
10	29/05/2024	75	24	18.5	21.7
<b>Max.</b>		<b>76</b>	<b>26.0</b>	<b>22.6</b>	<b>26.4</b>
<b>Min.</b>		<b>65</b>	<b>20.0</b>	<b>14.8</b>	<b>19.2</b>
<b>98<sup>th</sup> Percentile</b>		<b>75.8</b>	<b>26.0</b>	<b>22.3</b>	<b>26.4</b>
<b>Permissible Limit (As Per NAAQMS)</b>		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>

**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.



<b>Checked By:</b>  <b>Nikunj D. Patel</b> (Chemist)	<b>Authorized By:</b>  <b>Jaivik S. Tandel</b> (Manager - Operations)
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**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: May-2024**

<b>DISCIPLINE: CHEMICAL TESTING</b>		<b>NAME OF GROUP: ATMOSPHERIC POLLUTION</b>			
<b>Test Report No: UERL/24/05/AIL-2/A-003</b>		<b>Report Issue Date: 01/06/2024</b>			
<b>Location : AAQM-3 : Near DCS PCC Control Room)</b>		<b>Instrument: RDS (Sr. No. 250 G 2020) &amp; FPS (Sr. No. 436 G 2020)</b>			
<b>Sr. No.</b>	<b>Date of Monitoring</b>	<b>Parameter with Results</b>			
		<b>PM<sub>10</sub> µg/m<sup>3</sup></b>	<b>PM<sub>2.5</sub> µg/m<sup>3</sup></b>	<b>SOx µg/m<sup>3</sup></b>	<b>NOx µg/m<sup>3</sup></b>
		<b>IS:5182 (Part-23)</b>	<b>IS:5182 (Part-24)</b>	<b>IS:5182 (Part-2)</b>	<b>IS:5182 (Part-6)</b>
1	02/05/2024	75	24	16.5	21.2
2	03/05/2024	70	23	17.2	21.6
3	09/05/2024	72	25	16.9	21.8
4	10/05/2024	76	26	14.2	18.8
5	14/05/2024	80	29	17.2	22.4
6	15/05/2024	75	26	16.2	21.5
7	21/05/2024	80	28	17.8	23.5
8	22/05/2024	70	24	18.2	21.3
9	28/05/2024	76	23	19.3	23.4
10	29/05/2024	68	20	16.2	22.4
<b>Max.</b>		<b>80</b>	<b>29.0</b>	<b>19.3</b>	<b>23.5</b>
<b>Min.</b>		<b>70</b>	<b>23.0</b>	<b>14.2</b>	<b>18.8</b>
<b>98<sup>th</sup> Percentile</b>		<b>80.0</b>	<b>28.8</b>	<b>19.1</b>	<b>23.5</b>
<b>Permissible Limit (As Per NAAQMS)</b>		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>

**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.

<b>Checked By:</b>  <b>Nikunj D. Patel</b> (Chemist)	<b>Authorized By:</b>  <b>Jaivik S. Tandel</b> (Manager - Operations)
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**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: July - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/07/AIL-2/A-001

Report Issue Date: 05/08/2024

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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>x</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/07/2024	84	33	18.9	23.4
2	04/07/2024	82	34	17.1	20.5
3	12/07/2024	79	29	20.3	24.6
4	13/07/2024	75	30	19.7	23.1
5	17/07/2024	81	36	20.3	24.8
6	18/07/2024	79	32	17.8	21.9
7	26/07/2024	74	29	19.2	25.0
8	27/07/2024	86	30	18.3	21.2
9	30/07/2024	67	27	24.9	28.6
10	31/07/2024	76	30	29.1	30.3
Max.		86	36	29.1	30.3
Min.		67	27	17.1	20.5
98 <sup>th</sup> Percentile		85.4	35.9	28.3	30.0
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: July - 2024**

<b>DISCIPLINE: CHEMICAL TESTING</b>	<b>NAME OF GROUP: ATMOSPHERIC POLLUTION</b>
<b>Test Report No: UERL/24/07/AIL-2/A-002</b>	<b>Report Issue Date: 05/08/2024</b>
<b>Location : AAQM-2 : Near ETP Plant</b>	<b>Instrument: RDS (Sr. No. 249-G-2020) &amp; FPS (Sr.No. 435-G-2020)</b>

Sr. No.	Date of Monitoring	Parameter with Results			
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>x</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/07/2024	74	29	21.8	25.2
2	04/07/2024	80	32	17.6	22.6
3	12/07/2024	73	30	17.2	21.8
4	13/07/2024	76	32	17.4	21.2
5	17/07/2024	78	33	21.3	27.3
6	18/07/2024	72	27	19.5	24.0
7	26/07/2024	72	27	15.7	21.8
8	27/07/2024	81	34	16.1	22.6
9	30/07/2024	73	32	23.7	27.7
10	31/07/2024	83	31	24.8	30.2
Max.		83	34	24.8	30.2
Min.		72	27	15.7	21.2
98 <sup>th</sup> Percentile		82.2	33.7	24.6	29.8
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.



<p><b>Checked By:</b></p>  <p>Nikunj D. Patel (Chemist)</p>	<p><b>Authorized By:</b></p>  <p>Jaivik S. Tandel (Manager - Operations)</p>
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**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: July - 2024**

<b>DISCIPLINE: CHEMICAL TESTING</b>		<b>NAME OF GROUP: ATMOSPHERIC POLLUTION</b>			
<b>Test Report No: UERL/24/07/AIL-2/A-003</b>		<b>Report Issue Date: 05/08/2024</b>			
<b>Location : AAQM-3 : Near DCS PCC Control Room)</b>		<b>Instrument: RDS (Sr. No. 250 G 2020) &amp; FPS (Sr. No. 436 G 2020)</b>			
<b>Sr. No.</b>	<b>Date of Monitoring</b>	<b>Parameter with Results</b>			
		<b>PM<sub>10</sub> µg/m<sup>3</sup></b>	<b>PM<sub>2.5</sub> µg/m<sup>3</sup></b>	<b>SOx µg/m<sup>3</sup></b>	<b>NOx µg/m<sup>3</sup></b>
		<b>IS:5182 (Part-23)</b>	<b>IS:5182 (Part-24)</b>	<b>IS:5182 (Part-2)</b>	<b>IS:5182 (Part-6)</b>
1	03/07/2024	75	27	17.5	23.2
2	04/07/2024	86	28	25.6	26.5
3	12/07/2024	76	25	18.0	22.4
4	13/07/2024	72	28	16.5	20.6
5	17/07/2024	74	30	22.7	25.9
6	18/07/2024	84	34	15.1	20.2
7	26/07/2024	79	33	20.2	24.6
8	27/07/2024	83	31	15.3	22.9
9	30/07/2024	77	30	21.3	29.1
10	31/07/2024	79	28	21.9	31.5
<b>Max.</b>		<b>86</b>	<b>34</b>	<b>25.6</b>	<b>31.5</b>
<b>Min.</b>		<b>72</b>	<b>25</b>	<b>15.1</b>	<b>20.2</b>
<b>98<sup>th</sup> Percentile</b>		<b>85.2</b>	<b>33.9</b>	<b>25.1</b>	<b>31.1</b>
<b>Permissible Limit (As Per NAAQMS)</b>		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>

**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.

<b>Checked By:</b>  <b>Nikunj D. Patel</b> (Chemist)	<b>Authorized By:</b>  <b>Jaivik S. Tandel</b> (Manager - Operations)
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# 1.0 AMBIENT AIR QUALITY MONITORING REPORT



**Period: June – 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](mailto:response@uerl.in) Website : [www.uerl.in](http://www.uerl.in)

MoEF&CC (GOI) Recognized Environmental  
Laboratory under the EPA-1986 (31.03.2023 to 22.09.2024)

QCI-NABET Accredited EIA & GW  
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: June - 2024**

**DISCIPLINE: CHEMICAL TESTING**

**NAME OF GROUP: ATMOSPHERIC POLLUTION**

**Test Report No: UERL/24/06/AIL-2/A-001**

**Report Issue Date: 05/07/2024**

**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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SOx µg/m <sup>3</sup>	NOx µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/06/2024	76	23	14.5	20.2
2	04/06/2024	65	19	16.9	20.8
3	10/06/2024	62	22	15.4	19.1
4	11/06/2024	68	24	16.2	22.3
5	17/06/2024	63	18	11.7	20.6
6	18/06/2024	59	18	15.8	22.7
7	24/06/2024	69	21	14.3	18.4
8	25/06/2024	71	24	18.1	24.5
Max.		76	24	18	25
Min.		59	18	12	18
98 <sup>th</sup> Percentile		75.3	24.0	17.9	24.2
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: June - 2024**

**DISCIPLINE: CHEMICAL TESTING**

**NAME OF GROUP: ATMOSPHERIC POLLUTION**

**Test Report No: UERL/24/06/AIL-2/A-002**

**Report Issue Date: 05/07/2024**

**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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SOx µg/m <sup>3</sup>	NOx µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/06/2024	72	21	14.3	19.7
2	04/06/2024	66	21	15.7	21.2
3	10/06/2024	60	20	16.1	21.3
4	11/06/2024	70	25	15.8	19.5
5	17/06/2024	69	20	13.2	18.1
6	18/06/2024	61	19	18.6	23.4
7	24/06/2024	65	18	17.5	20.2
8	25/06/2024	67	22	16.4	22.6
Max.		72	25.0	18.6	23.4
Min.		60	18.0	13.2	18.1
98 <sup>th</sup> Percentile		71.7	24.6	18.4	23.3
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)

**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: June - 2024**

**DISCIPLINE: CHEMICAL TESTING**

**NAME OF GROUP: ATMOSPHERIC POLLUTION**

**Test Report No: UERL/24/06/AIL-2/A-003**

**Report Issue Date: 05/07/2024**

**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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>x</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/06/2024	67	24	13.6	17.1
2	04/06/2024	59	23	13.5	19.7
3	10/06/2024	63	25	14.8	19.4
4	11/06/2024	66	22	18.3	22.8
5	17/06/2024	61	21	15.1	21.3
6	18/06/2024	57	17	16.4	20.2
7	24/06/2024	58	16	15.2	21.5
8	25/06/2024	61	18	14.7	18.0
Max.		67	25.0	18.3	22.8
Min.		57	16.0	13.5	17.1
98 <sup>th</sup> Percentile		66.9	24.9	18.0	22.6
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:**



Nikunj D. Patel

(Chemist)

**Authorized By:**



Jaivik S. Tandel

(Manager - Operations)

# 1.0 AMBIENT AIR QUALITY MONITORING REPORT



**Period: September – 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](mailto:response@uerl.in) Website : [www.uerl.in](http://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: September - 2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/09/AIL-2/A-001

Report Issue Date: 05/10/2024

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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>x</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/09/2024	67	27	18.4	23.5
2	05/09/2024	76	20	17.7	26.2
3	11/09/2024	74	24	21.2	28.1
4	12/09/2024	71	31	22.4	24.4
5	19/09/2024	74	25	17.2	24.2
6	20/09/2024	69	28	20.6	27.3
7	25/09/2024	72	30	19.3	22.4
8	26/09/2024	70	22	16.6	25.6
Max.		76	31	22.4	28.1
Min.		67	20	16.6	22.4
98 <sup>th</sup> Percentile		75.7	30.9	22.2	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: September - 2024**



<b>DISCIPLINE: CHEMICAL TESTING</b>	<b>NAME OF GROUP: ATMOSPHERIC POLLUTION</b>
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<b>Test Report No: UERL/24/09/AIL-2/A-002</b>	<b>Report Issue Date: 05/10/2024</b>
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<b>Location : AAQM-2 : Near ETP Plant</b>	<b>Instrument: RDS (Sr. No. 249-G-2020) &amp; FPS (Sr.No. 435-G-2020)</b>
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Sr. No.	Date of Monitoring	Parameter with Results			
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SOx µg/m <sup>3</sup>	NOx µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/09/2024	83	30	20.7	24.2
2	05/09/2024	69	28	22.3	22.6
3	11/09/2024	71	26	21.5	31.5
4	12/09/2024	73	29	23.1	29.2
5	19/09/2024	77	29	23.4	25.3
6	20/09/2024	81	31	19.7	28.5
7	25/09/2024	72	27	21.2	30.2
8	26/09/2024	74	33	25.4	26.8
Max.		83	33	25.4	31.5
Min.		69	26	19.7	22.6
98 <sup>th</sup> Percentile		82.7	32.7	25.1	31.3
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.

<b>Checked By:</b>  <b>Nikunj D. Patel</b> (Chemist)	<b>Authorized By:</b>  <b>Jaivik S. Tandel</b> (Manager - Operations)
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**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: September - 2024

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/24/09/AIL-2/A-003	Report Issue Date: 05/10/2024
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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>x</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/09/2024	66	24	20.6	27.2
2	05/09/2024	71	29	19.8	23.5
3	11/09/2024	69	26	21.5	26.6
4	12/09/2024	72	30	18.7	22.7
5	19/09/2024	71	25	21.3	23.3
6	20/09/2024	74	29	23.6	25.2
7	25/09/2024	68	30	18.5	21.6
8	26/09/2024	73	23	22.4	26.7
Max.		74	30	23.6	27.2
Min.		66	23	18.5	21.6
98 <sup>th</sup> Percentile		73.9	30.0	23.4	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.

<p>Checked By:</p>  <p>Nikunj D. Patel (Chemist)</p>	<p>Authorized By:</p>  <p>Jaivik S. Tandel (Manager - Operations)</p>
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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-004	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-004	Service Request Date	30/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/004
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	30/07/2024	Date of Testing	31/08/2024
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	30
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	15.5	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO <sub>3</sub> )	mg/Nm <sup>3</sup>	5.8	70	SA EPA Method 03.04.2012

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

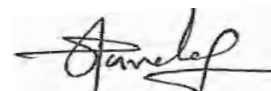
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-014	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-014	Service Request Date	30/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/014
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	30/07/2024	Date of Testing	31/08/2024
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	33
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	8.6	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

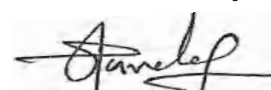
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)



**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-005	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-005	Service Request Date	31/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/005
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	31/07/2024	Date of Testing	01/08/2024
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	30
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 <sup>3</sup>	5.2	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

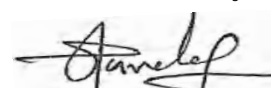
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



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(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-006	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-006	Service Request Date	30/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/006
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	30/07/2024	Date of Testing	31/08/2024
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	30
3.	Flue Gas Temperature	°C	47

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	2.4	**	GC Method

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

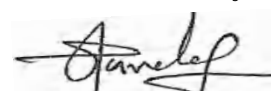
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-007	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-007	Service Request Date	30/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/007
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	30/07/2024	Date of Testing	31/08/2024
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	30
3.	Flue Gas Temperature	°C	52

➤ Test Parameter Results

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

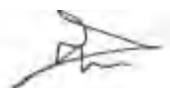
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

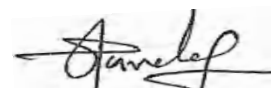
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-008	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-008	Service Request Date	30/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/008
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	30/07/2024	Date of Testing	31/08/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO <sub>2</sub> 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	30
3.	Flue Gas Temperature	°C	50

➤ Test Parameter Results

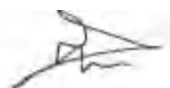
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	3.5	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

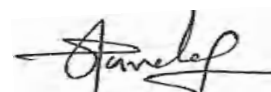
\*\*\*\*\* End of Report \*\*\*\*\*

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TEST REPORT  
(STACK MONITORING)

Test Report No.	UERL/24/07/AIL-2/S-009	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-009	Service Request Date	30/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/009
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	30/07/2024	Date of Testing	31/08/2024
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	30
3.	Flue Gas Temperature	°C	52


➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	TVOCs	Ppm	3.8	**	GC Method

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

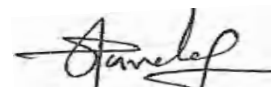
\*\*\*\*\* End of Report \*\*\*\*\*

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TEST REPORT  
(STACK MONITORING)

Test Report No.	UERL/24/07/AIL-2/S-010	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-010	Service Request Date	30/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/010
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	30/07/2024	Date of Testing	31/08/2024
Stack Sampling Attached to	HNO <sub>3</sub> 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	30
3.	Flue Gas Temperature	°C	46

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	7.8	25	IS: 11255 (Part 7): 2005 RA.2017

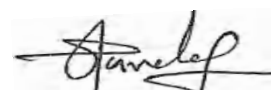
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-011	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-011	Service Request Date	30/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/011
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	30/07/2024	Date of Testing	31/08/2024
Stack Sampling Attached to	Liquid SO <sub>3</sub> & 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	30
3.	Flue Gas Temperature	°C	48

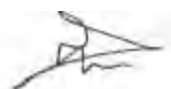
➤ Test Parameter Results

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

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

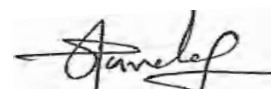
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-012	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-012	Service Request Date	30/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/012
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	30/07/2024	Date of Testing	31/08/2024
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	30
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	6.8	40	IS 11255 (Part 2)
2.	VOCs	ppm	5.2	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

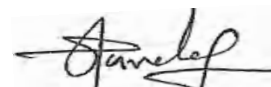
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-013	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-013	Service Request Date	31/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/013
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	31/07/2024	Date of Testing	01/08/2024
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	30
3.	Flue Gas Temperature	°C	44

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	8.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	4.4	**	GC Method

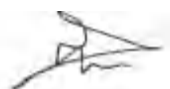
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

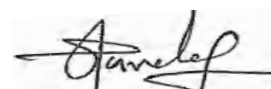
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-004	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-004	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/004
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	27/04/2024	Date of Testing	29/04/2024
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	34
3.	Flue Gas Temperature	°C	46

➤ Test Parameter Results

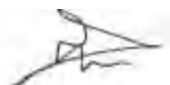
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO <sub>3</sub> )	mg/Nm <sup>3</sup>	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

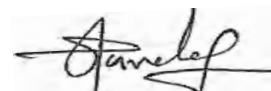
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-005	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-005	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/005
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	27/04/2024	Date of Testing	29/04/2024
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	21/06/2023	Next Calibration Due On	20/06/2024

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	°C	56

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

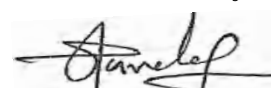
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-006	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-006	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/006
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	27/04/2024	Date of Testing	29/04/2024
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	35
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

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

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

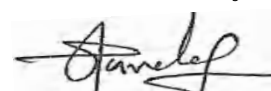
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)



**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-007	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-007	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/007
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	27/04/2024	Date of Testing	29/04/2024
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	35
3.	Flue Gas Temperature	°C	51

➤ 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.

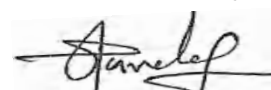
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-008	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-008	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/008
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	27/04/2024	Date of Testing	29/04/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO <sub>2</sub> 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	35
3.	Flue Gas Temperature	°C	53

➤ Test Parameter Results

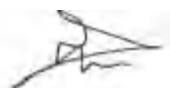
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	3.1	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

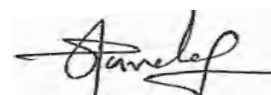
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-009	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-009	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/009
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	27/04/2024	Date of Testing	29/04/2024
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	35
3.	Flue Gas Temperature	°C	55


➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	TVOCs	Ppm	2.4	**	GC Method

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

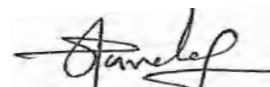
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-010	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-010	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/010
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	27/04/2024	Date of Testing	29/04/2024
Stack Sampling Attached to	HNO <sub>3</sub> 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	21/06/2023	Next Calibration Due On	20/06/2024

➤ General Stack Monitoring Observation


Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
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 (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	7.3	25	IS: 11255 (Part 7): 2005 RA.2017

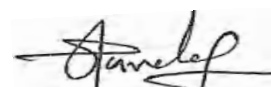
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT  
(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-011	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-011	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/011
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	27/04/2024	Date of Testing	29/04/2024
Stack Sampling Attached to	Liquid SO <sub>3</sub> & 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	35
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

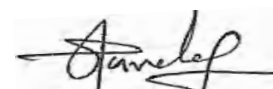
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-012	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-012	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/012
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	27/04/2024	Date of Testing	29/04/2024
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	35
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

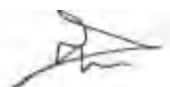
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

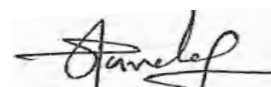
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-013	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-013	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/013
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	27/04/2024	Date of Testing	29/04/2024
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	35
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	6.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.4	**	GC Method

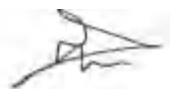
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

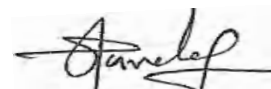
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-014	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-014	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/014
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	27/04/2024	Date of Testing	29/04/2024
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	35
3.	Flue Gas Temperature	°C	47

➤ Test Parameter Results

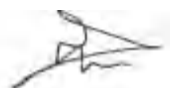
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

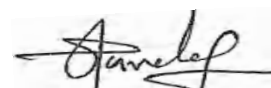
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-004	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-004	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/004
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	29/05/2024	Date of Testing	30/05/2024
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	34
3.	Flue Gas Temperature	°C	46

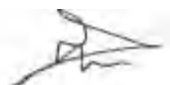
➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	20.5	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO <sub>3</sub> )	mg/Nm <sup>3</sup>	5.2	70	SA EPA Method 03.04.2012

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

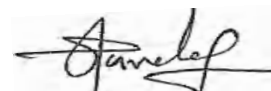
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-014	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-014	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/014
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	29/05/2024	Date of Testing	30/05/2024
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	35
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	4.3	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

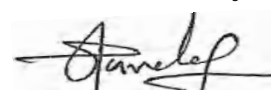
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



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Authorized By:



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**TEST REPORT  
(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-005	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-005	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/005
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	29/05/2024	Date of Testing	30/05/2024
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	21/06/2023	Next Calibration Due On	20/06/2024

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	°C	54

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm <sup>3</sup>	3.8	25	IS: 11255 (Part 7): 2005 RA.2017

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

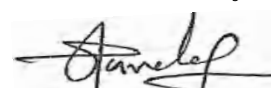
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-006	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-006	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/006
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	29/05/2024	Date of Testing	30/05/2024
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	35
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.

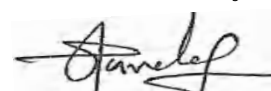
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)



**TEST REPORT  
(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-007	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-007	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/007
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	29/05/2024	Date of Testing	30/05/2024
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	35
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

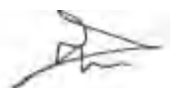
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

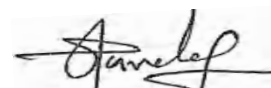
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-008	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-008	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/008
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	29/05/2024	Date of Testing	30/05/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO <sub>2</sub> 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	35
3.	Flue Gas Temperature	°C	56

➤ Test Parameter Results

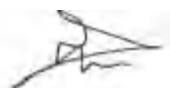
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	3.5	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

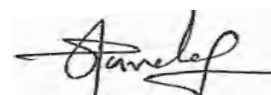
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-009	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-009	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/009
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	29/05/2024	Date of Testing	30/05/2024
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	35
3.	Flue Gas Temperature	°C	52

➤ 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.

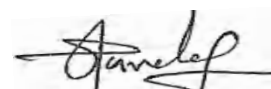
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-010	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-010	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/010
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	29/05/2024	Date of Testing	30/05/2024
Stack Sampling Attached to	HNO <sub>3</sub> 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	21/06/2023	Next Calibration Due On	20/06/2024

➤ General Stack Monitoring Observation


Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
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 (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	5.5	25	IS: 11255 (Part 7): 2005 RA.2017

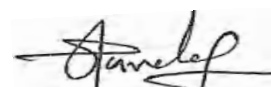
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-011	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-011	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/011
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	29/05/2024	Date of Testing	30/05/2024
Stack Sampling Attached to	Liquid SO <sub>3</sub> & 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	35
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	8.4	40	IS 11255 (Part 2)

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

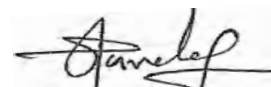
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-012	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-012	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/012
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	29/05/2024	Date of Testing	30/05/2024
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	35
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	5.6	40	IS 11255 (Part 2)
2.	VOCs	ppm	1.1	**	GC Method

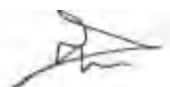
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

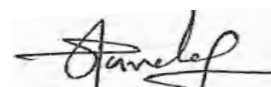
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-013	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-013	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/013
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	29/05/2024	Date of Testing	30/05/2024
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	35
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	8.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	3.5	**	GC Method

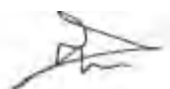
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

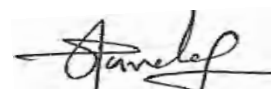
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-004	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-004	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/004
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	28/06/2024	Date of Testing	29/06/2024
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	33
3.	Flue Gas Temperature	°C	44

➤ Test Parameter Results

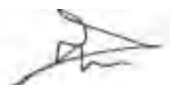
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	18.4	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO <sub>3</sub> )	mg/Nm <sup>3</sup>	4.8	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

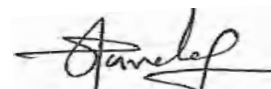
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-014	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-014	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/014
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	28/06/2024	Date of Testing	29/06/2024
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	33
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	3.6	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

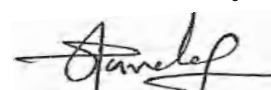
\*\*\*\*\* End of Report \*\*\*\*\*

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TEST REPORT  
(STACK MONITORING)

Test Report No.	UERL/24/06/AIL-2/S-005	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/005
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	28/06/2024	Date of Testing	29/06/2024
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	33
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 (NOx)	mg/Nm <sup>3</sup>	4.5	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

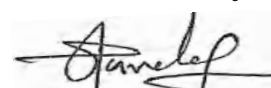
\*\*\*\*\* End of Report \*\*\*\*\*

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**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-006	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-006	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/006
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	28/06/2024	Date of Testing	29/06/2024
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	33
3.	Flue Gas Temperature	°C	46

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	2.1	**	GC Method

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

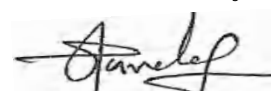
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-007	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-007	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/007
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	28/06/2024	Date of Testing	29/06/2024
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	33
3.	Flue Gas Temperature	°C	51

➤ 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.

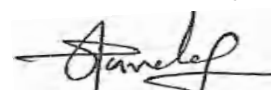
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)



**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-008	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-008	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/008
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	28/06/2024	Date of Testing	29/06/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO <sub>2</sub> 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	33
3.	Flue Gas Temperature	°C	52

➤ Test Parameter Results

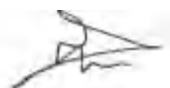
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	3.1	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

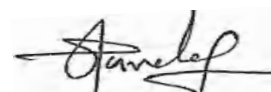
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-009	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-009	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/009
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	28/06/2024	Date of Testing	29/06/2024
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	33
3.	Flue Gas Temperature	°C	48


➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	TVOCs	Ppm	2.8	**	GC Method

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

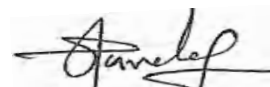
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-010	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-010	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/010
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	28/06/2024	Date of Testing	29/06/2024
Stack Sampling Attached to	HNO <sub>3</sub> 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	33
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 <sub>x</sub> )	mg/Nm <sup>3</sup>	6.4	25	IS: 11255 (Part 7): 2005 RA.2017

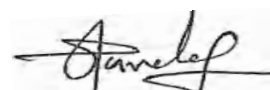
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)



**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-011	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-011	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/011
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	28/06/2024	Date of Testing	29/06/2024
Stack Sampling Attached to	Liquid SO <sub>3</sub> & 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	33
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	7.4	40	IS 11255 (Part 2)

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

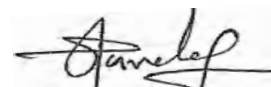
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)

TEST REPORT  
(STACK MONITORING)

Test Report No.	UERL/24/06/AIL-2/S-012	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-012	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/012
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	28/06/2024	Date of Testing	29/06/2024
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	33
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	5.2	40	IS 11255 (Part 2)
2.	VOCs	ppm	1.3	**	GC Method

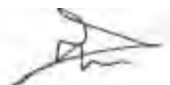
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

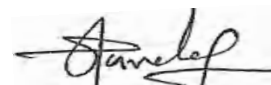
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-013	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-013	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/013
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	28/06/2024	Date of Testing	29/06/2024
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	33
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 <sub>2</sub> )	mg/Nm <sup>3</sup>	7.6	40	IS 11255 (Part 2)
2.	VOCs	Ppm	3.2	**	GC Method

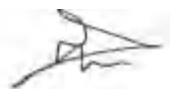
Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

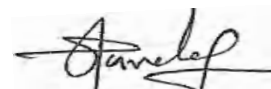
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nikunj D. Patel  
(Chemist)

Authorized By:



Jaivik S. Tandel  
(Manager - Operations)

# 5.0 SOIL ANALYSIS REPORT



**Period: May - 2024**

**FOR**

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

**At**

**Plot No. Z/103/C, Dahej SEZ Part-II,  
Tal. Vagara, Dist. Bharuch,  
Dahej-392 130, 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](mailto:response@uerl.in) Website : [www.uerl.in](http://www.uerl.in)

MoEF&CC (GOI) Recognized Environmental  
Laboratory under the EPA-1986 (31.03.2023 to 22.09.2024)

QCI-NABET Accredited EIA & GW  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-II)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company



### TEST REPORT

ULR No.	--	Report No.	URC /24/06/L-0026
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-II DIAMOND) PLOT NO. Z-103/C, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	05/06/2024
		Customer's Ref.	--
Sample Details	Soil Sample	Location	ETP Area
Sample Qty.	1 kg.	Appearance	Brown Colour
Sampling Date	31/05/2024	Sample Received Date	01/06/2024
Test Started Date	01/06/2024	Test Completion Date	04/06/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/06/L-0026		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	pH	IS: 2720 (Part 26):1987	--	9.88
2.	Moisture Content	Lab SOP No. UERL/CHM/LTM/86	%	BDL(MDL:2.0)
3.	Electrical Conductivity	IS: 14767 :2000	µs/cm	315
4.	Water Soluble Potassium	Lab SOP No. UERL/CHM/LTM/84	mg/kg	396.7
5.	Water Soluble Sodium	Lab SOP No. UERL/CHM/LTM/89	mg/kg	>1000
6.	Total Kjeldahl Nitrogen as N	IS: 14684 :1999	mg/kg	79.5
7.	Cation Exchange Capacity	Lab SOP No. UERL/CHM/LTM/79	meq/100g	26.8
8.	Water Holding Capacity	Lab SOP No. UERL/CHM/SOP/150	ml/100 gm	48
9.	Texture Class	Lab SOP No. UERL/CHM/LTM/108	--	Clay Loam
10.	Available Phosphorus	Lab SOP No. UERL/CHM/SOP/151	mg/kg	74.2
11.	Chloride	Lab SOP No. UERL/CHM/LTM/90	mg/kg	>1000
12.	Sulphate	Lab SOP No. UERL/CHM/SOP/152	mg/kg	19.2
13.	Sodium Absorption Ratio (SAR)	Lab SOP No. ERL/CHM/LTM/85	--	28.8
14.	Available Nitrogen	Lab SOP No. UERL/CHM/LTM/80	mg/kg	47.1

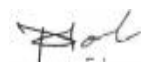
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nilesh C. Patel  
(Sr. Chemist)

Authorized By:



Nitin B. Tandel  
(Technical Manager)

### TEST REPORT

ULR No.	--	Report No.	URC /24/06/L-0026
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-II DIAMOND) PLOT NO. Z-103/C, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	05/06/2024
		Customer's Ref.	--
Sample Details	Soil Sample	Location	ETP Area
Sample Qty.	1 kg.	Appearance	Brown Colour
Sampling Date	31/05/2024	Sample Received Date	01/06/2024
Test Started Date	01/06/2024	Test Completion Date	04/06/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/06/L-0026		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Chemical Oxygen Demand (COD)	Open Reflex Method	mg/kg	8088.5
2.	Colour	--	--	Brown
3.	TOC	--	--	3033.2
4.	Ortho Phosphate	--	mg/kg	63.9
5.	Pesticides	USEPA 3540 C-1996 & USEPA 8081 B-2007	µg/kg	Absent
6.	Ammonia	Lab SOP No. UERL/CHM/LTM/70	mg/kg	N.D.
7.	Phosphate	Spectrophotometric Method	mg/kg	132.4

Note: N.D. = Not Detectable,

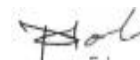
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nilesh C. Patel  
(Sr. Chemist)

Authorized By:



Nitin B. Tandel  
(Technical Manager)



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 बिल्डिंग, सयाजी गंज  
वडोदरा- 390020  
8th Floor, Yash Kamal Building, Sayajigunj,  
Vadodara - 390020

E-mail : [dyccebaroda@explosives.gov.in](mailto: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)  
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**Note:-This is system generated document does not require signature.**

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## WE SERVE TO SAVE

પ્રતિ

મુખ્ય અધિકારી શ્રી  
ભરૂચ નગરપાલિકા,  
ભરૂચ.

ઈનવર્ડ નં. ૨૯૬, તા. ૦૭/૧૧/૨૦૧૯

વિષય:- ગુજરાત ફાયર પ્રિવેન્શન એન્ડ લાઈફ સેફ્ટી મેજર એક્ટ -૨૦૧૩ અન્વયે અત્રેથી ફક્ત  
અભિપ્રાય આપવા બાબત. ( **Provisional - N.O.C** )

સંદર્ભ:- ભરૂચ નગરપાલિકા ના મુખ્ય અધિકારી, ભરૂચ નગરપાલિકા ના પત્ર ક્રમાંક નં ૪૧૦ થી ૪૧૧,  
તા. ૧૬/૧૦/૨૦૧૯ અરજદાર શ્રી Aarti Industries Limited, Plot No.Z-111/B, SEZ-II, Industrial Estate, Tal. Vagra, GIDC Dahej. Dist: Bharuch (Gujarat). ની અરજી  
તા. ૧૧/૧૦/૨૦૧૯ની અરજી

સવિનય ઉપરોક્ત વિષય અને સંદર્ભ અન્વયે ના પત્ર અનુસંધાને જણાવવાનું કે  
ભરૂચ નગરપાલિકા ના મુખ્ય અધિકારી, ભરૂચ નગરપાલિકા ના પત્ર ક્રમાંક નં ૪૧૦ થી ૪૧૧,  
તા. ૧૬/૧૦/૨૦૧૯ અરજદાર શ્રી Aarti Industries Limited, Plot No.Z-111/B, SEZ-II, Industrial Estate, Tal. Vagra, GIDC Dahej. Dist: Bharuch (Gujarat). આવેલ હોય  
જે ગુજરાત ફાયર પ્રિવેન્શન એન્ડ લાઈફ સેફ્ટી મેજર એક્ટ -૨૦૧૩ નાં જુડીસીઆર (૨૦૨૧) નાં  
ઉલ્લેખીત નિયમો મુજબ અત્રેનાં ફાયર પ્રિવેન્શન અને પ્રોટેક્શન મુજબ નો અભિપ્રાય માંગેલ છે.

જેમા નીચેના કોષ્ટક મુજબ ની જોગવાઈ હોવી જરૂરી છે. તેમજ ઇનસ્ટોલ કર્યા બાદ  
ચાલુ હાલતમાં હોવી જાઈએ.

અનુ નં	વિગત
૧	ફાયર હાઈડ્રન્ટ સીસ્ટમ હોઝ બોક્ષ હોઝ રીલ સાથે પ્રીમાઈસીસ એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઈએ
૨	એ.બી.સી. ૬.૦૦ કે.જી. ફાયર એક્સ્ટીંગ્યુશન પ્રીમાઈસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઈએ
૩	સી.ઓ.ટુ.૪.૫ કે.જી. ફાયર એક્સ્ટીંગ્યુશન પ્રીમાઈસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઈએ
૪	મેઈન ઇલેક્ટ્રીકલ ફાયર પંપ, જેકી પંપ અને ડીઝલ પંપ હોવો જોઈએ
૫	AFFF ફોમ સોલ્યુશન ૩૦૦૦ લીટર અને ફોમ મેકીંગ બાંચ હોવું જોઈએ
૬	બી.એ.સેટ તેમજ કાસકેડ સીસ્ટમ હોવી જોઈએ.
૭	ઓછામાં ઓછી ૩ કલાક ફાયર ફાઈટીંગ થાય તે મુજબ ફાયર ફાઈટીંગ માટે પાણી ની સુવિધા હોવી જોઈએ.
૮	ફોર વે ફાયર બ્રીગેડ ઇનલેટ હોવું જોઈએ
૯	ટૅક ફાર્મ એરીયા ની ફરતે તેમજ પ્રોસેસ ઇમારત ની ફરતે વોટર કમ ફોમ મોનીટર તેમજ ડી.વી.સીસ્ટમ હોવું જોઈએ.
૧૦	વેર હાઉસ એરીયા માં સ્પ્રીન્કલર હોવા જોઈએ
૧૧	એન્ટ્રી તેમજ એક્ઝીટ અલગ અલગ હોવી જોઈએ.
૧૨	ફેક્ટરી એક્ટ મુજબ સુરક્ષા ના નિતી નિયમોનું પાલન કરવા નું રહેશે.
૧૩	વધુમાં સરકાર શ્રી તરફથી નિયમોમાં ફેરફાર કરવામાં આવે તો તેનું સમયસર પાલન કરવાનું રહેશે.

આ પત્ર ફક્ત કામચલાઉ (પ્રોવીઝનલ) ધોરણે અમારા તરફથી આપવામાં આવે છે

સંપૂર્ણ ફેક્ટરી માં ફાયર સેફ્ટી અને પ્રોટેક્શન ઇકવીપમેન્ટ કાયમી ધોરણે ફીક્સ  
લગાડવા બાદજ આપના તરફથી અમારા વિભાગને જાણ કર્યા બાદ ફાયર ફાઈટીંગ સુવિધા નું  
ઇન્સપેક્શન કર્યા બાદ એન.ઓ.સી.આપવા માં આવશે.

જાવકનં/અભિપ્રાય નં. ૪૫૧

તા. ૧૮/૧૧/૨૦૧૯



ડી.એચ. માખીજાની  
રીજનલ ફાયર ઓફીસર  
સુરત

## WE SERVE TO SAVE

પ્રતિ

મુખ્ય અધિકારી શ્રી  
ભરૂચ નગરપાલિકા,  
ભરૂચ.

ઈનવર્ડ નં. ૨૯૭, તા. ૦૭/૧૧/૨૦૧૯

વિષય:- ગુજરાત ફાયર પ્રિવેન્શન એન્ડ લાઈફ સેફ્ટી મેજર એક્ટ -૨૦૧૩ અન્વયે અત્રેથી ફક્ત

અભિપ્રાય આપવા બાબત. ( **Provisional - N.O.C** )

સંદર્ભ:- ભરૂચ નગરપાલિકા ના મુખ્ય અધિકારી, ભરૂચ નગરપાલિકા ના પત્ર ક્રમાંક નં ૪૦૮ થી ૪૦૯ તા. ૧૬/૧૦/૨૦૧૯ અરજદાર શ્રી Aarti Industries Limited, Plot No.Z-103/C, SEZ-II, Industrial Estate, Tal. Vagra, GIDC Dahej. Dist: Bharuch (Gujarat). ની અરજી તા. ૧૧/૧૦/૨૦૧૯ની અરજી

સવિનય ઉપરોક્ત વિષય અને સંદર્ભ અન્વયે ના પત્ર અનુસંધાને જણાવવાનું કે ભરૂચ નગરપાલિકા ના મુખ્ય અધિકારી, ભરૂચ નગરપાલિકા ના પત્ર ક્રમાંક નં ૪૦૮ થી ૪૦૯, તા. ૧૬/૧૦/૨૦૧૯ અરજદાર શ્રી Aarti Industries Limited, Plot No.Z-103/C, SEZ-II, Industrial Estate, Tal. Vagra, GIDC Dahej. Dist: Bharuch (Gujarat). આવેલ હોય જે ગુજરાત ફાયર પ્રિવેન્શન એન્ડ લાઈફ સેફ્ટી મેજર એક્ટ -૨૦૧૩ નાં જુડીસીઆર (૨૦૨૧) નાં ઉલ્લેખીત નિયમો મુજબ અત્રેનાં ફાયર પ્રિવેન્શન અને પ્રોટેક્શન મુજબ નો અભિપ્રાય માંગેલ છે.

જેમા નીચેના કોષ્ટક મુજબ ની જોગવાઈ હોવી જરૂરી છે. તેમજ ઇનસ્ટોલ કર્યા બાદ ચાલુ હાલતમાં હોવી જાઈએ.

અનુ નં	વિગત
૧	ફાયર હાઈડ્રન્ટ સીસ્ટમ હોઝ બોક્ષ હોઝ રીલ સાથે પ્રીમાઈસીસ એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઈએ
૨	એ.બી.સી. ૬.૦૦ કે.જી. ફાયર એક્સ્ટીંગ્યુશન પ્રીમાઈસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઈએ
૩	સી.ઓ.ટુ.૪.૫ કે.જી. ફાયર એક્સ્ટીંગ્યુશન પ્રીમાઈસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઈએ
૪	મેઈન ઇલેક્ટ્રીકલ ફાયર પંપ, જેકી પંપ અને ડીઝલ પંપ હોવો જોઈએ
૫	AFFF ફોમ સોલ્યુશન ૩૦૦૦ લીટર અને ફોમ મેકીંગ બાંચ હોવું જોઈએ
૬	બી.એ.સેટ તેમજ કાસકેડ સીસ્ટમ હોવી જોઈએ.
૭	ઓછામાં ઓછી ૩ કલાક ફાયર ફાઈટીંગ થાય તે મુજબ ફાયર ફાઈટીંગ માટે પાણી ની સુવિધા હોવી જોઈએ.
૮	ફોર વે ફાયર બ્રીગેડ ઇનલેટ હોવું જોઈએ
૯	ટૅક ફાર્મ એરીયા ની ફરતે તેમજ પ્રોસેસ ઇમારત ની ફરતે વોટર કમ ફોમ મોનીટર તેમજ ડી.વી.સીસ્ટમ હોવું જોઈએ.
૧૦	વેર હાઉસ એરીયા માં સ્પ્રીન્કલર હોવા જોઈએ
૧૧	એન્ટ્રી તેમજ એક્ઝીટ અલગ અલગ હોવી જોઈએ.
૧૨	ફેક્ટરી એક્ટ મુજબ સુરક્ષા ના નિતી નિયમોનું પાલન કરવા નું રહેશે.
૧૩	વધુમાં સરકાર શ્રી તરફથી નિયમોમાં ફેરફાર કરવામાં આવે તો તેનું સમયસર પાલન કરવાનું રહેશે.

આ પત્ર ફક્ત કામચલાઉ (પ્રોવીઝનલ) ધોરણે અમારા તરફથી આપવામાં આવે છે

સંપૂર્ણ ફેક્ટરી માં ફાયર સેફ્ટી અને પ્રોટેક્શન ઇકવીપમેન્ટ કાયમી ધોરણે ફીક્સ લગાડવા બાદજ આપના તરફથી અમારા વિભાગને જાણ કર્યા બાદ ફાયર ફાઈટીંગ સુવિધા નું ઇન્સપેક્શન કર્યા બાદ એન.ઓ.સી.આપવા માં આવશે.

જાવકનં/અભિપ્રાય નં. ૨૪૫૮  
તા. ૧૮/૧૧/૨૦૧૯

ડી.એચ. માખીજાની  
રીજનલ ફાયર ઓફીસર  
સુરત





**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-001	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-001	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/001
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	27/04/2024	Date of Testing	29/04/2024
Stack Sampling Attached to	<b>D.G. Set - 1 (2000 KVA)</b>		
Fuel Used	<b>Diesel</b>		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	<b>Stack Monitoring Kit, VSS1</b>	Serial Number	<b>126 DTG 2018</b>
Calibration Date	<b>21/06/2023</b>	Next Calibration Due On	<b>20/06/2024</b>

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	34
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	10.5
7.	Exit Gas Flow	Nm <sup>3</sup> /h	223.5

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	75	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	21	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	34	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	<b>**</b>	GC Method

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

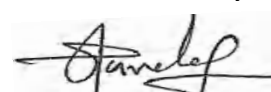
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



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

**TEST REPORT  
(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-002	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-002	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/002
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	27/04/2024	Date of Testing	29/04/2024
Stack Sampling Attached to	<b>D.G. Set - 2 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	<b>UERL-D/AIR/SMK/01</b>		
Instrument Name	<b>Stack Monitoring Kit, VSS1</b>	Serial Number	<b>126 DTG 2018</b>
Calibration Date	<b>21/06/2023</b>	Next Calibration Due On	<b>20/06/2024</b>

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	34
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm <sup>3</sup> /h	232.2

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	79	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	23	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	36	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	3.1	<b>**</b>	GC Method

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

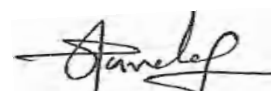
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



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

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/04/AIL-2/S-003	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-003	Service Request Date	27/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/003
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	27/04/2024	Date of Testing	29/04/2024
Stack Sampling Attached to	<b>D.G. Set - 3 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	34
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm <sup>3</sup> /h	241.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	24	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.6	**	GC Method

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

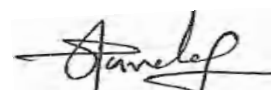
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-001	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	31/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/001
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	31/07/2024	Date of Testing	01/08/2024
Stack Sampling Attached to	<b>D.G. Set - 1 (2000 KVA)</b>		
Fuel Used	<b>Diesel</b>		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

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

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm <sup>3</sup> /h	237.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	80	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	24	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	38	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	3.3	<b>**</b>	GC Method

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

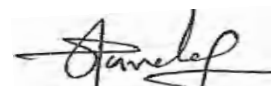
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



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



**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-002	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-002	Service Request Date	31/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/002
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	31/07/2024	Date of Testing	01/08/2024
Stack Sampling Attached to	<b>D.G. Set - 2 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

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

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm <sup>3</sup> /h	234.6

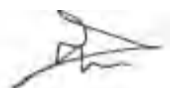
➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	75	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	22	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	36	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	3.3	<b>**</b>	GC Method

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

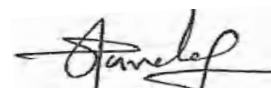
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/07/AIL-2/S-003	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/07/S-003	Service Request Date	31/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/003
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	31/07/2024	Date of Testing	01/08/2024
Stack Sampling Attached to	<b>D.G. Set - 3 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm <sup>3</sup> /h	237.3


➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	70	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

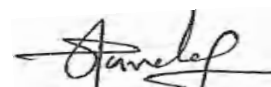
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



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

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/08/AIL-2/S-001	Report Issue Date	05/09/2024
Service Request form No.	UERL/AIR/D/SRF/08/S-001	Service Request Date	30/08/2024
Sample ID No.	UERL/AIR/D/ID/S-24/08/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/08/001
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	30/08/2024	Date of Testing	31/08/2024
Stack Sampling Attached to	<b>D.G. Set - 1 (2000 KVA)</b>		
Fuel Used	<b>Diesel</b>		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

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

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	29
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm <sup>3</sup> /h	228

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	76	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	22	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	35	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	<b>**</b>	GC Method

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

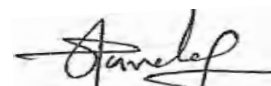
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/08/AIL-2/S-002	Report Issue Date	05/09/2024
Service Request form No.	UERL/AIR/D/SRF/08/S-002	Service Request Date	30/08/2024
Sample ID No.	UERL/AIR/D/ID/S-24/08/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/08/002
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	30/08/2024	Date of Testing	31/08/2024
Stack Sampling Attached to	<b>D.G. Set - 2 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

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

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	29
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm <sup>3</sup> /h	240.4

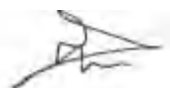
➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	72	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	20	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	33	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	3.1	<b>**</b>	GC Method

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

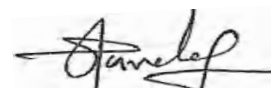
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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



**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/08/AIL-2/S-003	Report Issue Date	05/09/2024
Service Request form No.	UERL/AIR/D/SRF/08/S-003	Service Request Date	30/08/2024
Sample ID No.	UERL/AIR/D/ID/S-24/08/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/08/003
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	30/08/2024	Date of Testing	31/08/2024
Stack Sampling Attached to	<b>D.G. Set - 3 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	29
5.	Flue Gas Temperature	°C	116
6.	Exit Gas Velocity	m/s	10.7
7.	Exit Gas Flow	Nm <sup>3</sup> /h	228.8

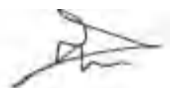
➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	67	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	16	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	32	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.6	**	GC Method

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

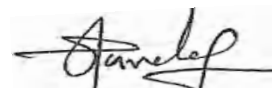
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



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

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-001	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-001	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/001
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/05/2024	Date of Testing	30/05/2024
Stack Sampling Attached to	<b>D.G. Set - 1 (2000 KVA)</b>		
Fuel Used	<b>Diesel</b>		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	<b>Stack Monitoring Kit, VSS1</b>	Serial Number	<b>126 DTG 2018</b>
Calibration Date	<b>21/06/2023</b>	Next Calibration Due On	<b>20/06/2024</b>

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm <sup>3</sup> /h	239.2

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	78	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	18	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	35	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	<b>**</b>	GC Method

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

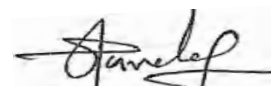
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



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



**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-002	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-002	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/002
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/05/2024	Date of Testing	30/05/2024
Stack Sampling Attached to	<b>D.G. Set - 2 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	<b>UERL-D/AIR/SMK/01</b>		
Instrument Name	<b>Stack Monitoring Kit, VSS1</b>	Serial Number	<b>126 DTG 2018</b>
Calibration Date	<b>21/06/2023</b>	Next Calibration Due On	<b>20/06/2024</b>

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	10.5
7.	Exit Gas Flow	Nm <sup>3</sup> /h	224.6

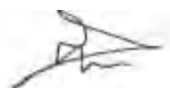
➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	81	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	20	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	38	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	3.5	<b>**</b>	GC Method

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

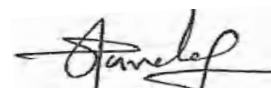
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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

**TEST REPORT  
(STACK MONITORING)**

Test Report No.	UERL/24/05/AIL-2/S-003	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-003	Service Request Date	29/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/003
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	29/05/2024	Date of Testing	30/05/2024
Stack Sampling Attached to	<b>D.G. Set - 3 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	34
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm <sup>3</sup> /h	241.1

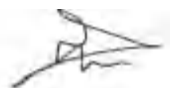
➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	76	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	22	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	36	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	<b>**</b>	GC Method

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

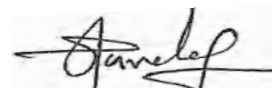
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-001	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/001
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	28/06/2024	Date of Testing	29/06/2024
Stack Sampling Attached to	<b>D.G. Set - 1 (2000 KVA)</b>		
Fuel Used	<b>Diesel</b>		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

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

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	119
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm <sup>3</sup> /h	232.4

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	75	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	16	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	33	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	<b>**</b>	GC Method

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

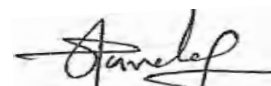
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-002	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-002	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/002
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	28/06/2024	Date of Testing	29/06/2024
Stack Sampling Attached to	<b>D.G. Set - 2 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

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

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.3
7.	Exit Gas Flow	Nm <sup>3</sup> /h	220.0

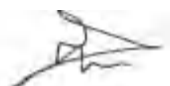
➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	78	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	19	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	36	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	3.1	<b>**</b>	GC Method

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

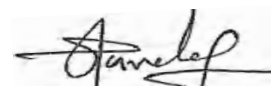
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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



**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/06/AIL-2/S-003	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-003	Service Request Date	28/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/003
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	28/06/2024	Date of Testing	29/06/2024
Stack Sampling Attached to	<b>D.G. Set - 3 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	117
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm <sup>3</sup> /h	235.8

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	73	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	34	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

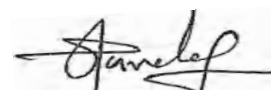
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



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

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/09/AIL-2/S-001	Report Issue Date	05/10/2024
Service Request form No.	UERL/AIR/D/SRF/09/S-001	Service Request Date	13/09/2024
Sample ID No.	UERL/AIR/D/ID/S-24/09/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/09/001
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	13/09/2024	Date of Testing	14/09/2024
Stack Sampling Attached to	<b>D.G. Set - 1 (2000 KVA)</b>		
Fuel Used	<b>Diesel</b>		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

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

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm <sup>3</sup> /h	235.3

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	74	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	20	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	37	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	<b>**</b>	GC Method

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

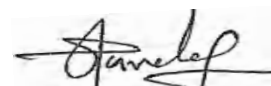
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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



**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/09/AIL-2/S-002	Report Issue Date	05/10/2024
Service Request form No.	UERL/AIR/D/SRF/09/S-002	Service Request Date	13/09/2024
Sample ID No.	UERL/AIR/D/ID/S-24/09/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/09/002
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	13/09/2024	Date of Testing	14/09/2024
Stack Sampling Attached to	<b>D.G. Set - 2 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

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

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm <sup>3</sup> /h	235.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	75	<b>150</b>	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	22	<b>100</b>	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	38	<b>50</b>	IS 11255(Part 7)
4.	TVOCs	ppm	3.1	<b>**</b>	GC Method

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

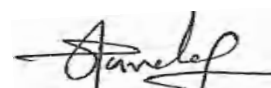
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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

**TEST REPORT**  
**(STACK MONITORING)**

Test Report No.	UERL/24/09/AIL-2/S-003	Report Issue Date	05/10/2024
Service Request form No.	UERL/AIR/D/SRF/09/S-003	Service Request Date	13/09/2024
Sample ID No.	UERL/AIR/D/ID/S-24/09/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/09/003
Name & Address of Customer	<b>M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND)</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	13/09/2024	Date of Testing	14/09/2024
Stack Sampling Attached to	<b>D.G. Set - 3 (2000 KVA)</b>		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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	33
2.	Stack Dia	mm	100
3.	Stack Area	m <sup>2</sup>	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm <sup>3</sup> /h	231.9


➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm <sup>3</sup>	72	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO <sub>2</sub> )	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO <sub>x</sub> )	ppm	34	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

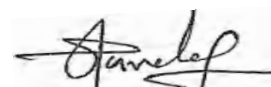
\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**



**Nikunj D. Patel**  
(Chemist)

**Authorized By:**



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

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

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

Test Report No. UERL/24/06/WAM-AIL-U2-001

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

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

Name of the Department / Plant: - ETP Plant.

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

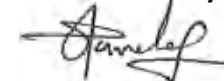
Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	Total Dust (mg/m <sup>3</sup> )	Handy Sampler	01	0.122	0.122	10 mg/m <sup>3</sup>	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U2-001

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

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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	<b>Total Dust (mg/m<sup>3</sup>)</b>	Handy Sampler	01	0.122	0.122	10 mg/m <sup>3</sup>	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/04/WAM-AIL-U2-001

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

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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 27/04/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	<b>Total Dust (mg/m<sup>3</sup>)</b>	Handy Sampler	01	0.16	0.16	10 mg/m <sup>3</sup>	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

### TEST REPORT

ULR No.	--	Report No.	URC /24/06/L-0026
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-II DIAMOND) PLOT NO. Z-103/C, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	05/06/2024
		Customer's Ref.	--
Sample Details	Soil Sample	Location	ETP Area
Sample Qty.	1 kg.	Appearance	Brown Colour
Sampling Date	31/05/2024	Sample Received Date	01/06/2024
Test Started Date	01/06/2024	Test Completion Date	04/06/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/06/L-0026		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Chemical Oxygen Demand (COD)	Open Reflex Method	mg/kg	8088.5
2.	Colour	--	--	Brown
3.	TOC	--	--	3033.2
4.	Ortho Phosphate	--	mg/kg	63.9
5.	Pesticides	USEPA 3540 C-1996 & USEPA 8081 B-2007	µg/kg	Absent
6.	Ammonia	Lab SOP No. UERL/CHM/LTM/70	mg/kg	N.D.
7.	Phosphate	Spectrophotometric Method	mg/kg	132.4

Note: N.D. = Not Detectable,

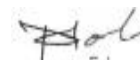
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



Nilesh C. Patel  
(Sr. Chemist)

Authorized By:



Nitin B. Tandel  
(Technical Manager)



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

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

Test Report No. UERL/24/07/WAM-AIL-U2-001

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

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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 30/07/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	Total Dust (mg/m <sup>3</sup> )	Handy Sampler	01	0.115	0.115	10 mg/m <sup>3</sup>	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/09/WAM-AIL-U2-001

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

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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 27/09/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	<b>Total Dust (mg/m<sup>3</sup>)</b>	Handy Sampler	01	0.088	0.088	10 mg/m <sup>3</sup>	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/09/WAM-AIL-U2-002

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

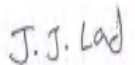
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 27/09/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/09/WAM-AIL-U2-003

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

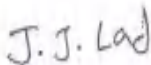
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 30/09/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/09/WAM-AIL-U2-004

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

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

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 27/09/2024

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/09/WAM-AIL-U2-005

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

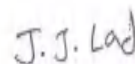
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 30/09/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 <sup>st</sup> Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m <sup>3</sup> )		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m <sup>3</sup>	EPA Method				
3		Sulphur Dioxide (mg/m <sup>3</sup> )		01	0.08	0.08	5 mg/m <sup>3</sup>	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)



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

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

**Test Report No. UERL/24/09/WAM-AIL-U2-006**

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

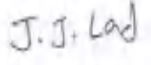
**Adress:** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

**Name of the Department / Plant:** - ETP Plant.

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

**Particulars of sampling:** - Work Place Monitoring.

**Date of Monitoring:** - 27/09/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	<b>Xylene-O (ppm)</b>	Handy Sampler	01	1.2	1.2	<b>100 ppm</b>	GC Method	15	All Process Activities are running.		<b>JITEN LAD</b>

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

**Authorized By:**



**Jaivik S. Tandel**

(Manager - Operations)

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

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

Test Report No. UERL/24/07/WAM-AIL-U2-002

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

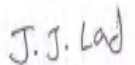
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 30/07/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/07/WAM-AIL-U2-003

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

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

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 30/07/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/07/WAM-AIL-U2-004

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

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

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 31/07/2024

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/07/WAM-AIL-U2-005

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

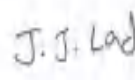
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 31/07/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 <sup>st</sup> Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m <sup>3</sup> )		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m <sup>3</sup>	EPA Method				
3		Sulphur Dioxide (mg/m <sup>3</sup> )		01	0.07	0.07	5 mg/m <sup>3</sup>	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

**Test Report No. UERL/24/07/WAM-AIL-U2-006**

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

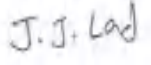
**Adress:** Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

**Name of the Department / Plant:** - ETP Plant.

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

**Particulars of sampling:** - Work Place Monitoring.

**Date of Monitoring:** - 31/07/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	<b>Xylene-O (ppm)</b>	Handy Sampler	01	2.2	2.2	<b>100 ppm</b>	GC Method	15	All Process Activities are running.		<b>JITEN LAD</b>

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

**Authorized By:**



**Jaivik S. Tandel**

(Manager - Operations)



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

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

Test Report No. UERL/24/05/WAM-AIL-U2-001

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

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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 29/05/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	<b>Total Dust (mg/m<sup>3</sup>)</b>	Handy Sampler	01	0.15	0.15	10 mg/m <sup>3</sup>	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/05/WAM-AIL-U2-002

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

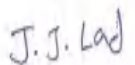
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 29/05/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/05/WAM-AIL-U2-003

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

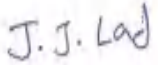
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 29/05/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/05/WAM-AIL-U2-004

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

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

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 29/05/2024

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/05/WAM-AIL-U2-005

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

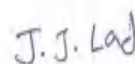
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 29/05/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 <sup>st</sup> Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m <sup>3</sup> )		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m <sup>3</sup>	EPA Method				
3		Sulphur Dioxide (mg/m <sup>3</sup> )		01	0.064	0.064	5 mg/m <sup>3</sup>	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/05/WAM-AIL-U2-006

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

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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 29/05/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene-O (ppm)	Handy Sampler	01	1.5	1.5	100 ppm	GC Method	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)



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

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

Test Report No. UERL/24/04/WAM-AIL-U2-002

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

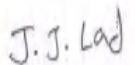
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 27/04/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/04/WAM-AIL-U2-003

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

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

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 27/04/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/04/WAM-AIL-U2-004

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

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

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 27/04/2024

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/04/WAM-AIL-U2-005

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

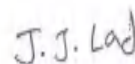
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 27/04/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 <sup>st</sup> Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m <sup>3</sup> )		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m <sup>3</sup>	EPA Method				
3		Sulphur Dioxide (mg/m <sup>3</sup> )		01	0.064	0.064	5 mg/m <sup>3</sup>	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/04/WAM-AIL-U2-006

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

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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 27/04/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene-O (ppm)	Handy Sampler	01	0.8	0.8	100 ppm	GC Method	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U2-002

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

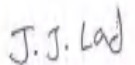
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)



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

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

Test Report No. UERL/24/06/WAM-AIL-U2-003

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

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

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U2-004

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

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

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U2-005

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

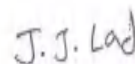
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 <sup>st</sup> Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m <sup>3</sup> )		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m <sup>3</sup>	EPA Method				
3		Sulphur Dioxide (mg/m <sup>3</sup> )		01	0.07	0.07	5 mg/m <sup>3</sup>	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U2-006

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

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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene-O (ppm)	Handy Sampler	01	2.2	2.2	100 ppm	GC Method	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U2-002

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

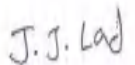
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U2-003

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

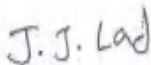
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)



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

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

Test Report No. UERL/24/06/WAM-AIL-U2-004

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

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

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U2-005

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

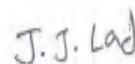
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 <sup>st</sup> Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m <sup>3</sup> )		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m <sup>3</sup>	EPA Method				
3		Sulphur Dioxide (mg/m <sup>3</sup> )		01	0.07	0.07	5 mg/m <sup>3</sup>	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U2-006

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

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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 28/06/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene-O (ppm)	Handy Sampler	01	2.2	2.2	100 ppm	GC Method	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)



Directorate Industrial Safety & Health

सत्यमेव जयते

Directorate Industrial Safety & Health

FORM NO. 4  
(Prescribed under Rules 5)

FORM NO. 4  
License to work a factory  
(Prescribed under Rule 5)

Registration No. 1540/24117/2020  
FIN. S06041555A

License to work a factory

License No. 41555  
D.A. 01-Feb-2020

License is hereby granted to

Mr. Ajay Kumar Gupta

For the premises known as

Aarti Industries Ltd.

situated at

Plot No- Z/103/C SEZ Part-II Dahej

Ta.: Vagra Dist.: Bharuch

for use as a factory within the limits specified in the plan approved by the

Director Industrial Safety & Health, Gujarat State

vide No. 227 Date 31-Jan-2020 subject to provisions of the

Factories Act, 1948 and the Rules made thereunder.

The license is issued for:

- Maximum Number of workers to be employed on any day during the Year : \*\*1,000\*\*
- Maximum installed power in B.H.P. on any day during the year : \*\*5,000\*\*

The license is valid up to 31st December 2024.

Fees paid Rs. 63,000.00

Fees due Rs. 63,000.00

Excess Rs. 0.00

Place : Bharuch

Date : 06-Nov-2023



Signature valid

Digitally signed by VASANT DIPAKKUMAR  
KANTILAL  
Date: 2023.11.06 10:27:12 IST  
Reason: Approval  
Location: Bharuch

Deputy Director

Industrial Safety and Health

Bharuch

105799

**TEST REPORT**  
**AMBIENT NOISE LEVEL MONITORING REPORT**

Test Report No.:	UERL/24/04/AIL-2/N-001	Date of Report:	03/05/2024
Name & Address of Industries	<b>M/s Aarti Industries Ltd (Unit-2 Diamond).</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	<b>Ambient Noise</b>		
Sampling Method	<b>IS: 9989 : 1981.</b>		

➤ **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:** 27/04/2024


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	55.3	<b>75 dB (A)</b>	<b>70 dB (A)</b>
2.	New D.G. Set	70.6	52.1	<b>75 dB (A)</b>	<b>70 dB (A)</b>
3.	Near Main Gate	62.4	48.3	<b>75 dB (A)</b>	<b>70 dB (A)</b>
4.	Near DCA Plant	66.2	58.5	<b>75 dB (A)</b>	<b>70 dB (A)</b>
5.	Near Material Gate	61.5	49.2	<b>75 dB (A)</b>	<b>70 dB (A)</b>

**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)



### TEST REPORT

#### AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/24/04/AIL-2/N-001	Date of Report:	01/06/2024
Name & Address of Industries	<b>M/s Aarti Industries Ltd (Unit-2 Diamond).</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	<b>Ambient Noise</b>		
Sampling Method	<b>IS: 9989 : 1981.</b>		

#### ➤ 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: 29/05/2024

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	70.2	53.2	75 dB (A)	70 dB (A)
2.	New D.G. Set	72.1	55.4	75 dB (A)	70 dB (A)
3.	Near Main Gate	63.4	51.1	75 dB (A)	70 dB (A)
4.	Near DCA Plant	67.2	59.1	75 dB (A)	70 dB (A)
5.	Near Material Gate	63.1	50.2	75 dB (A)	70 dB (A)

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

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

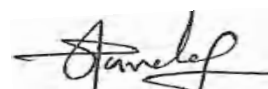
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



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



### TEST REPORT

#### AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/24/07/AIL-2/N-001	Date of Report:	05/08/2024
Name & Address of Industries	<b>M/s Aarti Industries Ltd (Unit-2 Diamond).</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	<b>Ambient Noise</b>		
Sampling Method	<b>IS: 9989 : 1981.</b>		

#### ➤ 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: 31/01/2024

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	70.5	55.2	75 dB (A)	70 dB (A)
2.	New D.G. Set	69.2	58.1	75 dB (A)	70 dB (A)
3.	Near Main Gate	62.1	51.5	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.3	58.4	75 dB (A)	70 dB (A)
5.	Near Material Gate	62.5	51.2	75 dB (A)	70 dB (A)

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

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

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

Checked By:

  
**Nikunj D. Patel**  
(Chemist)

Authorized By:

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

### TEST REPORT

#### AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/24/08/AIL-2/N-001	Date of Report:	05/09/2024
Name & Address of Industries	<b>M/s Aarti Industries Ltd (Unit-2 Diamond).</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	<b>Ambient Noise</b>		
Sampling Method	<b>IS: 9989 : 1981.</b>		

#### ➤ 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: 29/08/2024

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	68.6	54.2	75 dB (A)	70 dB (A)
2.	New D.G. Set	67.3	56.3	75 dB (A)	70 dB (A)
3.	Near Main Gate	59.7	50.4	75 dB (A)	70 dB (A)
4.	Near DCA Plant	66.2	57.3	75 dB (A)	70 dB (A)
5.	Near Material Gate	60.8	50.5	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

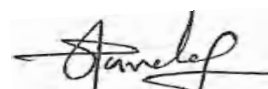
\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Authorized By:



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

# 3.0 NOISE LEVEL MONITORING REPORT



**Period: June – 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](mailto:response@uerl.in) Website : [www.uerl.in](http://www.uerl.in)

MoEF&CC (GOI) Recognized Environmental  
Laboratory under the EPA-1986 (31.03.2023 to 22.09.2024)

QCI-NABET Accredited EA & GW  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-II)

ISO 9001 : 2015  
Certified Company

ISO 45001 : 2018  
Certified Company

# 3.0 NOISE LEVEL MONITORING REPORT



**Period: September – 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/24/09/AIL-2/N-001	Date of Report:	05/10/2024
Name & Address of Industries	<b>M/s Aarti Industries Ltd (Unit-2 Diamond).</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	<b>Ambient Noise</b>		
Sampling Method	<b>IS: 9989 : 1981.</b>		

#### ➤ 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: 13/09/2024

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	68.9	53.1	75 dB (A)	70 dB (A)
2.	New D.G. Set	70.2	52.4	75 dB (A)	70 dB (A)
3.	Near Main Gate	62.2	53.5	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.5	52.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	62.4	51.3	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)

### TEST REPORT

#### AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UURL/24/06/AIL-2/N-001	Date of Report:	01/07/2024
Name & Address of Industries	<b>M/s Aarti Industries Ltd (Unit-2 Diamond).</b> Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	<b>Ambient Noise</b>		
Sampling Method	<b>IS: 9989 : 1981.</b>		

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

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

Date of Monitoring: 28/06/2024

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	72.3	54.2	75 dB (A)	70 dB (A)
2.	New D.G. Set	70.3	59.5	75 dB (A)	70 dB (A)
3.	Near Main Gate	65.5	52.3	75 dB (A)	70 dB (A)
4.	Near DCA Plant	66.2	60.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	65.4	53.1	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)



**BEIL INFRASTRUCTURE LIMITED**

(Formerly Known As Bharuch Enviro Infrastructure Limited)

Ref. BEIL/ANK/2024

23<sup>RD</sup> 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)**

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](mailto:marketing@rs-pl.com) for any Query or clarification.

Thanking You.

Yours Faithfully,

**For Recycling Solutions Pvt. Ltd**



**Authorized Signatory**

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

[www.aarti-industries.com](http://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/C, 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 : 022-2585 3234 | E : [info@aarti-industries.com](mailto:info@aarti-industries.com)

### Details of Fire Extinguishers

SR NO	TYPE	CAPACITY	PLANT	LOCATION	EXTINGUISHER NO	EXTINGUISHER SR-NO
1	M.FOAM	9 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/01	00989
2	M.FOAM	9 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/02	03990
3	M.FOAM	9 LITRE	DCA PLANT	FIRST FLOOR	DCA/FF/03	03644
4	M.FOAM	9 LITRE	DCA PLANT	FIRST FLOOR	DCA/FF/04	04011
5	M.FOAM	9 LITRE	DCA PLANT	SECOND FLOOR	DCA/SF/05	04163
6	M.FOAM	9 LITRE	DCA PLANT	SECOND FLOOR	DCA/SF/06	04001
7	M.FOAM	9 LITRE	DCA PLANT	THIRD FLOOR	DCA/TF/07	04024
8	M.FOAM	9 LITRE	DCA PLANT	THIRD FLOOR	DCA/TF/08	00993
9	M.FOAM	9 LITRE	DCA PLANT	FOURTH FLOOR	DCA/4TH-F/09	04029
10	M.FOAM	9 LITRE	DCA PLANT	FOURTH FLOOR	DCA/4TH-F/10	04164
11	M.FOAM	9 LITRE	DCA PLANT	FIFTH FLOOR	DCA/5TH-F/11	04300
12	M.FOAM	9 LITRE	DCA PLANT	FIFTH FLOOR	DCA/5TH-F/12	04003
13	M.FOAM	9 LITRE	DCA PLANT	SIXTH FLOOR	DCA/6TH-F/13	04161
14	M.FOAM	9 LITRE	ETP - 02	GROUND FLOOR	ETP.02/GF/14	02231
15	M.FOAM	9 LITRE	ETP - 02	FIRST FLOOR	ETP.02/FF/15	00990
16	M.FOAM	9 LITRE	ETP - 02	SECOND FLOOR	ETP.02/SF/16	00991
17	M.FOAM	9 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/17	996

18	M.FOAM	9 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/18	4019
19	M.FOAM	9 LITRE	DCP PLANT	FIRST FLOOR	DCP/FF/19	04023
20	M.FOAM	9 LITRE	DCP PLANT	FIRST FLOOR	DCP/FF/20	00988
21	M.FOAM	9 LITRE	DCP PLANT	SECOND FLOOR	DCP/SF/21	4294
22	M.FOAM	9 LITRE	DCP PLANT	SECOND FLOOR	DCP/SF/22	4296
23	M.FOAM	9 LITRE	DCP PLANT	THIRD FLOOR	DCP/TF/23	04165
24	M.FOAM	9 LITRE	DCP PLANT	THIRD FLOOR	DCP/TF/24	03991
25	M.FOAM	9 LITRE	INSTRUMENT SHEAD	GROUND FLOOR	INST/SHEAD/25	04293
26	M.FOAM	60 LITRE	RM WAREHOUSE	GROUND FLOOR	RM/GF/26	Not Available
27	M.FOAM	60 LITRE	HAZARDOUS WASTE	GROUND FLOOR	H.WASTE/27	Not Available
28	M.FOAM	9 LITRE	CR PLANT	SECOND FLOOR	CR/SF/28	4295
29	M.FOAM	9 LITRE	CR PLANT	SECOND FLOOR	CR/SF/29	4299
30	M.FOAM	9 LITRE	CR PLANT	GROUND FLOOR	CR/GF/30	03998
31	M.FOAM	9 LITRE	CR PLANT	GROUND FLOOR	CR/GF/31	4301
32	M.FOAM	9 LITRE	F.W.P.H.	F.W.P.H.	F.W.P.H./32	4297
33	M.FOAM	9 LITRE	NSA TANK FARM	NORTH SIDE	NSA/T.FARM/33	3993
34	M.FOAM	9 LITRE	NSA TANK FARM	SOUTH SIDE	NSA/T.FARM/34	04007
35	M.FOAM	09 LITRE	SULFUR YARD	SULFUR YARD	SULFUR YARD/35	03996
36	M.FOAM	9 LITRE	SULFUR YARD	SULFUR YARD	SULFUR YARD/36	3992

37	M.FOAM	9 LITRE	ETP - 01	GROUND FLOOR	ETP.01/GF/37	N/A
38	M.FOAM	9 LITRE	PHENOL BUILDING	GROUND FLOOR	PHENOL/GF/41	04160
39	M.FOAM	9 LITRE	PHENOL BUILDING	FIRST FLOOR	PHENOL/FF/42	02229
40	M.FOAM	9 LITRE	PHENOL BUILDING	SECOND FLOOR	PHENOL/SF/43	4302
41	M.FOAM	60 LITRE	METHANOL TANK	GROUND FLOOR	METH.TANK/44	Not Available
42	M.FOAM	60 LITRE	TANK FARM -02	WEST SIDE	T.FARM-02/45	Not Available
43	M.FOAM	60 LITRE	TANK FARM -02	NORTH SIDE	T.FARM-02/46	Not Available
44	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/52	Not Available
45	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/53	Not Available
46	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/54	Not Available
47	M.FOAM	60 LITRE	TANK FARM -01	WEST SIDE	T.FARM-01/55	Not Available
48	M.FOAM	60 LITRE	TANK FARM -01	NORTH SIDE	T.FARM-01/56	Not Available
49	M.FOAM	60 LITRE	NSA PLANT	GROUND FLOOR	NSA/GF/60	Not Available
50	M.FOAM	60 LITRE	NSA PLANT	GROUND FLOOR	NSA/GF/61	Not Available
51	M.FOAM	09 LITRE	NSA PLANT	FIRST FLOOR	NSA/FF/62	04159
52	M.FOAM	09 LITRE	NSA PLANT	FIRST FLOOR	NSA/FF/63	04002
53	M.FOAM	09 LITRE	MCC BUILDING	TERRACE AREA	MCC.TERRACE/64	02230
54	M.FOAM	09 LITRE	LAB	THIRD FLOOR	HPLC/LAB/65	00987
55	M.FOAM	09 LITRE	LAB	THIRD FLOOR	CHEM.STORE/66	04022



56	M.FOAM	09 LITRE	LAB	THIRD FLOOR	CONTROL.SAMPLE ROOM/67	03986
57	M.FOAM	09 LITRE	LAB	THIRD FLOOR	R&D/68	00982
58	M.FOAM	09 LITRE	MCC BUILDING	THIRD FLOOR	QC/CYLINDER /69	02224
59	M.FOAM	09 LITRE	MEE PLANT	GROUND FLOOR	MEE/GF/71	04162
60	M.FOAM	60 LITRE	NSA TANK FARM	GROUND FLOOR	NSA/T.F/72	Not Available
61	M.FOAM	60 LITRE	PHENOL BUILDING	GROUND FLOOR	PHENOL/GF/73	Not Available
62	M.FOAM	60 LITRE	CR PLANT	GROUND FLOOR	CR/GF/74	Not Available
63	M.FOAM	60 LITRE	METHANOL RECOVERY TANK	GROUND FLOOR	METHANOL RECOVERY TANK/GF/75	Not Available
64	M.FOAM	60 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/76	Not Available
65	M.FOAM	60 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/77	Not Available
66	M.FOAM	60 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/78	Not Available
67	M.FOAM	60 LITRE	CR PUMP AREA	GROUND FLOOR	CR/GF/80	Not Available
68	M.FOAM	60 LITRE	SULFUR YARD	WEST SIDE	SULFUR.Y /81	Not Available
69	M.FOAM	06 LITRE	NEAR ISO T/F	OIL DRUM SHADE	OIL DRUM SHADE/82	00026
70	M.FOAM	06 LITRE	NEAR ISO T/F	OIL DRUM SHADE	OIL DRUM SHADE/83	00040

CO2 Type Fire Extinguishers -

<b>SR. NO .</b>	<b>TYPE OF FIRE EXTINGUISHER</b>	<b>CAP ACI TY</b>	<b>PLANT</b>	<b>EXTINGUISHER NO</b>	<b>LOCATION</b>	<b>EXTINGUISHER SR NO</b>
<b>1</b>	<b>CO2</b>	<b>9 KG</b>	<b>HT ROOM</b>	<b>HT ROOM/GF /01</b>	<b>GROUND FLOOR</b>	<b>00984</b>
<b>2</b>	<b>CO2</b>	<b>9 KG</b>	<b>HT ROOM</b>	<b>HT ROOM/GF /02</b>	<b>GROUND FLOOR</b>	<b>00986</b>
<b>3</b>	<b>CO2</b>	<b>9 KG</b>	<b>HT ROOM</b>	<b>HT ROOM/FF /03</b>	<b>FIRST FLOOR</b>	<b>00335</b>
<b>4</b>	<b>CO2</b>	<b>9 KG</b>	<b>HT ROOM</b>	<b>HT ROOM/FF /04</b>	<b>FIRST FLOOR</b>	<b>00333</b>
<b>5</b>	<b>CO2</b>	<b>9 KG</b>	<b>MCC BUILDING</b>	<b>MCC.DG/ GF/08</b>	<b>DG SET AREA</b>	<b>00338</b>
<b>6</b>	<b>CO2</b>	<b>9 KG</b>	<b>MCC BUILDING</b>	<b>MCC.DG/ GF/09</b>	<b>DG SET AREA</b>	<b>00981</b>
<b>7</b>	<b>CO2</b>	<b>9 KG</b>	<b>MCC BUILDING</b>	<b>MCC.DG/ GF/10</b>	<b>DG SET AREA</b>	<b>00340</b>
<b>8</b>	<b>CO2</b>	<b>9 KG</b>	<b>MCC BUILDING</b>	<b>MCC/GF/1 1</b>	<b>GROUND FLOOR CABLE CELLAR ROOM</b>	<b>00979</b>
<b>9</b>	<b>CO2</b>	<b>9 KG</b>	<b>MCC BUILDING</b>	<b>MCC/GF/1 2</b>	<b>GROUND FLOOR CABLE CELLAR ROOM</b>	<b>00977</b>
<b>10</b>	<b>CO2</b>	<b>9 KG</b>	<b>MCC BUILDING</b>	<b>MCC/FF/1 3</b>	<b>FIRST FLOOR PENAL ROOM</b>	<b>00978</b>

11	CO2	9 KG	MCC BUILDING	MCC/FF/1 4	FIRST FLOOR PENAL ROOM	00983
12	CO2	9 KG	MCC BUILDING	MCC/SF/1 5	SECOND FLOOR DCS ROOM	00987
13	CO2	9 KG	MCC BUILDING	MCC/SF/1 6	SECOND FLOOR UPS ROOM	00985
14	CO2	9 KG	MCC BUILDING	MCC/TF/1 7	THIRD FLOOR	00337
15	CO2	4.5 KG	METHANOL TANK	METH.TA NK/18	NORTH SIDE	42514
16	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/1 9	GROUND FLOOR	11285
17	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/2 0	GROUND FLOOR	11287
18	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/2 1	GROUND FLOOR	8770
19	CO2	4.5 KG	ETP C/R FIRST FLOOR	ETP.CR/F F/22	PENAL ROOM	42511
20	CO2	9 KG	ETP C/R FIRST FLOOR	ETP.CR/F F/23	PENAL ROOM	00336
21	CO2	4.5 KG	ETP C/R SECOND FLOOR	ETP.CR/S F/24	LAB	42513
22	CO2	9 KG	ISO MCC ROOM	ISO.MCC/ 25	IN SIDE ROOM	00976
23	CO2	9 KG	F.W.P.H	FWPH/26	IN SIDE FWPH	00980

24	CO2	9 KG	TANK FARM - 2	T.FARM-0 2/27	WEST SIDE	AIL-DI A-ND-0 1
25	CO2	9 KG	MCC BUILDING	TR/GF-02/ 28	WEST SIDE	00342/I NVISIB LE
26	CO2	9 KG	ETP-01	ETP-01/G F/29	IN SIDE ETP-01	00339
27	CO2	4.5 KG	PHENOL BUILDING	PHENOL/ GF/30	IN SIDE PHENOL PLANT	11281
28	CO2	4.5 KG	LAB	PANEL ROOM/31	IN SIDE LAB PANEL ROOM	11286
29	CO2	4.5 KG	LAB	LAB/PAN TRY/33	PANTRY OUTSIDE	11277
30	CO2	4.5 KG	LAB	LAB/OFFI CE/34	IN SIDE LAB OFFICE	11284
31	CO2	4.5 KG	LAB	LAB/HPL C/35	IN SIDE LAB	42510
32	CO2	4.5 KG	LAB	LAB/GC/3 6	IN SIDE LAB	11283
33	CO2	4.5 KG	LAB	LAB/R&D/ 37	IN SIDE LAB	11279
34	CO2	4.5 KG	LAB	LAB/WET/ 38	IN SIDE LAB	-
35	CO2	9 KG	COOLING TOWER	COOLING TOWER/3 9	GROUND FLOOR	00982
36	CO2	4.5 KG	MCC BUILDING	MCC.TER RACE/40	TERRACE AREA NEAR PENAL	10554
37	CO2	4.5 KG	CR	CR/GF/41	GROUND FLOOR	42509
38	CO2	4.5 KG	CR	CR/GF/42	GROUND FLOOR	42512

39	CO2	22.5 KG	FIRE TENDER	F/T	LOCKER NO - 03	26476
40	CO2	22.5 KG	FIRE TENDER	F/T	LOCKER NO - 04	26480
43	CO2	4.5 KG	F.W.P.H	FWPH/43	IN SIDE FWPH	42508
44	CO2	4.5 KG	DCP	DCP/GF/4 4	DCP/EAST SIDE	8770
45	CO2	4.5 KG	DCP	DCP/GF/4 5	DCP/EAST SIDE	8769
46	CO2	4.5 KG	ADMIN	ADM/FF/5 0	PANEL ROOM	31511
47	CO2	4.5 KG	ADMIN	ADM/FF/5 1	PANEL ROOM	25221
48	CO2	4.5 KG	ADMIN	ADM/SF/5 2	PANEL ROOM	11288
49	CO2	4.5 KG	ADMIN	ADM/SF/5 3	PANEL ROOM	25224
50	CO2	9 KG	ETP-01	ETP-01/G F/54	IN SIDE ETP-01	00341
51	CO2	4.5 KG	PARKING AREA	PARKING- 55	IN SIDE PARKING MAIN GATE	25214
52	CO2	4.5 KG	PARKING AREA	PARKING- 56	IN SIDE PARKING MAIN GATE	31509
53	CO2	4.5 KG	ISO MCC ROOM	ISO MCC ROOM/FF /57	IN SIDE PANEL ROOM	25220
54	CO2	4.5 KG	ISO MCC ROOM/	ISO MCC ROOM/FF /58	IN SIDE PANEL ROOM	25217
55	CO2	4.5 KG	FIRE STATION	FIRE STATION G/F 59	FIRE STATION G/F	25216

56	CO2	4.5 KG	ADMIN	INST.W.S/ 60	INST.W.S	31512
57	CO2	4.5 KG	DIAMOND	VW.SHOP /61	VISHAL WORKSHOP	25211
58	CO2	4.5 KG	FIRE STATION	FIRE.S/FF /62	FIRE STATION	25218
59	CO2	4.5 KG	DIAMOND	E&I CONT. W.S/63	WORKSHOP	31510
60	CO2	4.5 KG	ADMIN	ADM/64	TERRACE	25205
61	CO2	4.5 KG	QC LAB	HPLC / 65	IN SIDE LAB	31513
62	CO2	4.5 KG	OHC PENAL	OHC PANEL / 66	PANEL ROOM	-
65	CO2	4.5 KG	FWPH TERRACE AREA	FWPH / 69	FWPH SOLAR PENAL	-----
66	CO2	4.5 KG	FWPH TERRACE AREA	FWPH / 70	FWPH SOLAR PENAL	



<b>SR NO</b>	<b>TYPE</b>	<b>CAP ACIT Y</b>	<b>PLANT</b>	<b>EXTINGUISHER NO</b>	<b>LOCATION</b>	<b>EXTINGUISHER SR NO</b>
1	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/01	OUT SIDE	974
2	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/02	OUT SIDE	6111
3	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/03	OUT SIDE	6135
4	ABC	09 KG	OHC	OHC/04	OUT SIDE	1091
5	ABC	09 KG	MCC BUILDING - G/F	MCC/GF/05	CABLE ROOM	6104
6	ABC	09 KG	MCC BUILDING - G/F	MCC/GF/06	CABLE ROOM	6208
7	ABC	09 KG	MCC BUILDING - F/F	MCC/FF/07	PENAL ROOM	2023
8	ABC	09 KG	MCC BUILDING - F/F	MCC/FF/08	PENAL ROOM	6196
9	ABC	09 KG	MCC BUILDING - S/F	MCC/SF/09	PENAL ROOM	6144
10	ABC	09 KG	MCC BUILDING - S/F	MCC/SF/10	PENAL ROOM	6177

11	ABC	09 KG	MCC BUILDING - T/F	MCC/TF/11	QC R & D LAB	6103
12	ABC	09 KG	DCA PLANT	DCA/GF/12	GROUND FLOOR	00975
13	ABC	09 KG	DCA PLANT	DCA/GF/13	GROUND FLOOR	2043
14	ABC	09 KG	DCA PLANT	DCA/FF/14	FIRST FLOOR	00975
15	ABC	09 KG	DCA PLANT	DCA/FF/15	FIRST FLOOR	6187
16	ABC	09 KG	DCA PLANT	DCA/SF/16	SECOND FLOOR	01084
17	ABC	09 KG	DCA PLANT	DCA/SF/17	SECOND FLOOR	5330
18	ABC	09 KG	DCA PLANT	DCA/TF/18	THIRD FLOOR	6123
19	ABC	09 KG	DCA PLANT	DCA/TF/19	THIRD FLOOR	N/A
20	ABC	09 KG	DCA PLANT	DCA/4TH/20	FORTH FLOOR	1087
21	ABC	09 KG	DCA PLANT	DCA/4TH/21	FORTH FLOOR	06154
22	ABC	09 KG	DCA PLANT	DCA/5TH/22	FIFTH FLOOR	2019
23	ABC	09 KG	DCA PLANT	DCA/5TH/23	FIFTH FLOOR	2032
24	ABC	09 KG	DCA PLANT	DCA/6TH/24	SIXTH FLOOR	06117
25	ABC	09 KG	METHANOL TANK	METH.TANK/2 5	METHANOL TANK	06166
26	ABC	09 KG	METHANOL TANK	METH.TANK/2 6	METHANOL TANK	6116

27	ABC	09 KG	ETP C/R	ETP/CR/GF/27	RM STORE OUTSIDE	2028
28	ABC	09 KG	ETP C/R	ETP/CR/SF/28	SECOND FLOOR	2025
29	ABC	09 KG	ETP - 2	ETP-02/GF/29	GROUND FLOOR	1083
30	ABC	09 KG	ETP - 2	ETP-02/GF/30	GROUND FLOOR	01085
31	ABC	06 KG	ETP - 2	ETP-02/FF/31	FIRST FLOOR	8870
32	ABC	09 KG	DCP PLANT	DCP/GF/32	GROUND FLOOR	06147
33	ABC	09 KG	DCP PLANT	DCP/GF/33	GROUND FLOOR	06127
34	ABC	09 KG	DCP PLANT	DCP/GF/34	GROUND FLOOR	06160
35	ABC	09 KG	DCP PLANT	DCP/GF/35	GROUND FLOOR	06181
36	ABC	09 KG	DCP PLANT	DCP/GF/36	GROUND FLOOR	N/A
37	ABC	09 KG	DCP PLANT	DCP/GF/37	GROUND FLOOR	06114
38	ABC	09 KG	DCP PLANT	DCP/FF/38	FIRST FLOOR	06108
39	ABC	09 KG	DCP PLANT	DCP/FF/39	FIRST FLOOR	06105
40	ABC	09 KG	DCP PLANT	DCP/FF/40	FIRST FLOOR	2033
41	ABC	09 KG	DCP PLANT	DCP/FF/41	FIRST FLOOR	6137
42	ABC	09 KG	DCP PLANT	DCP/FF/42	FIRST FLOOR	42
43	ABC	09 KG	DCP PLANT	DCP/FF/43	FIRST FLOOR	N/A

44	ABC	09 KG	DCP PLANT	DCP/SF/44	SECOND FLOOR	06139
45	ABC	09 KG	DCP PLANT	DCP/SF/45	SECOND FLOOR	06179
46	ABC	09 KG	DCP PLANT	DCP/SF/46	SECOND FLOOR	06161
47	ABC	09 KG	DCP PLANT	DCP/SF/47	SECOND FLOOR	06230
48	ABC	09 KG	DCP PLANT	DCP/SF/48	SECOND FLOOR	06157
49	ABC	09 KG	DCP PLANT	DCP/SF/49	SECOND FLOOR	06182
50	ABC	09 KG	DCP PLANT	DCP/TF/50	THIRD FLOOR	06131
51	ABC	09 KG	DCP PLANT	DCP/TF/51	THIRD FLOOR	6142
52	ABC	09 KG	DCP PLANT	DCP/TF/52	THIRD FLOOR	N/A
53	ABC	09 KG	DCP PLANT	DCP/TF/53	THIRD FLOOR	06126
54	ABC	09 KG	DCP PLANT	DCP/TF/54	THIRD FLOOR	06214
55	ABC	09 KG	DCP PLANT	DCP/TF/55	THIRD FLOOR	06124
56	ABC	06 KG	SAC PLANT	SAC/GF/56	GROUND FLOOR	06165
57	ABC	09 KG	SAC PLANT	SAC/GF/57	GROUND FLOOR	00973
58	ABC	09 KG	SAC PLANT	SAC/FF/58	FIRST FLOOR	
59	ABC	09 KG	SAC PLANT	SAC/FF/59	FIRST FLOOR	6178
60	ABC	09 KG	SAC PLANT	SAC/SF/60	SECOND FLOOR	968

61	ABC	09 KG	SAC PLANT	SAC/SF/61	SECOND FLOOR	6216
62	ABC	09 KG	SAC PLANT	SAC/TF/62	THIRD FLOOR	06197
63	ABC	09 KG	SAC PLANT	SAC/TF/63	THIRD FLOOR	06134
64	ABC	09 KG	SAC PLANT	SAC/4TH/64	FOURTH FLOOR	06109
65	ABC	09 KG	SAC PLANT	SAC/4TH/65	FOURTH FLOOR	00970
66	ABC	09 KG	CR PLANT	CR/GF/66	GROUND FLOOR	06211
67	ABC	09 KG	CR PLANT	CR/GF/67	GROUND FLOOR	06199
68	ABC	09 KG	CR PLANT	CR/GF/68	GROUND FLOOR	06120
69	ABC	09 KG	CR PLANT	CR/FF/70	FIRST FLOOR	06194
70	ABC	09 KG	CR PLANT	CR/FF/71	FIRST FLOOR	06195
71	ABC	09 KG	CR PLANT	CR/SF/72	SECOND FLOOR	06170
72	ABC	09 KG	CR PLANT	CR/SF/73	SECOND FLOOR	06112
73	ABC	09 KG	TANK FARM -02	T.FARM-02/74	WEST SIDE	06694
74	ABC	09 KG	TANK FARM -02	T.FARM-02/75	WEST SIDE	06121
75	ABC	09 KG	TANK FARM -02	T.FARM-02/76	NORTH SIDE	06158
76	ABC	09 KG	SECURITY BUILDING-02	SEC.02/80	OUT SIDE	6225
77	ABC	09 KG	SECURITY BUILDING-02	SEC.02/81	OUT SIDE	6110

78	ABC	09 KG	SECURITY BUILDING-02	SEC.02/82	OUT SIDE	6226
79	ABC	09 KG	ISO MCC	ISO.MCC/83	PANEL ROOM	02040
80	ABC	09 KG	TANK FARM - 01	T.FARM-01/90	SOUTH SIDE	06171
81	ABC	09 KG	TANK FARM - 01	T.FARM-01/91	SOUTH SIDE	06148
82	ABC	09 KG	TANK FARM - 01	T.FARM-01/92	SOUTH SIDE	06102
83	ABC	09 KG	TANK FARM - 01	T.FARM-01/93	SOUTH SIDE	01089
84	ABC	09 KG	TANK FARM - 01	T.FARM-01/94	WEST SIDE	06115
85	ABC	09 KG	TANK FARM - 01	T.FARM-01/95	WEST SIDE	06169
86	ABC	09 KG	TANK FARM - 01	T.FARM-01/96	WEST SIDE	06150
87	ABC	09 KG	TANK FARM - 01	T.FARM-01/97	NORTH SIDE	06228
88	ABC	09 KG	TANK FARM - 01	T.FARM-01/98	NORTH SIDE	06113
89	ABC	09 KG	TANK FARM - 01	T.FARM-01/99	NORTH SIDE	06132
90	ABC	09 KG	TANK FARM - 01	T.FARM-01/10 0	NORTH SIDE	6175
91	ABC	09 KG	TANK FARM - 01	T.FARM-01/10 1	EAST SIDE	06133
92	ABC	09 KG	TANK FARM - 01	T.FARM-01/10 2	EAST SIDE	06140
93	ABC	09 KG	NSA TANK FARM	NSA T.FARM/103	NORTH SIDE	06145
94	ABC	09 KG	NSA TANK FARM	NSA T.FARM/104	NORTH SIDE	06172

95	ABC	09 KG	SULFUR YARD	SULFUR YARD/105	SOUTH SIDE	06201
96	ABC	09 KG	SULFUR YARD	SULFUR YARD/106	SOUTH SIDE	06188
97	ABC	09 KG	NSA PLANT	NSA/GF/107	GROUND FLOOR	06156
98	ABC	09 KG	NSA PLANT	NSA/GF/108	GROUND FLOOR	06198
99	ABC	09 KG	NSA PLANT	NSA/GF/109	GROUND FLOOR	06159
100	ABC	09 KG	NSA PLANT	NSA/GF/110	GROUND FLOOR	06232
101	ABC	09 KG	NSA PLANT	NSA/GF/111	GROUND FLOOR	06209
102	ABC	09 KG	NSA PLANT	NSA/FF/112	FIRST FLOOR	6163
103	ABC	09 KG	NSA PLANT	NSA/FF/113	FIRST FLOOR	06118
104	ABC	09 KG	NSA PLANT	NSA/FF/114	FIRST FLOOR	06128
105	ABC	09 KG	NSA PLANT	NSA/FF/115	FIRST FLOOR	06107
106	ABC	09 KG	ETP - 01	ETP-01/GF/116	GROUND FLOOR	INVISIBLE
107	ABC	09 KG	PHENOL BUILDING	ETP/PHE/GF/120	GROUND FLOOR	INVISIBLE
108	ABC	09 KG	PHENOL BUILDING	ETP/PHE/FF/121	FIRST FLOOR	INVISIBLE
109	ABC	09 KG	PHENOL BUILDING	ETP/PHE/SF/122	SECOND FLOOR	INVISIBLE
110	ABC	09 KG	HT ROOM	HT ROOM/GF/123	GROUND FLOOR	06207
111	ABC	09 KG	HT ROOM	HT ROOM/GF/124	GROUND FLOOR	06223



11 2	ABC	09 KG	HT ROOM	HT ROOM/FF/125	FIRST FLOOR	06152
11 3	ABC	09 KG	HT ROOM	HT ROOM/FF/126	FIRST FLOOR	06206
11 4	ABC	75 KG	MCC.DG AREA	MCC.DG/GF/1 27	OUTSIDE	00101
11 5	ABC	75 KG	MCC.TRANS AREA	MCC.TR/GF/1 28	OUTSIDE	00102
11 6	ABC	09 KG	MCC BUILDING	MCC TERRACE/129	TERRACE AREA	06166
11 7	CLEAN AGENT	04 KG	CATALYST ROOM	CATALYST ROOM-132	GROUND FLOOR	00378
11 8	CLEAN AGENT	04 KG	CATALYST ROOM	CATALYST ROOM-133	GROUND FLOOR	00380
11 9	ABC	09 KG	COOLING TOWER	COOLING TOWER/134	GROUND FLOOR	06151
12 0	ABC	09 KG	COOLING TOWER	COOLING TOWER/135	GROUND FLOOR	INVISIB LE
12 1	ABC	09 KG	MCC BUILDING - T/F	GC/LAB/136	THIRD FLOOR	06155
12 2	ABC	09 KG	MCC BUILDING - T/F	S.C. ROOM/LAB/1 37	THIRD FLOOR	06222
12 3	ABC	09 KG	MCC BUILDING - T/F	WASHING AREA LAB/138	THIRD FLOOR	06153
12 4	ABC	09 KG	MCC BUILDING - T/F	WET LAB/139	THIRD FLOOR	INVISIB LE
12 5	ABC	09 KG	MCC BUILDING - T/F	WET LAB/140	THIRD FLOOR	06215

12 6	ABC	09 KG	MCC BUILDING - T/F	MCC/GF/141	GROUND FLOOR	06167
12 7	ABC	09 KG	MCC BUILDING - T/F	QC LAB/142	THIRD FLOOR	06191
12 8	ABC	09 KG	MEE PLANT	MEE/GF/143	GROUND FLOOR	06219
12 9	ABC	09 KG	MEE PLANT	MEE/GF/144	GROUND FLOOR	INVISIB LE
13 0	ABC	09 KG	PHENOL BUILDING	ETP/PHE/GF/1 45	GROUND FLOOR	06212
13 1	ABC	09 KG	MCC BUILDING	MCC TERRACE/146	TERRACE AREA	6180
13 2	ABC	09 KG	INSTRUMENT WAREHOUSE	INST./WH/147	GROUND FLOOR	06231
13 3	ABC	06 KG	SAC PLANT	SAC/GF/148	GROUND FLOOR	08887
13 4	ABC	06 KG	SAC PLANT	SAC/FF/149	FIRST FLOOR	36258
13 5	ABC	06 KG	SAC PLANT	SAC/SF/150	SECOND FLOOR	5331
13 6	ABC	09 KG	SAC PLANT	SAC/TF/151	THIRD FLOOR	1086
13 7	ABC	06 KG	SAC PLANT	SAC/4TH/152	FORTH FLOOR	8878
13 8	DCP	75 KG	FIRE TENDER	FT/153	LOCKER NO - 03	00009
13 9	DCP	75 KG	FIRE TENDER	FT/154	LOCKER NO - 04	00011
14 0	ABC	06 KG	DCP	DCP/GF/155	DCP/EAST SIDE	06184
14 1	ABC	09 KG	ETP-1	ETP1/GF/158	GROUND FLOOR	6205

14 2	ABC	09 KG	ADMIN	ADMIN/FF/159	SOUTH SIDE	2024
14 3	ABC	09 KG	ADMIN	ADMIN/FF/160	SOUTH SIDE	2039
14 4	ABC	09 KG	ADMIN	ADMIN/FF/161	SOUTH SIDE	2030
14 5	ABC	09 KG	ADMIN	ADMIN/FF/162	NORTH SIDE	1092
14 6	ABC	09 KG	ADMIN	ADMIN/FF/163	NORTH SIDE	2027
14 7	ABC	09 KG	ADMIN	ADMIN/TERR ACE/164	NORTH SIDE	2026
14 8	ABC	09 KG	ADMIN	ADMIN/TERR ACE/165	NORTH SIDE	2037
14 9	ABC	09 KG	MCC BUILDING	MCC/LIFT/166	SOUTH SIDE	2029
15 0	CLEAN AGENT	04 KG	ADMIN	ADMIN/SF/01	NORTH SIDE	00372
15 1	CLEAN AGENT	04 KG	ADMIN	ADMIN/SF/02	SOUTH SIDE	00371
15 2	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/03	SOUTH SIDE	00374
15 3	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/04	SOUTH SIDE	00377
15 4	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/05	SOUTH SIDE	00373
15 5	ABC	06 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 172	IN SIDE	05330
15 6	ABC	09 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 173	IN SIDE	07655

15 7	ABC	06 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 174	IN SIDE	36227
15 8	ABC	06 KG	ADMIN	MECH.STORE /175	MECH.STOR E	08884
15 9	ABC	06 KG	ADMIN	MECH.STORE /176	MECH.STOR E	08885
16 0	ABC	06 KG	ADMIN	MECH.STORE /177	MECH.STOR E	08875
16 1	ABC	06 KG	ADMIN	MECH.STORE /178	MECH.STOR E	8876
16 2	ABC	06 KG	ADMIN	MECH.STORE /179	MECH.STOR E	8873
16 3	ABC	06 KG	ADMIN	MECH.STORE /180	MECH.STOR E	8877
16 4	ABC	06 KG	ADMIN	INST.W.S/181	INST.W.S	8872
16 5	ABC	09 KG	NOM.M.W	NOM.M.W/182	ETP-01 BACK SIDE	6200
16 6	ABC	09 KG	NEW T .W.SHOP	NTW.SHOP/18 3	NTW.SHOP	6144
16 7	ABC	06 KG	JACCON.W.S HOP	JACCON.W.S HOP/184	JACCON.W. SHOP	8874
16 8	ABC	06 KG	VISHAL . W. SHOP	VISHAL.W.SH OP/185	VISHAL.W.S HOP	8886

Compliance of Risk Assessment Recommendations from EIA		
Sr. No.	Condition	Compliance
<b>A.</b>	<b>STORAGE DETAILS OF RAW MATERIALS</b>	
<b>i.</b>	<b>Recommendations for storage of Methanol</b>	
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>B.</b>	<b>STORAGE AND HANDLING OF SOLID CHEMICALS</b>	
<b>i.</b>	<b>Handling Chemical Bags</b>	
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.
<b>ii. Cleaning of Chemical Spillage.</b>		
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 <a href="#">Annexure 11.</a>
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.
<b>Additional Recommendations</b>		
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.

<b>C.</b>	<b>STORAGE AND HANDLING OF SULPHURIC ACID</b>	
<b>i.</b>	<b>Sulphuric Acid Loading &amp; Unloading.</b>	
1	Loading & Unloading activity shall be carried out in well ventilated area.	<p>Complied.</p> <p>Loading &amp; 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>
<b>ii.</b>	<b>Working in Storage Area</b>	
1	Storage area shall be well ventilated	<p>Complied.</p> <p>Chemicals are stored in isolated storage rooms having provision for natural &amp; 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>
<b>iii.</b>	<b>Tank overflow/leakage from joints etc</b>	
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>
	<b>Additional Recommendations</b>	
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>
<b>D.</b>	<b>STORAGE AND HANDLING OF DRUMS</b>	



<b>i</b>	<b>Drums Unloading from Truck by forklift.</b>	
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>
	<b>Additional Recommendations</b>	
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>
<b>ii.</b>	<b>Transfer of chemicals from drums to plant/reactor</b>	

1	PPEs shall be used.	Complied.  PPEs are used.
iii.	<b>Drum/Barrels Storage Area</b>	
1	PPEs are used.	Complied.  PPEs are used.
iv.	<b>Cleaning of empty drums</b>	
1	PPEs like face mask	Complied.  PPEs like face mask are used.
<b>E.</b>	<b>COMMENTS / RECOMMENDATIONS BASED ON CONSEQUENCE ANALYSIS</b>	
	<b>Recommendations</b>	
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.
<b>F.</b>	<b>PROPOSED SAFETY/CONTROL MEASURES TO REDUCE THE RISK OF FIRE, EXPLOSION AND TOXIC RELEASE</b>	
i.	<b>Transportation of Chemicals, by Road Tanker or Truck.</b>	

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.
<b>In case of leak or spill:</b>		
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 &amp; 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>
<b>ii. Unloading of Solvent Drums /Barrels from Truck.</b>		
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 &amp; other required checks is done &amp; after the approval of same, unloading procedure is allowed.</p>
<b>Following precautions will be taken during unloading:</b>		
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.	<b>Chemical Storage Area safety.</b>	
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.
<b>iv.</b>	<b>Chemical transfer from storage area to Process Plant.</b>	
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.
---	---	--





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

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

### Terms and condition of the agreement is as below:

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

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

#### Aarti Industries Limited, Dahej (Zone III):

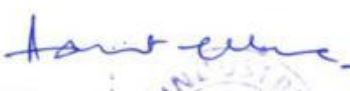

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industries.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas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



**AARTI  
INDUSTRIES  
LIMITED**

**Sunshine Global Hospital, Bharuch:**

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

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

Date:

Place:

**www.aarti-industries.com | CIN: L24110GJ1984PLC007301**

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

**Factory :** 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.

<https://docs.google.com/document/d/1c852567Df4vGepfrde8pKQDuaSiw2K4p0tdkH0lw/edit>



## **Agreement between of Baroda Heart Multispeciality Hospital, Bharuch & Aarti Industries Limited, Dahej (Zone III)**

This agreement is between Baroda Heart Multispeciality Hospital, Bharuch and Aarti Industries Limited, Dahej (Zone III) on 1<sup>st</sup> September 2019.

### **Terms and condition of the agreement is as below:**

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

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

#### **Aarti Industries Limited, Dahej (Zone III):**

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



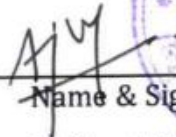





**AARTI  
INDUSTRIES  
LIMITED**

**Baroda Heart Hospital, Bharuch:**

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Meet Shah	Business Development Officer	9727746344	mkt-bhmsh@bhirc.com
2	Mr. Ajay Secretary	Unit Head	9727763817	unithead-bhmsh@bhirc.com
3	Ms. Mayuri Rana	Operation Manager	7405411258	Operations-bhmsh@bhirc.com

 	 
Name & Sign of authorized Signatory Aarti Industries Limited, Dahej	Name & Sign of authorized Signatory Baroda Heart Multispeciality Hospital, Bharuch

Date:

Place:

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

<b>History:</b>	Past History:	NAD	Occupational History :	NAD
	Family History :		FATHER -DM	

**General Examination:**

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

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

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

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

+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

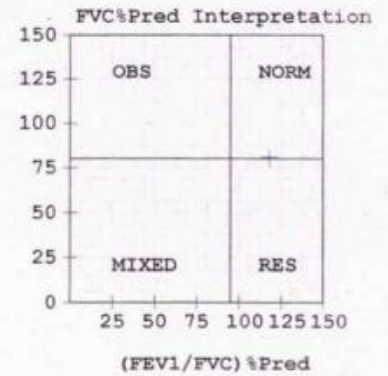
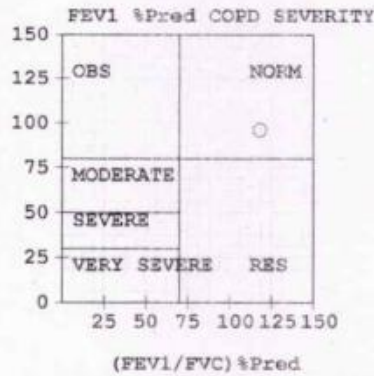
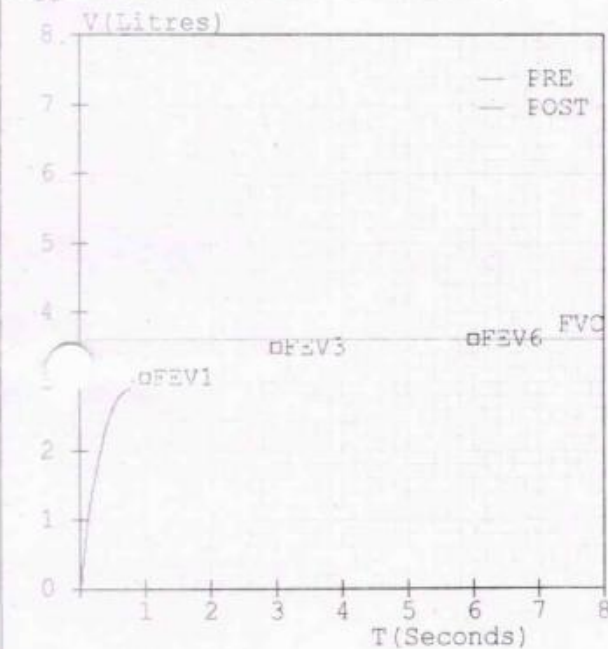
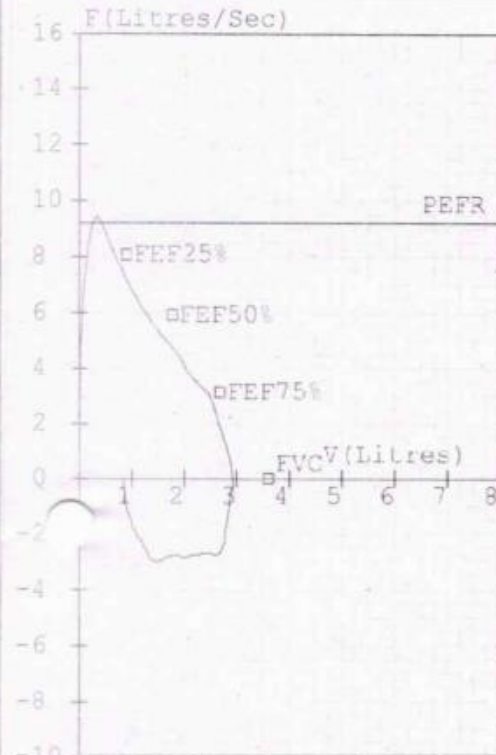
ID : 12439

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

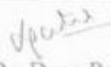
# For test performed on specimens received or collected from non-NSRL locations, it is presumed that the specimen belongs to the patient named or identified as labeled on the container/test request and such verification has been carried out at the point generation of the said specimen by the sender. 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.)



Date : 09-Sep-2024

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

Employee ID	: 9100100001	Sr No.	: 17
Name	: BASANT CHATURVEDI	Birth Date	: 25-Sep-2024
Designation	: Male Nurse	Joining Date	: 10/10/2018
Age	: 30 yrs	Gender	: M

<b>History:</b>	Past History:	NAD	Occupational History:	NAD
	Family History:		NAD	

**General Examination:**

Height	: 172 cm	Weight	: 73 kg	BMI	: 24.68 kg/m <sup>2</sup>
Pulse	: 82 /min	BP	: 120/82 mmHg	BSA	: 1.87 m <sup>2</sup>

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/9	N/9
Near Vision	REFRACTION ERROR	
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: BASANT CHATURVEDI

Refd. By:

Pred. Eqns: RECORDERS

Date : 09-Sep-2024 11:45 AM

Age : 30 Yrs

Height : 172 Cms

Weight : 73 Kgs

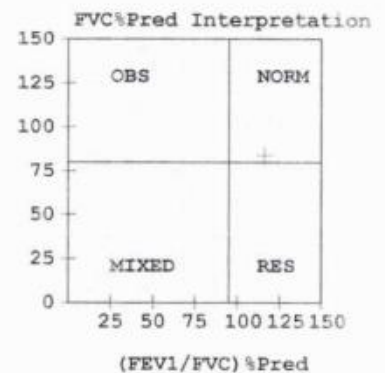
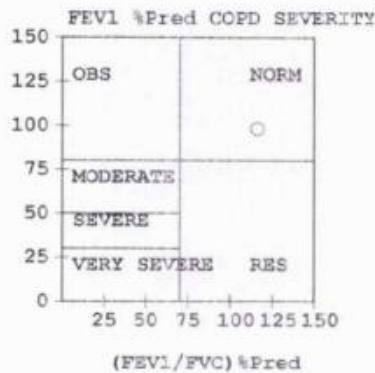
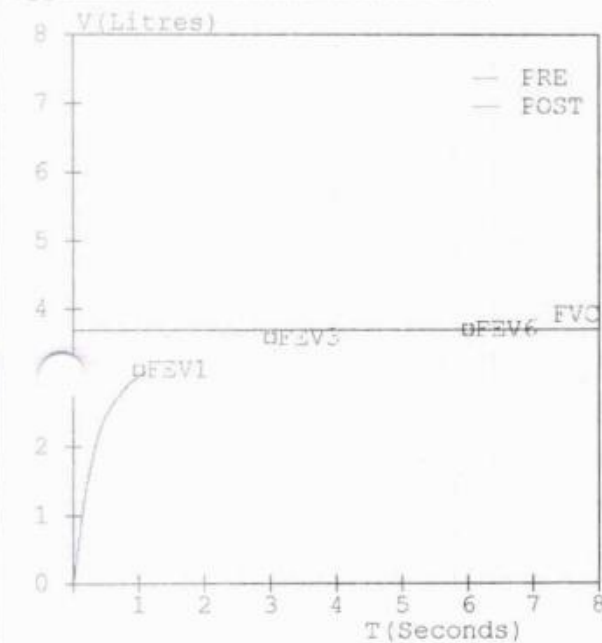
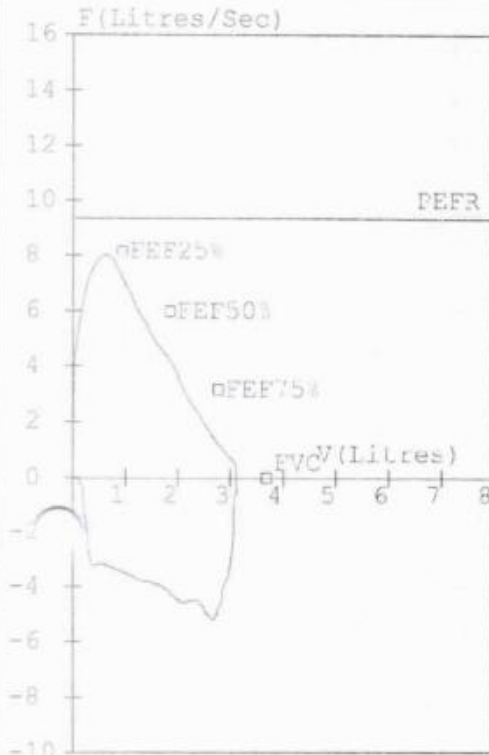
ID : 11646

Gender : Male

Smoker : Yes

Eth. Corr: 100

Temp :



## FVC Results

Parameter	Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC (L)	03.69	03.11	084	-----	---	---
FEV1 (L)	03.12	03.05	098	-----	---	---
FEV1/FVC (%)	84.55	98.07	116	-----	---	---
FEF25-75 (L/s)	04.43	04.47	101	-----	---	---
PEFR (L/s)	09.34	07.96	085	-----	---	---
FIVC (L)	-----	03.01	---	-----	---	---
FEV.5 (L)	-----	02.46	---	-----	---	---
FEV3 (L)	03.58	03.11	087	-----	---	---
PIFR (L/s)	-----	05.12	---	-----	---	---
FEF75-85 (L/s)	-----	01.86	---	-----	---	---
FEF.2-1.2 (L/s)	07.67	07.17	093	-----	---	---
FEF 25% (L/s)	08.15	07.75	095	-----	---	---
FEF 50% (L/s)	05.97	04.86	081	-----	---	---
FEF 75% (L/s)	03.16	02.43	077	-----	---	---
FEV.5/FVC (%)	-----	79.10	---	-----	---	---
FEV3/FVC (%)	97.02	100.00	103	-----	---	---
FET (Sec)	-----	01.13	---	-----	---	---
ExpiTime (Sec)	-----	00.08	---	-----	---	---
Lung Age (Yrs)	030	031	103	-----	---	---
FEV6 (L)	03.69	-----	---	-----	---	---
FIF25% (L/s)	-----	04.70	---	-----	---	---
FIF50% (L/s)	-----	04.00	---	-----	---	---
FIF75% (L/s)	-----	03.45	---	-----	---	---

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 : BASANT CHATURVEDI  
Age/Gender : 30 Y / M  
Patient No : AIN17  
Referred By : AARTI INDUSTRIES - NEO

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

## HEMATOLOGY

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

Test Description	RESULT	Reference Range
Hemoglobin (Hb)	13.50 gm/dL	13.5 - 18.0
Erythrocyte (RBC) Count	5.20 mil/cu.mm	4.7 - 6.0
Packed Cell Volume (PCV)	46.80 %	37 - 50
Total Leucocytes (WBC) Count	5200 cell/cu.mm	4000 - 11000
Mean Cell Volume (MCV)	89.90 fL	78 - 100
Mean Cell Haemoglobin (MCH)	138.60 pg	26 - 32
Mean Corpuscular Hb Conc. (MCHC)	154.10 g/dL	32 - 36
Red Cell Distribution Width (RDW)	15.40 %	11.6 - 14.0

### Differential Leucocyte Count (DLC)

Neutrophils	53 %	40 - 80
Lymphocytes	36 %	20 - 40
Monocytes	06 %	02 - 10
Eosinophils	05 %	01 - 06
Basophils	00 %	00 - 01
Platelet count	191000/Cu.mm	150000 - 450000

### Peripheral Smear

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

Dr. Deep Patel  
DMRE, CIH

Dr. Shweta Sharma  
MD (Patho.)

Dr. Hardik Kabra  
MD (Patho.)

Dr. Maulin Patel  
MD (Patho.)

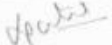



Name : BASANT CHATURVEDI  
Age/Gender : 30 Y / M  
Patient No : AIN17  
Referred By : AARTI INDUSTRIES - NEO


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

**Biochemistry**  
(ERBA 200 - Erba Mannheim, Germany)

Test Description	Result	Reference Range
<b>Liver Function Test</b>		
<b>Bilirubin - Total</b> Method : Serum, Jendrassik Grof	0.48 mg/dL	0.3 - 1.2
<b>Bilirubin - Direct</b> Method : Serum, Diazotization	0.05 mg/dL	< 0.3
<b>Bilirubin - Indirect</b> Method : Serum, Calculated	0.43 mg/dL	0.1 - 1.0
<b>SGOT</b> Method : Serum, UV with P5P, IFCC 37 degree	14.80 U/L	0 - 50
<b>SGPT</b> Method : Serum, UV with P5P, IFCC 37 degree	13.40 U/L	5 - 45
<b>GGT-Gamma Glutamyl Transpeptidase</b> Method : Serum, G-glutamyl-carboxy-mitanilide	13.60 U/L	< 55
<b>S. Alkaline Phosphatase</b>	104.63 U/L	45 - 129
<b>Renal Function Test</b>		
<b>Blood Urea Level (BUL)</b> (Urease - GLDH Method)	21.36 mg/dL	12.6 - 42.6
<b>Sr. Creatinine</b> (Jaffes Buffer - Kinetic)	0.71 mg/dL	0.5 - 1.3
<b>BLOOD SUGAR</b>		
<b>RANDOM BLOOD SUGAR (RBS)</b> [ Method :-(GOD - PAP) End Point ]	96.50 mg/dL	70 - 110
<b>Urine Sugar</b>	Absent	
<b>Urine Ketone</b>	Absent	

  
Dr. Deep Patel  
DMRE, CIH

  
Dr. Shweta Sharma  
MD (Patho.)

  
Dr. Hardik Kabra  
MD (Patho.)

  
Dr. Maulin Patel  
MD (Patho.)



Name	: BASANT CHATURVEDI	Registered Date	: 09-09-2024
Age/Gender	: 30 Y / M	Reported Date	: 13-09-2024
Patient No	: AIN17	Report Printed	: 20-09-2024
Referred By	: AARTI INDUSTRIES - NEO		

## CLINICAL PATHOLOGY

Test Description	Result	Reference Range
<b>URINE ROUTINE EXAMINATION</b>		
Colour	Pale Yellow	
Volume	25	
Appearance	CLEAR	
Specific gravity	1.02	1.000 – 1.035
Reaction (pH)	ACIDIC	
<b>CHEMICAL EXAMINATION</b>		
Protein	Absent	
Glucose	Absent	
Ketones	Absent	
Bile salts & Bile pigments	Absent	
Nitrite	Absent	
Urobilinogen	Absent	
Blood	Absent	
Amorphus Phosphate	Absent	
<b>MICROSCOPIC EXAMINATION</b>		
RBC	Absent	
Pus cells	2-4 cells/hpf	< 5
Epithelial cells	1-2 cells/hpf	< 4
Cast	ABSENT	
Bacteria	Absent	

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Name	: BASANT CHATURVEDI	Registered Date	: 09-09-2024
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## BIOCHEMICAL INVESTIGATIONS :

### MethHB (Oximetry on ABL Flex 800 Analyzer)

Test	Result	Unit	Reference Range
Fraction of MethHb in total Hb (FMetHb)	1.30	%	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.

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## Compliance of EMP Conditions

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

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

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

**PUBLIC LIABILITY ACT POLICY  
POLICY SCHEDULE**

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

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

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

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

**Territorial limits:** Anywhere in India

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

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

Service Tax Registration No:

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

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

**Date of Proposal and declaration:09/01/2024**

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

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

**For Tata AIG General Insurance Company Limited**



**Authorized Signatory**

Date :18/01/2024  
Place :MUMBAI

**Policy Servicing Office  
Tata AIG General Insurance Company Limited**

2ND FLOOR, CITI TOWER, 61, DR. S.S.RAO ROAD,, NEXT TO M.G.M HOSPITAL, PAREL(E), MUMBAI - 400012,MUMBAI,MAHARASHTRA,MUMBAI-400012  
Tel No:22-22-62606600



# Tata-AIG General Insurance Company Limited



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

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

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



**For Tata AIG General Insurance Company Limited**

**Authorized Signatory**



