

AIL/DHJ/DIA/2023/ENV/026

ID :- 58381
Date:24.11.2023

To,
The Member Secretary,
Gujarat Pollution Control Board,
Gandhinagar-382010

Subject: Half Yearly Environment Clearance conditions compliance report for the period of April -2023 to September-2023.

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

Respected Sir,

With reference to the subject cited above, we are enclosing herewith the compliance report (monitoring period April 2023 to September 2023) as per condition number **108** as mentioned in environment clearance letter No.**SEIAA/GUJ/EC/5(f)/391/2018** dated 31/05/2018 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.

Thanking You

Yours faithfully,
For Aarti Industries Limited


Authorized Signatory



Encl: EC Compliance with Annexures.

COPY TO:

- 1) Copy to be uploaded in the **PARIVESH** site.
- 2) The Regional Director, Central Pollution Control Board, Vadodara (Through **E-Mail**)
- 3) Deputy Director General of Forest (Central) Integrated Regional Office - Gandhinagar, MOEF & CC, Gandhinagar (Through **E-Mail**)



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-2023 to Sep-2023

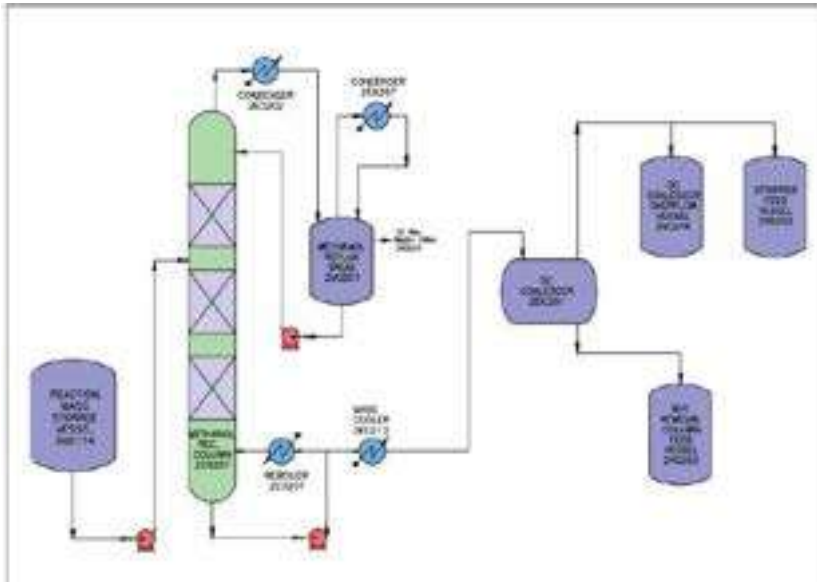
Sr. No.	Name of Product	CAS No.	Total Quantity (MT/month)	Application	Status																							
Organic Chemicals																												
1	2, 5 Dichloro Aniline	95-82-9	1815	It is a precursor to dyes, chemical intermediates and pigments.	<p>Complied</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Production (MT)</th> </tr> <tr> <th colspan="2">2, 5 Dichloro Aniline</th> </tr> </thead> <tbody> <tr> <td>Apr, 23</td> <td colspan="2">609.949</td> </tr> <tr> <td>May, 23</td> <td colspan="2">80.34</td> </tr> <tr> <td>Jun, 23</td> <td colspan="2">81.347</td> </tr> <tr> <td>Jul, 23</td> <td colspan="2">383.478</td> </tr> <tr> <td>Aug,23</td> <td colspan="2">129.354</td> </tr> <tr> <td>Sep,23</td> <td colspan="2">621.758</td> </tr> </tbody> </table> <p align="center">All products are under prescribed limits.</p>	Month	Production (MT)		2, 5 Dichloro Aniline		Apr, 23	609.949		May, 23	80.34		Jun, 23	81.347		Jul, 23	383.478		Aug,23	129.354		Sep,23	621.758	
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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.	<p>Complied</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Production (MT)</th> </tr> </thead> <tbody> <tr> <td>Apr, 23</td> <td>380.578</td> </tr> <tr> <td>May, 23</td> <td>5.8</td> </tr> <tr> <td>Jun, 23</td> <td>0</td> </tr> <tr> <td>Jul, 23</td> <td>0</td> </tr> <tr> <td>Aug,23</td> <td>18.6</td> </tr> <tr> <td>Sep,23</td> <td>236.6</td> </tr> </tbody> </table>	Month	Production (MT)	Apr, 23	380.578	May, 23	5.8	Jun, 23	0	Jul, 23	0	Aug,23	18.6	Sep,23	236.6									
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Inorganic Chemicals																												
1	Nitrosyl Sulphuric Acid	7782-78-7	1470	Used in organic chemistry to prepare diazonium salts from amines	<p>Complied</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Production (MT)</th> </tr> <tr> <th>NSA</th> <th>H2SO4</th> </tr> </thead> <tbody> <tr> <td>Apr, 23</td> <td>1474.201</td> <td>2365.943</td> </tr> <tr> <td>May, 23</td> <td>449.137</td> <td>117.434</td> </tr> <tr> <td>Jun, 23</td> <td>251.485</td> <td>0</td> </tr> <tr> <td>Jul, 23</td> <td>0</td> <td>0</td> </tr> <tr> <td>Aug,23</td> <td>233</td> <td>176.077</td> </tr> <tr> <td>Sep,23</td> <td>585.64</td> <td>1470.733</td> </tr> </tbody> </table>	Month	Production (MT)		NSA	H2SO4	Apr, 23	1474.201	2365.943	May, 23	449.137	117.434	Jun, 23	251.485	0	Jul, 23	0	0	Aug,23	233	176.077	Sep,23	585.64	1470.733
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2	98% Sulphuric Acid	7664-93-9	2350	Used in chemical industry for production of basic synthetic organic chemicals	<p>Complied</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Production (MT)</th> </tr> </thead> <tbody> <tr> <td>Apr, 23</td> <td>1474.201</td> </tr> <tr> <td>May, 23</td> <td>449.137</td> </tr> <tr> <td>Jun, 23</td> <td>251.485</td> </tr> <tr> <td>Jul, 23</td> <td>0</td> </tr> <tr> <td>Aug,23</td> <td>233</td> </tr> <tr> <td>Sep,23</td> <td>585.64</td> </tr> </tbody> </table>	Month	Production (MT)	Apr, 23	1474.201	May, 23	449.137	Jun, 23	251.485	Jul, 23	0	Aug,23	233	Sep,23	585.64									
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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch



	MT/Month	Average production of 2181.95MT/Month in the compliance period (April 2023 to September 2023)
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Sr. No.	Points	Compliance
CONDITIONS		
A.1 SPECIFIC CONDITIONS		
1	There shall be no end use of the proposed products as pesticide and pesticide specific intermediates as mentioned in EIA Notification 2006 and as submitted undertaking with EIA report.	Complied Unit is ensuring that no end use of the proposed products as pesticide and pesticide specific intermediates.
2	The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	Complied The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE.  Photograph of MEE Plant 

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

		Photograph of RO																												
3	Spent solvent recovery (1384.1 MT/Month) shall be recovered by in-house distillation in such a manner that recovery shall not be less than 95 percent and recovered solvent shall be completely reused in the process.	<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 border="1" data-bbox="755 388 1599 735"> <thead> <tr> <th>Recovered Methanol Details</th> <th>April,23</th> <th>May, 23</th> <th>Jun,23</th> <th>Jul,23</th> <th>Aug,23</th> <th>Sep,23</th> </tr> </thead> <tbody> <tr> <td>Consumption (MT/Month)</td> <td>1030.6</td> <td>653.70</td> <td>0</td> <td>443.447</td> <td>447.45</td> <td>909.35</td> </tr> <tr> <td>Recovered (MT/Month)</td> <td>1024.568</td> <td>652.211</td> <td>0</td> <td>438.873</td> <td>444.705</td> <td>904.647</td> </tr> <tr> <td>% Recovery</td> <td>99.4</td> <td>99.77</td> <td>0</td> <td>98.96</td> <td>99.38</td> <td>99.48</td> </tr> </tbody> </table>	Recovered Methanol Details	April,23	May, 23	Jun,23	Jul,23	Aug,23	Sep,23	Consumption (MT/Month)	1030.6	653.70	0	443.447	447.45	909.35	Recovered (MT/Month)	1024.568	652.211	0	438.873	444.705	904.647	% Recovery	99.4	99.77	0	98.96	99.38	99.48
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% Recovery	99.4	99.77	0	98.96	99.38	99.48																								
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 & DCS System.</p>																												

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

		<p>Hydrogen Detector System, Methanol Detector System, SO2 Detector System & Xylene Detector system. Device list attached as an Annexure-1</p>
<p>6</p>	<p>Continuous Emission Monitoring System (CEMS) shall be provided for monitoring of air pollutants and waste water discharge.</p>	<p>Complied</p>  <p>Unit has provided a Continuous Emission Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission.</p>
<p>7</p>	<p>All measures shall be taken to prevent soil and groundwater contamination.</p>	<p>Complied</p> <p>Unit has taken all necessary precautions and monitored the soil from time to time to eliminate soil & water contamination, all process areas are provided with proper flooring and catchment pit so that spills, if any, gets collected, transferred and properly treated in inhouse treatment systems. PCC flooring is provided for prevention of Soil contamination.</p> <p>Photographs for same are attached below:</p> 
<p>8</p>	<p>The unit shall submit the list of authorized end users of above mentioned wastes along with MoU signed with them at least two months in advance prior to commencement of production. In absence of potential buyers of</p>	<p>Complied</p> <p>The Unit has taken membership for incineration from SEPL and BEIL. The Unit has received a membership certificate for co-processing/</p>

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

<p>these items, the unit shall restrict the production of respective them.</p>	<p>pre-processing from RSPL. Unit has received a Landfill membership certificate from BEIL. The membership details are attached in Annexure-3</p> <p>Landfill Waste (ETP, MEE & Insulation) Generation & Disposal Details:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Month</th> <th>Generation (MT)</th> <th>Disposal (MT)</th> </tr> </thead> <tbody> <tr> <td>Apr,23</td> <td>50.450</td> <td>41.500</td> </tr> <tr> <td>May,2</td> <td>17.96</td> <td>21.150</td> </tr> <tr> <td>June,23</td> <td>25.77</td> <td>16.97</td> </tr> <tr> <td>July,23</td> <td>15.11</td> <td>12.75</td> </tr> <tr> <td>Aug,23</td> <td>1.75</td> <td>0</td> </tr> <tr> <td>Sep,23</td> <td>12.28</td> <td>0</td> </tr> <tr> <td>TOTAL</td> <td>123.32</td> <td>92.37</td> </tr> </tbody> </table>	Month	Generation (MT)	Disposal (MT)	Apr,23	50.450	41.500	May,2	17.96	21.150	June,23	25.77	16.97	July,23	15.11	12.75	Aug,23	1.75	0	Sep,23	12.28	0	TOTAL	123.32	92.37
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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 Total Water Requirement is not exceeding 1429 KL/Day and fresh water requirement is not exceeding 1253 KL/Day and Recycle water is 56 KL/Day from RO Permeate, 47 KL/Day from STP, 73 KL/Day from Filter Section(SSF) as per CC&A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 & AWH-123267 dated: 18/12/22. Water consumption is under the prescribed limit.</p> <p style="text-align: center;">WATER CONSUMPTION DETAILS</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Fresh Water Consumptions (1253 KLD)</td> <td>Total KL/Month</td> <td>19471</td> <td>12298</td> <td>6342</td> <td>8625</td> <td>10643</td> <td>15506</td> </tr> <tr> <td>Average KLD</td> <td>649</td> <td>397</td> <td>211.4</td> <td>278</td> <td>343</td> <td>517</td> </tr> </tbody> </table> <p style="text-align: center;">Water consumption is under the prescribed limit.</p>	Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Fresh Water Consumptions (1253 KLD)	Total KL/Month	19471	12298	6342	8625	10643	15506	Average KLD	649	397	211.4	278	343	517
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10	<p>The industrial effluent generation from the project shall not exceed 265 KL/Day.</p>	<p>Complied The effluent generation of the Unit is not exceeding 262 KL/Day as per CC&A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 & AWH-123267 dated: 18/12/22.</p> <p style="text-align: center;">EFFLUENT GENERATION DETAILS</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Industrial Effluent Generation (262 KLD)</td> <td>Total KL/Month</td> <td>2803.4</td> <td>2144.1</td> <td>1509.5</td> <td>2685</td> <td>3273.9</td> <td>3976.9</td> </tr> <tr> <td>Average KLD</td> <td>93.44</td> <td>69.16</td> <td>50.3</td> <td>86.6</td> <td>105.60</td> <td>132.56</td> </tr> </tbody> </table>	Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Industrial Effluent Generation (262 KLD)	Total KL/Month	2803.4	2144.1	1509.5	2685	3273.9	3976.9	Average KLD	93.44	69.16	50.3	86.6	105.60	132.56
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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch

		Waste Water generation is under Prescribed Limits																													
11	The industrial wastewater i.e. Process water + RO Reject (228+37=265 KL/Day) shall be treated in ETP comprising Primary, Secondary and Tertiary treatment plants.	<p>Compiled. The average daily generation of industrial effluent for the monitoring period is 128.06 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. Details of wastewater Generation (combined for process and utility)</p> <table border="1"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Industrial Effluent to ETP (225 KLD)</td> <td>Total KL/Month</td> <td>2803.4</td> <td>2144.1</td> <td>1509.5</td> <td>2685</td> <td>3273.9</td> <td>3976.9</td> </tr> <tr> <td>Average KLD</td> <td>93.44</td> <td>69.16</td> <td>50.3</td> <td>86.6</td> <td>105.60</td> <td>132.56</td> </tr> </tbody> </table> <p>Wastewater generation is within the prescribed limits</p>							Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Industrial Effluent to ETP (225 KLD)	Total KL/Month	2803.4	2144.1	1509.5	2685	3273.9	3976.9	Average KLD	93.44	69.16	50.3	86.6	105.60	132.56
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12	Treated wastewater (265 KL/Day) shall be discharged deep sea (Arabian Sea) through underground pipeline of GIDC after achieving discharge norms prescribed by regulatory authority.	<p>Complied Unit is ensuring discharge treated effluent after conforming to GPCB norms in the underground pipeline of GIDC. GIDC Discharge Details</p> <table border="1"> <thead> <tr> <th>Particular</th> <th>Final Discharge</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Final Discharge to GIDC Pipeline (262 KL/day)</td> <td>Total KL/Month</td> <td>4075</td> <td>3792</td> <td>2902</td> <td>3876</td> <td>4424</td> <td>4819</td> </tr> <tr> <td>Average KLD</td> <td>135.8</td> <td>122.32</td> <td>96.73</td> <td>125.03</td> <td>142.71</td> <td>160.63</td> </tr> </tbody> </table> <p>All the discharge parameters are under prescribed limits</p>							Particular	Final Discharge	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Final Discharge to GIDC Pipeline (262 KL/day)	Total KL/Month	4075	3792	2902	3876	4424	4819	Average KLD	135.8	122.32	96.73	125.03	142.71	160.63
Particular	Final Discharge	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023																								
Final Discharge to GIDC Pipeline (262 KL/day)	Total KL/Month	4075	3792	2902	3876	4424	4819																								
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13	The domestic wastewater generation shall not exceed 47 KL/Day and it shall be treated in STP and use for gardening/maintaining green belt within premises.	<p>Complied Domestic wastewater is treated in STP. Treated water used for gardening/cooling tower purposes. Domestic Waste Water Generation</p> <table border="1"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Domestic Waste Water (47 KLD)</td> <td>Total KL/Month</td> <td>380</td> <td>325</td> <td>687</td> <td>701</td> <td>593</td> <td>644</td> </tr> <tr> <td>Average KLD</td> <td>12.66</td> <td>10.48</td> <td>22.9</td> <td>22.61</td> <td>19.12</td> <td>21.46</td> </tr> </tbody> </table> <p>All Domestic waste water generation is under prescribed limits.</p>							Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Domestic Waste Water (47 KLD)	Total KL/Month	380	325	687	701	593	644	Average KLD	12.66	10.48	22.9	22.61	19.12	21.46
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14	During monsoon season when treated sewage effluent may not be required for the plantation/Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case.	<p>Complied The treated STP water is being used for green belt development / Cooling tower. During Monsoon the treated STP water shall be used for cooling tower make up. Also, the Unit has constructed a guard tank for storage of treated water.</p>																													

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

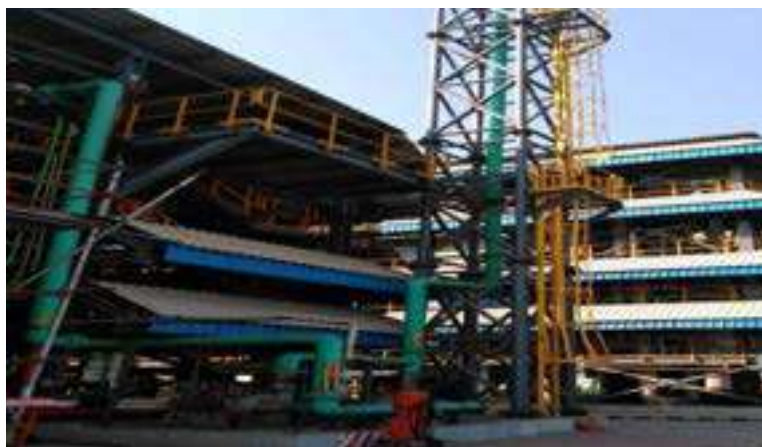
15	Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.	<p>Complied</p> <p>Unit has an adequate buffer with two water storage tanks each of 300 kl capacity for holding the treated wastewater during the rainy days.</p>																
16	Unit shall provide an online monitoring system on the final discharge line for measuring quantity & quality of waste water as per the guidelines of regulatory authority.	<p>Complied</p> <p>Unit has provided an online monitoring system on the final discharge line for measuring quantity & quality of waste water as per the guidelines. The parameters are measured continuously in the Online System (COD, BOD, TSS, pH & Flow) and the same has been connected to the GPCB & CPCB Server.</p> <p>Screenshot (Image) of continuous online data monitoring at CPCB server attached in Condition No. 6.</p>																
17	The unit shall provide metering facility at the inlet and outlet of the ETP and maintain records for the same.	<p>Complied</p> <p>Unit has provided a metering system and maintained the same in the logbook.</p> 																
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" data-bbox="776 1459 1580 1843"> <thead> <tr> <th colspan="2">Power Consumption ETP</th> </tr> <tr> <th>Month</th> <th>Total KWH</th> </tr> </thead> <tbody> <tr> <td>Apr-23</td> <td>130572</td> </tr> <tr> <td>May-23</td> <td>86662</td> </tr> <tr> <td>June-23</td> <td>72701</td> </tr> <tr> <td>July-23</td> <td>107385</td> </tr> <tr> <td>August-23</td> <td>91122</td> </tr> <tr> <td>September-23</td> <td>110478</td> </tr> </tbody> </table>	Power Consumption ETP		Month	Total KWH	Apr-23	130572	May-23	86662	June-23	72701	July-23	107385	August-23	91122	September-23	110478
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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch

Chemical Consumption ETP									
Month	PE (KG)	Urea (KG)	DAP (KG)	Lime (KG)	PAC (KG)	Caustic (Ltr)	HCl (ltr)	Jaggery(KG)	Deformer (ltr)
Apr-23	0.7	3	5	22	230	12290	3232	8	12
May-23	0.66	0	0	0	1455	5690	2351	0	12
June-23	0.1	0	4	36	440	2025	807	47	17
July-23	2.55	0	3	76	360	3550	1100	78	12
August-23	2.85	15	33	67	300	4218	2342	48	7
September-23	1.6	1	19	65	405	3617	3670	100	0

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 SO2 gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with Sulphur Dioxide reaction and Sulphuric Acid plant to control SO2 gaseous emission. 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. Annexure-5a																																																
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. Annexure-5b																																																
24	Unit shall provide two stage alkali scrubber as APCM with storage tanks to control VOC.	<p>Complied Unit has provided a two stage alkali scrubber as APCM with storage tanks to control VOC. VOCs Monitoring are carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of VOC monitoring from scrubber is attached in Annexure-5</p> <table border="1" data-bbox="756 659 1598 1871"> <thead> <tr> <th data-bbox="756 659 841 751">Sr. No</th> <th data-bbox="841 659 1203 751">Stack Attached to</th> <th data-bbox="1203 659 1349 751">APCM</th> <th data-bbox="1349 659 1598 751">Parameter</th> </tr> </thead> <tbody> <tr> <td data-bbox="756 751 841 905">1</td> <td data-bbox="841 751 1203 905">Scrubber Connected to Sulphur Dioxide reaction and Sulphuric Acid Plant</td> <td data-bbox="1203 751 1349 905">Alkali Scrubber</td> <td data-bbox="1349 751 1598 905">SO2 Acid Mist/Sulphur Trioxide</td> </tr> <tr> <td data-bbox="756 905 841 997">2</td> <td data-bbox="841 905 1203 997">Scrubber Connected to NSA</td> <td data-bbox="1203 905 1349 997">Alkali Scrubber</td> <td data-bbox="1349 905 1598 997">SO2</td> </tr> <tr> <td data-bbox="756 997 841 1089">3</td> <td data-bbox="841 997 1203 1089">Scrubber Connected to DCP</td> <td data-bbox="1203 997 1349 1089">Alkali Scrubber</td> <td data-bbox="1349 997 1598 1089">NOx</td> </tr> <tr> <td data-bbox="756 1089 841 1182">4</td> <td data-bbox="841 1089 1203 1182">Scrubber Connected to Tank Farm-1</td> <td data-bbox="1203 1089 1349 1182">Alkali Scrubber</td> <td data-bbox="1349 1089 1598 1182">VOC</td> </tr> <tr> <td data-bbox="756 1182 841 1274">5</td> <td data-bbox="841 1182 1203 1274">Scrubber Connected to Tank Farm-2</td> <td data-bbox="1203 1182 1349 1274">Alkali Scrubber</td> <td data-bbox="1349 1182 1598 1274">VOC</td> </tr> <tr> <td data-bbox="756 1274 841 1388">6</td> <td data-bbox="841 1274 1203 1388">Common Alkali Scrubber Connected to SO2 Tank Farm</td> <td data-bbox="1203 1274 1349 1388">Alkali Scrubber</td> <td data-bbox="1349 1274 1598 1388">SO2</td> </tr> <tr> <td data-bbox="756 1388 841 1480">7</td> <td data-bbox="841 1388 1203 1480">DCA Plant vacuum pump storage tank</td> <td data-bbox="1203 1388 1349 1480">Water Scrubber</td> <td data-bbox="1349 1388 1598 1480">VOC</td> </tr> <tr> <td data-bbox="756 1480 841 1602">8</td> <td data-bbox="841 1480 1203 1602">HNO3 Tank</td> <td data-bbox="1203 1480 1349 1602">3 stage lime scrubber</td> <td data-bbox="1349 1480 1598 1602">NOx</td> </tr> <tr> <td data-bbox="756 1602 841 1694">9</td> <td data-bbox="841 1602 1203 1694">Liq SO3 and 25% oleum tank</td> <td data-bbox="1203 1602 1349 1694">Acid Scrubber</td> <td data-bbox="1349 1602 1598 1694">SO2</td> </tr> <tr> <td data-bbox="756 1694 841 1816">10</td> <td data-bbox="841 1694 1203 1816">SAC and TAR plant</td> <td data-bbox="1203 1694 1349 1816">Alkali Spray Scrubber</td> <td data-bbox="1349 1694 1598 1816">SO2 VOC</td> </tr> <tr> <td data-bbox="756 1816 841 1871">11</td> <td data-bbox="841 1816 1203 1871">DCP Plant: DCA Sulphate</td> <td data-bbox="1203 1816 1349 1871">Ventury</td> <td data-bbox="1349 1816 1598 1871">SO2</td> </tr> </tbody> </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	Ventury	SO2
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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch


		Vent	Water Scrubber	VOC																																			
25	Unit shall provide two stage alkali scrubber as APCM with storage tanks to control VOC.	<p>Complied 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 Annexure-5 The detailed table of APCM is provided in Point No.24</p>																																					
26	Diesel to the tune of 660 Lit/hr shall be used as fuel in 2 nos. Of D.G. Set (Standby).	<p>Diesel to the tune of 660 Lit/hr shall be used as fuel in 2 nos. Of D.G. Set (Standby). till 22/09/2021 After then Diesel to the tune of 1800 Lit/hr will be used as fuel in 3 nos. of D.G. Set. As per CC&A Amendment No. AWH - 113931 Dated on 22/09/2021 valid upto 19/02/2025. Records of diesel consumption month-wise given as below:</p> <p style="text-align: center;">Diesel Consumption</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Apr, 23</th> <th>May, 23</th> <th>Jun, 23</th> <th>Jul, 23</th> <th>Aug, 23</th> <th>Sep,23</th> </tr> </thead> <tbody> <tr> <td>Limit</td> <td colspan="6" style="text-align: center;">1800 Lit/Hr</td> </tr> <tr> <td>Total Diesel Consumption (Litre/Month)</td> <td>480</td> <td>495</td> <td>495</td> <td>480</td> <td>500</td> <td>525</td> </tr> <tr> <td>Diesel Consumption (Litre/Hr)</td> <td>0.67</td> <td>0.69</td> <td>0.69</td> <td>0.67</td> <td>0.69</td> <td>0.73</td> </tr> </tbody> </table> <p style="text-align: center;">The total diesel consumption is under prescribed limit</p>			Month	Apr, 23	May, 23	Jun, 23	Jul, 23	Aug, 23	Sep,23	Limit	1800 Lit/Hr						Total Diesel Consumption (Litre/Month)	480	495	495	480	500	525	Diesel Consumption (Litre/Hr)	0.67	0.69	0.69	0.67	0.69	0.73							
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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.	<p>Complied Unit has ensured to take all necessary measures to reduce the process vapor emission. The unit has installed scrubbers and has installed a solvent recovery system as mentioned in condition number 4. Report of workplace monitoring is attached in Annexure-6</p> <table border="1"> <thead> <tr> <th colspan="7" style="text-align: center;">TVOC (PPM)</th> </tr> <tr> <th>Month</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td>Locations</td> <td colspan="6" style="text-align: center;">TWA Concentration (As given in Schedule-II as per factory act) - --</td> </tr> <tr> <td>DCA Plant Ground Floor</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> </tr> <tr> <td>DCA Plant 1st Floor</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> </tr> </tbody> </table>			TVOC (PPM)							Month	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	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
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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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DCA Plant 2nd Floor	BDL	BDL	BDL	BDL	BDL	BDL			
28	<p>The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.</p> <p>Internal roads shall be either concrete or asphalted or paved properly to reduce the fugitive emission during vehicular movement.</p> <p>Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.</p> <p>A green belt shall be developed all round the plant boundary and also the roads to mitigate fugitive & transport dust emission.</p>	<p>Complied Unit has followed below guidelines to reduce the fugitive emissions in the work zone.</p> <p>Internal roads have been concreted. Photograph has been attached as below:</p>  <p>The site is not using coal or any other material that will generate fine dust particles. Hence, sprinklers are not installed in the process area But, water sprinklers have been provided in the greenbelt. Photographs for the same attached as below:</p>  <p>Green belt has been developed in and around the plant boundary and roads to mitigate fugitive & transport dust emission.</p>							

		<p>Photographs of Green belt area attached as below:</p>  <p>Fugitive Emission Monitoring is carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of Dust monitoring is attached in Annexure-6 and</p> <table border="1" data-bbox="776 974 1599 1423"> <thead> <tr> <th colspan="7">Dust Monitoring (mg/m3)</th> </tr> <tr> <th>Month</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td>Location</td> <td colspan="6">Behind ETP Area with Handy Sampler</td> </tr> <tr> <td>Limit</td> <td colspan="6">TWA Concentration (As given in Schedule-II as per factory act) - 10 mg/m3 (Average)</td> </tr> <tr> <td>Air Borne Contamination (Total Dust)</td> <td>0.15</td> <td>0.18</td> <td>0.15</td> <td>0.12</td> <td>0.13</td> <td>0.15</td> </tr> </tbody> </table> <p>All the Dust monitoring parameters are under prescribed limit</p>	Dust Monitoring (mg/m3)							Month	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	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)	0.15	0.18	0.15	0.12	0.13	0.15
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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&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.). Report of Work Zone area monitoring is attached in Annexure-6</p> <p>The detail table of APCM is provided in Point No.27</p>																																			
30	For control of fugitive emission, VOCs, following steps shall be followed: Closed handling and charging systems shall be provided for chemicals. Reflux condenser shall be provided over Reactors / Vessels.	<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>																																			

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

	<p>Pumps shall be provided with mechanical seals to prevent leakages.</p>																																																																				
<p>31</p>	<p>Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosure.</p>	<p>Complied Unit has provided an enclosure system for air borne dust at all transfer operations.</p>																																																																			
<p>32</p>	<p>Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx and VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.</p>	<p>Complied The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorised party (Unistar Environment & Research Labs Pvt. Ltd.) . Report of Ambient air quality monitoring is attached in Annexure-7 The table for the same is as below:</p> <table border="1" data-bbox="773 1104 1601 1864"> <thead> <tr> <th colspan="8">AAQMS Monitoring</th> </tr> <tr> <th>Location</th> <th>Parameter</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Near Maingate</td> <td>PM10 (100 µg/m3)</td> <td>84</td> <td>88</td> <td>76</td> <td>82</td> <td>69</td> <td>70</td> </tr> <tr> <td>PM2.5 (60 µg/m3)</td> <td>30</td> <td>32</td> <td>25</td> <td>20</td> <td>21</td> <td>25</td> </tr> <tr> <td>SO2 (80 µg/m3)</td> <td>24.5</td> <td>20.8</td> <td>16.5</td> <td>19.3</td> <td>15.4</td> <td>18.3</td> </tr> <tr> <td>NO2 (80 µg/m3)</td> <td>26.1</td> <td>25.1</td> <td>20.8</td> <td>25.4</td> <td>21.2</td> <td>19.5</td> </tr> <tr> <td rowspan="3">Near ETP</td> <td>PM10 (100 µg/m3)</td> <td>80</td> <td>76</td> <td>69</td> <td>74</td> <td>65</td> <td>66</td> </tr> <tr> <td>PM2.5 (60 µg/m3)</td> <td>29</td> <td>27</td> <td>27</td> <td>31</td> <td>18</td> <td>22</td> </tr> <tr> <td>SO2 (80 µg/m3)</td> <td>22.6</td> <td>17.3</td> <td>18.4</td> <td>21.2</td> <td>16.3</td> <td>16.2</td> </tr> </tbody> </table>	AAQMS Monitoring								Location	Parameter	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Near Maingate	PM10 (100 µg/m3)	84	88	76	82	69	70	PM2.5 (60 µg/m3)	30	32	25	20	21	25	SO2 (80 µg/m3)	24.5	20.8	16.5	19.3	15.4	18.3	NO2 (80 µg/m3)	26.1	25.1	20.8	25.4	21.2	19.5	Near ETP	PM10 (100 µg/m3)	80	76	69	74	65	66	PM2.5 (60 µg/m3)	29	27	27	31	18	22	SO2 (80 µg/m3)	22.6	17.3	18.4	21.2	16.3	16.2
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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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33	Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.	<p>Complied</p> <p>Unit has provided scrubber systems to reduce process vapors and monitored in plant DCS control systems. All processes are taken in a close loop to control process vapour emissions. Unit has ensured to take all necessary measures to reduce the process vapor emission. VOC Monitoring data are given in Point no. 27</p>																																													
34	The fugitive emission in work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission. Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. 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.	<p>Complied</p> <p>Unit has followed below guidelines to reduce the fugitive emissions in the work zone.</p> <p>Internal roads have been concreted. Photograph of the same is given in Point No. 28</p> <p>Water sprinklers have been provided at suitable locations in the plant. Photograph of the same is given in Point No. 28</p> <p>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</p>																																													
A.4 SOLID/HAZARDOUS WASTE																																															
35	ETP Sludge shall be disposed off at the active common TSDF.	<p>Complied</p> <p>ETP sludge is being disposed of to common TSDF sites such as BEIL. Membership certificate for TSDF site has been received and attached in Annexure-3</p> <p>Annual Generation & Disposal Quantity of Landfill Waste (ETP Sludge & Mee Salt) is as Follows:</p> <table border="1"> <tr> <td></td> <td>Month</td> <td>Apr 2023</td> <td>May 2023</td> <td>Jun 2023</td> <td>Jul 2023</td> <td>Aug 2023</td> <td>Sep 2023</td> </tr> <tr> <td>Waste</td> <td>Limit</td> <td colspan="6" style="text-align: center;">4800 MT/ Year</td> </tr> </table>		Month	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Waste	Limit	4800 MT/ Year																																		
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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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36	Discarded containers/ drums/ bags/ contaminated HDPE / LDPE bags shall be disposed by selling to authorized recyclers.	<p>Complied Unit will discard containers/drums/ bags/contaminated HDPE/ LDPE bags by selling to authorized recyclers. Name of recycler : BEIL, Dahej.</p> <table border="1"> <thead> <tr> <th rowspan="2">Waste</th> <th>month</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> <tr> <th>Limit</th> <th colspan="6">Whatever Generated</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Discard containers/ drums/ bags/ contaminated HDPE/ LDPE bags (33.1) (MT)</td> <td>Generation</td> <td>0</td> <td>0</td> <td>0.910</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Disposal</td> <td>0</td> <td>0</td> <td>0.910</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p align="center">All Waste generation is under the Prescribed limit.</p>	Waste	month	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Limit	Whatever Generated						Discard containers/ drums/ bags/ contaminated HDPE/ LDPE bags (33.1) (MT)	Generation	0	0	0.910	0	0	0	Disposal	0	0	0.910	0	0	0
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37	Used oil shall be sold only to the registered re-processor or use for lubrication within premises.	<p>Complied. During the Compliance period Apr-23 to Sep-23, used oil was sent to the authorized registered recyclers. Details are as follows:</p> <table border="1"> <thead> <tr> <th rowspan="2">Waste</th> <th>month</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> <tr> <th>Limit</th> <th colspan="6">6 KL/Annum</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Used Oil Generation(5.1) (KL)</td> <td>Generation</td> <td>3.5</td> <td>0</td> <td>0</td> <td>0.2</td> <td>0</td> <td>0</td> </tr> <tr> <td>Disposal</td> <td>0</td> <td>2.150</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p align="center">Used Oil Generation under prescribed limit</p>	Waste	month	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Limit	6 KL/Annum						Used Oil Generation(5.1) (KL)	Generation	3.5	0	0	0.2	0	0	Disposal	0	2.150	0	0	0	0
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38	Spent carbon, Gypsum shall be sent for co-processing in cement industries or send to Common Hazardous Waste Incineration facility for incineration.	Complied unit has not generated the Spent Carbon till the date.																														
39	Management of spent solvent shall be as per the specific condition mentioned above.	Complied It is managed as required, data of solvent recovery is given in Point No. 3.																														
A.5 OTHER																																

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

40	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Jyoti Om Chemical Research Center Pvt. Ltd., Ankleshwar and submitted by project proponent vide letter no. NIL dated 02/02/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Complied Unit strictly adheres to the commitments made to the SEAC. Annexure-8
B. GENERAL CONDITIONS		
B.1 CONSTRUCTION PHASE		
41	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Complied Unit has 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	Complied Unit has converted to operation phase from construction phase and obtained -Factory Licence No. 41555 , dated: 1st February, 2020. Attached as Annexure-9



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

	rules made there under their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	
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 Annexure-10 . The Noise monitoring detail has been provided in Point No. 87.
47	Use of Diesel Generator (DG) sets during the construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Complied 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 Annexure-11
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


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

<p>53</p>	<p>The water meter shall be installed and records of daily and monthly water consumption shall be maintained.</p>	<p>Complied. Unit has installed water meters and maintains the record on a daily and monthly basis.</p>  <p style="text-align: right;">Water</p> <p>Consumption data is given in point No. 9</p>
<p>54</p>	<p>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>	<p>Complied. The unit had adopted Best Available Technology (BAT) to reduce, recycle and reuse the treated effluent.</p> <p>The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE. The unit will reuse permeate/condensate generated from RO, DEE & MEE in the cooling tower.</p> <p>Photographs are given in Point No 2.</p>
<p>B.2.2 AIR</p>		
<p>55</p>	<p>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>	<p>Complied Unit has provided Acoustic enclosure to DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.</p>  <p>Report of Noise monitoring is attached in Annexure-10 The Noise monitoring detail has been provided in Point No. 87.</p>
<p>56</p>	<p>Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.</p>	<p>Complied. Unit has provided adequate stack height around 33 meter DG stack and scrubber around 11 meter for flue gas/ process gas emission.</p>



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

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 Annexure-11 & process gas emission monitoring of APCM scrubbers are attached in Annexure-12</p> 
58	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	<p>Complied</p> <p>All reactors and vessels are in a closed loop. VOC monitoring report of the workplace area is attached in Annexure-6. The same has been detailed in Point No. 29.</p>
B.2.3 HAZARDOUS/SOLID WASTE		
59	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.	<p>Complied</p> <p>Unit 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.</p>
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>


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

		 <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)	Complied Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in Annexure- 3
62	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988 and rules made there under.	Complied Unit is ensuring to deploy trucks/Tankers as per the provisions under the Motor Vehicle Act, 1988 and rules made there under for the transportation of hazardous waste. Unit is Following the AIS 140 based GPS tracking System for all the Hazardous Waste Vehicle.
63	The design of the Trucks/ tankers shall be such that there is no spillage during transportation.	Complied Unit is ensuring to deploy trucks/Tankers suitable for hazardous waste so that there will not be any leakage / spillage during transportation.
64	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied Unit is putting all efforts to pre-treat / process the hazardous waste before disposal to TSDF / CHWIF.
65	Management of fly ash (If any) shall be as per the Fly Ash Notification 2009 & its amendment time to time and it shall be ensures that there is 100% utilization of fly ash to be generated from the unit.	Complied Fly ash is not being generated from the unit.
B.2.4 SAFETY		
66	The occupier/ manager shall strictly comply with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.	Complied The occupier has strictly complied with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.


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

67	<p>The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for Handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosive and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.</p>	<p>Complied The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989. PESO Certificate attached in Annexure-13 On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and same has been attached in Annexure-14</p>
68	<p>Main entry and exit shall be separate and clearly marked in the facility.</p>	<p>Complied Main entry & Exit were separated and have been constructed marked clearly.</p> <p>Photographs of Entry</p>  <p>Photograph of Exit</p> 


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

69	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Complied Sufficient peripheral open passage is provided in the margin area for free movement of fire tender/ emergency vehicle around the premises.
70	Storage of flammable chemicals shall be sufficiently away from the production area.	Complied Unit has been constructed as per prevailing rules of government authorities for storage of flammable chemicals. Photographs has been attached as below: 
71	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Complied Unit has provided 307 numbers of fire extinguishers near the plant and storage area. The fire extinguishers are installed in all the process plants such as DCA, DCP, SAC-CR Plant, NSASO2 Plant as well as in ETP, OHC, Admin, Canteen etc. It is installed on every floor in the premises. Annexure-2
72	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals.	Complied Unit is ensuring to take necessary precautions as per the prevailing rules of government authorities for storage and handling of toxic and hazardous chemicals.
73	All the toxic/ hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	Complied Unit will ensure to maintain optimum quantities of toxic / hazardous chemicals. All necessary permissions are obtained in this regard before commencing the expansion activities.
74	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report.	Complied The unit has adhered to the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report. The letter submitted to DISH for Risk Assessment Report, Safety Audit Report, QRA study. The same has been attached in Annexure-14 The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. Annexure-16
75	Only flameproof electrical fittings shall be provided in the plant premises.	Complied Unit has installed flameproof electrical fittings in the plant premises.

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

76	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/ containers instead of on single large capacity tank/ containers.	Complied Unit has restricted the use of single large capacity tanks/ containers and 1 number of tanks are installed for the RM and pure product storage in the Tank farm area.
77	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/ dyke walls shall be provided for storage tanks for hazardous Chemicals.	Complied Unit has installed necessary engineering controls to avoid leakages and hazardous chemical storage tanks have been installed inside a Bund/ dyke wall. Photograph is attached as below: 
78	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer to that minimal human exposure occurs.	Unit has taken all necessary measures to minimize the human exposure to hazardous chemicals by closed loop pumping / vacuum transfer.
79	Tie up shall be done with nearby health care unit/ doctor for seeking immediate medical attention in the case of emergency.	Complied Unit has tied up with nearby health care units/ doctors for seeking immediate medical attention in the case of emergency. Unit has also developed OHC with all medical facility with factory medical officer and staff. The Unit have tie up with Sunshine Global Hospital, Healing Multispeciality Hospital and Baroda Heart Hospital for immediate medical attention in the case of emergency at the Bharuch District. The same has been attached in Annexure-17
80	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Complied Unit has maintained around 50 types of Personal Protective Equipment (PPEs) and provided the same to workers. Unit has encouraged and ensured that PPE's are used by workers as per the requirement for a particular job role. PPEs- Helmet, Goggles, Safety Shoes, Full body safety suit, Double anchored safety harness, Cartridge mask, antistatic hand gloves, bubble hood etc.
81	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied

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

		 <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	<p>Training shall be imparted to all the workers on safety and health aspects of chemicals handling.</p>	<p>Complied Training is given to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees are done on a regular basis. Training to all employees on handling chemicals is imparted regularly.</p> <table border="1" data-bbox="756 877 1604 1150"> <thead> <tr> <th rowspan="2">SR No.</th> <th colspan="3">Safety and Health aspects training to employees</th> </tr> <tr> <th>Total Employees</th> <th colspan="2">Safety Induction</th> </tr> </thead> <tbody> <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>Apr- Sep 23</td> <td>165</td> <td>139</td> </tr> </tbody> </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	Apr- Sep 23	165	139
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1	Apr- Sep 23	165	139																		

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

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.	<p>Complied</p> <p>Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act.</p> <p>Following check up has been carried out in periodical medical checkup.</p> <ul style="list-style-type: none"> - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers <p>Details of health surveillance of the employees and contract workers are given below:</p> <table border="1" data-bbox="878 724 1474 819"> <thead> <tr> <th>Month of surveillance</th> <th>Total no. of Employees</th> </tr> </thead> <tbody> <tr> <td>Apr- Sep,23</td> <td>304</td> </tr> </tbody> </table> <table border="1" data-bbox="878 842 1474 1136"> <thead> <tr> <th>Month of Surveillance</th> <th>No. of Persons</th> </tr> </thead> <tbody> <tr> <td>Apr, 23</td> <td>41</td> </tr> <tr> <td>May, 23</td> <td>31</td> </tr> <tr> <td>June, 23</td> <td>39</td> </tr> <tr> <td>July,23</td> <td>171</td> </tr> <tr> <td>Aug, 23</td> <td>6</td> </tr> <tr> <td>Sep, 23</td> <td>16</td> </tr> </tbody> </table> <p>Medical Examination Summary & Sample Report have been attached in Annexure-18</p>	Month of surveillance	Total no. of Employees	Apr- Sep,23	304	Month of Surveillance	No. of Persons	Apr, 23	41	May, 23	31	June, 23	39	July,23	171	Aug, 23	6	Sep, 23	16
Month of surveillance	Total no. of Employees																			
Apr- Sep,23	304																			
Month of Surveillance	No. of Persons																			
Apr, 23	41																			
May, 23	31																			
June, 23	39																			
July,23	171																			
Aug, 23	6																			
Sep, 23	16																			
84	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>																		
85	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	<p>Complied</p> <p>The unit has adhered to the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report. The letter submitted to DISH for Risk Assessment Report, Safety Audit Report, QRA study. The same has been attached in Annexure-14</p> <p>The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. Annexure- 16.</p>																		
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 Annexure-13</p> <p>Unit has obtained Factory License No. 41555 , dated: 1st February, 2020. Attached as Annexure-9</p> <p>The letter submitted to DISH for onsite emergency plan & safety report. The same has been attached in Annexure-14</p>																		

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

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-23		May-23		June-23		July-23		Aug-23		Sep-23	
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
	Noise Level dB (A)													
Near ETP area			65.5	51.8	66.2	49.5	67.8	52.5	68.5	51.6	63.9	53.4	65.2	52.3
Near D.G. Set			72.5	55.2	71.9	56.1	72.5	54.5	73.2	53.2	71.6	55.2	69.2	54.2
Near Main Gate			65.1	52.3	64.3	53.6	73.4	54.2	67.5	55.4	72.5	53.1	70.5	55.4
Near DCA Plant			67.2	54.2	68.1	52.4	67.3	55.6	68.2	56.2	68.1	66.3	67.2	62.4
Near Material Gate	75 dB (A) 70 dB (A)		66.6	53.4	65.2	54.3	66.2	53.8	67.1	55.1	67.2	54.5	66.5	51.5

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.

Complied
Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat Approved by AICTE, New Delhi & Affiliated to GTU, Ahmedabad.
Cleaner Production Assessment study report is attached as an [Annexure-22](#)

89 The company shall undertake various waste minimization measures such as:

Metering and control of quantities of active ingredient to minimize waste

Reuse of by-products from the process as raw materials or as raw materials substitutes.

Use of automated and close filling to minimize spillages.

Complied
The Unit has implemented waste minimization measures as mentioned below but not limiting to:

Unit has taken all the possible action for the control of quantities of active ingredients to minimize waste.


Unit has taken all the possible action for reuse of by-products from the process as raw materials or as raw materials substitutes.

Unit has installed automated and close filling to minimize spillages.


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

<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>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>
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B.2.7 GREEN BELT AND OTHER PLANTATION

<p>90</p>	<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> 
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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch

91	Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	<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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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> <p>Rain water harvesting tank with the capacity of 100 KL is provided for the Storage of Rain Water for using the collected water during the monsoon.</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> 

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

95	The area earmarked as green area shall be used only for plantation and shall not be alerted for any other purpose.	Complied Unit has not constructed / used the green area for any other purposes. Total area of plot :- 54803.04 m2 Greenbelt within Plant Premises :- 10367.85 m2 , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2 Green Belt at Luvara Village:- 5700 m2 Total Green Belt :- 18188.69 m2
96	All the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Complied Unit has strictly adhered to the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management.
97	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	Complied We will comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
98	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Complied In the event of failure of any pollution control system, the unit will be safely closed down and will not be restarted until the desired efficiency of the control equipment has been achieved. The plant is controlled by DCS system.
99	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	Complied The unit is strictly adhering to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
100	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Complied 1. Unit has ensured no spillages during material transfer and garland drains have been constructed to avoid mixing of accidental spillages with domestic wastewater or stormwater. 2. For transfer of material to a tanker or tanker to a tank, a dyke wall has been made to prevent spillage and mixing with domestic & stormwater. 3. For the transfer of effluent to ETP, dedicated pits with automated pumps are present to prevent overflow. photos of garland tank, dyke wall, dedicated pits with automated pumps

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

		
101	<p>Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.</p>	<p>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.</p>
102	<p>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>	<p>Complied Unit has ensured to not take up any further expansion or modifications in the plant likely to cause environmental impacts without obtaining prior Environment Clearance from the concerned authority. EC expansion has been received on vide number SEIAA/GUJ/EC/5(f)/192 dated 14.02.2023. attached as an Annexure-24.</p>
103	<p>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</p>	<p>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)</p>

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

	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.	Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.									
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>Sewa Rural</td> <td>Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School</td> <td>0.42 lacs-</td> </tr> <tr> <td>Self</td> <td>Greenbelt development opposite to Tatva Chintan Plant</td> <td>80 lacs</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs)	Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-	Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs
Name of Associated NGO	Nature of Work	Amount (Rs)									
Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-									
Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs									
105	The project management shall ensure that the unit complies with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	<p>Complied.</p> <p>Unit has complied with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report. The same has been attached in Annexure-16.</p>									
106	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	<p>Complied</p> <p>The Unit has provided adequate funds and has not diverted the funds provided to implement the conditions stipulated by SEIAA as well as GPCB. The unit has allocated funds towards expenses of operation for waste water treatment plant, environmental monitoring, auditing and Hazardous waste disposal.</p>									
107	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy of each of the same shall be	<p>Complied</p> <p>The advertisement regarding the environmental clearance was given in the local newspapers and the copy of the same was submitted to the concerned regional office. The same has been attached in Annexure-20</p>									

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

	forwarded to the concerned Regional Office of the Ministry.	
108	It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.	Complied Last half yearly compliance report for the period of Oct 2022 to March 2022 submitted on the date of 31st May, 2023.
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.
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.

SR NO	TAG	TYPE	LOCATION	INST RANGE	CALIBRATION RANGE	CALIBRATION DATE	DUE DATE
1	H2-001	Hydrogen	QC LAB GAS BANK (Gnd Floor)	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
2	H2-002	Hydrogen	GC LAB	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
3	H2-003	Hydrogen	GC LAB	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
4	H2-004	Hydrogen	GCMS ROOM	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
5	H2-005	Hydrogen	General Lab	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
6	H2-006	Hydrogen	Inside R&D Lab (auto clave room)	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
7	O2-001	Oxygen(Inflation/Deflation)	GC ROOM	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
8	O2-002	Oxygen(Inflation/Deflation)	GCMS ROOM	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
9	O2-003	Oxygen(Inflation/Deflation)	General Lab	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
10	O2-004	Oxygen(Inflation/Deflation)	Inside R&D Lab (auto clave room)	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
11	O2-005	Oxygen(Depletion Type)	Duct -1 (Above Document Room)	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
12	O2-006	Oxygen(Depletion Type)	QC LAB DUCT 2	0-30 % Volume	15% Volume	12.08.2023	11.02.2024
13	NH3-001	Ammonia	Duct -1 (Above Document Room)	100 PPM	50 PPM	12.08.2023	11.02.2024
14	NH3-002	Ammonia	QC LAB DUCT 2	100 PPM	50 PPM	12.08.2023	11.02.2024
15	CO-001	Carbon Monoxide	Duct -1 (Above Document Room)	1000 PPM	500 PPM	12.08.2023	11.02.2024
16	CO-002	Carbon Monoxide	QC LAB DUCT 2	1000 PPM	500 PPM	12.08.2023	11.02.2024
17	H2S-001	Hydrogen sulphide	Duct -1 (Above Document Room)	100 PPM	50 PPM	12.08.2023	11.02.2024
18	H2S-002	Hydrogen sulphide	QC LAB DUCT 2	100 PPM	50 PPM	12.08.2023	11.02.2024
19	AT-1103	Hydrogen	H2 PRS Station -Gnd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
20	AT-1104	Hydrogen	2P0103 Top -Gnd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
21	AT-1106	Hydrogen	2V0105 Top- 2nd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
22	AT-1107	Hydrogen	2R0101 to 2E0101 Line - 3 rd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
23	AT-1109	Hydrogen	2V0110 Top- 3 rd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
24	AT-1110	Hydrogen	2E0104 Top -5 th Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
25	AT-1111	Hydrogen	Vent Header- 5 th floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
26	AT-1108	Methanol	2V0201 Top- 4 th Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
27	AT-1105	Methanol	2P0101 A Gnd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024

28	AT-1101	Methanol	2V0118 Methanol Storage Tank Gnd floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
29	AT-1102	Methanol	P-116A/B -Gnd floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
30	AT-1112	Methanol	2V0103 Top -2nd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
31	AT-1113	Methanol	On DCA XYLENE Tank	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
32	5-ANT-0104	So2 Gas	ABOVE 5-R-0101	0 to 20 PPM		11.08.2023	10.02.2024
33	5-ANT-0106	So2 Gas	AT BUFFER TANK 5V0106	0 to 20 PPM		11.08.2023	10.02.2024
34	5-ANT-0208	So2 Gas	ABOVE 5-R-0202	0 to 20 PPM		11.08.2023	10.02.2024
35	5-ANT-0107	So2 Gas	BESIDE 5-R-0101	0 to 20 PPM		11.08.2023	10.02.2024
36	5-ANT-0105	So2 Gas	BESIDE SPARGER TANK	0 to 20 PPM		11.08.2023	10.02.2024
37	5-ANT-0103	So2 Gas	ABOVE SPARGER TANK 5-A-0101	0 to 25 PPM		11.08.2023	10.02.2024
38	5-ANT-0108	So2 Gas	BETWEEN 5-R-0203& 5-R-0202	0 to 25 PPM		11.08.2023	10.02.2024
39	5-ANT-0109	So2 Gas	ABOVE SULFER MELTER	0 to 20 PPM		11.08.2023	10.02.2024
40	4-AT-0317	Xylene	CR PLANT 2nd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
41	4-AT-0318	Xylene	CR PLANT 1st Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
42	2-AT-0201	Methanol	RECOVERD MEOH		0-100% LEL	12.08.2023	11.02.2024
43	2-AT-0202	Methanol	RECOVERD MEOH		0-100% LEL	12.08.2023	11.02.2024
44	2-AT-0203	Methanol	2-V-0104 SAMPLE VALVE		0-100% LEL	12.08.2023	11.02.2024
45	9-AT-1001	ozone	OZONE GENERATER		0-10 ppm	12.08.2023	11.02.2024
46	9-AT-1002	ozone	OZONE GENERATER		0-10 ppm	12.08.2023	11.02.2024
47	9-AT-0904	Xylene	ETP PHENOL PLANT		0-100% LEL	11.08.2023	10.02.2024
48	9-AT-0905	Xylene	ETP PHENOL PLANT		0-100% LEL	11.08.2023	10.02.2024
49	ADMIN-01	Hydrogen	Admin Building UPS ROOM	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
1	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/01	OUT SIDE	974	OK
2	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/02	OUT SIDE	6111	OK
3	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/03	OUT SIDE	6135	OK
4	ABC	09 KG	OHC	OHC/04	OUT SIDE	1091	OK
5	ABC	09 KG	MCC BUILDING - G/F	MCC/GF/05	CABLE ROOM	6104	OK
6	ABC	09 KG	MCC BUILDING - G/F	MCC/GF/06	CABLE ROOM	6208	OK
7	ABC	09 KG	MCC BUILDING - F/F	MCC/FF/07	PENAL ROOM	2023	OK
8	ABC	09 KG	MCC BUILDING - F/F	MCC/FF/08	PENAL ROOM	6196	OK
9	ABC	09 KG	MCC BUILDING - S/F	MCC/SF/09	PENAL ROOM	6144	OK
10	ABC	09 KG	MCC BUILDING - S/F	MCC/SF/10	PENAL ROOM	6177	OK
11	ABC	09 KG	MCC BUILDING - T/F	MCC/TF/11	QC R & D LAB	6103	OK
12	ABC	09 KG	DCA PLANT	DCA/GF/12	GROUND FLOOR	00975	OK
13	ABC	09 KG	DCA PLANT	DCA/GF/13	GROUND FLOOR	2043	OK
14	ABC	09 KG	DCA PLANT	DCA/FF/14	FIRST FLOOR	00975	OK
15	ABC	09 KG	DCA PLANT	DCA/FF/15	FIRST FLOOR	6187	OK
16	ABC	09 KG	DCA PLANT	DCA/SF/16	SECOND FLOOR	01084	OK
17	ABC	09 KG	DCA PLANT	DCA/SF/17	SECOND FLOOR	5330	OK
18	ABC	09 KG	DCA PLANT	DCA/TF/18	THIRD FLOOR	6123	OK
19	ABC	09 KG	DCA PLANT	DCA/TF/19	THIRD FLOOR	N/A	OK
20	ABC	09 KG	DCA PLANT	DCA/4TH/20	FORTH FLOOR	1087	OK
21	ABC	09 KG	DCA PLANT	DCA/4TH/21	FORTH FLOOR	06154	OK
22	ABC	09 KG	DCA PLANT	DCA/5TH/22	FIFTH FLOOR	2019	OK
23	ABC	09 KG	DCA PLANT	DCA/5TH/23	FIFTH FLOOR	2032	OK
24	ABC	09 KG	DCA PLANT	DCA/6TH/24	SIXTH FLOOR	06117	OK
25	ABC	09 KG	METHANOL TANK	METH.TANK/25	METHANOL TANK	06166	OK
26	ABC	09 KG	METHANOL TANK	METH.TANK/26	METHANOL TANK	6116	OK
27	ABC	09 KG	ETP C/R	ETP/CR/GF/27	RM STORE OUTSIDE	2028	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
28	ABC	09 KG	ETP C/R	ETP/CR/SF/28	SECOND FLOOR	2025	OK
29	ABC	09 KG	ETP - 2	ETP-02/GF/29	GROUND FLOOR	1083	OK
30	ABC	09 KG	ETP - 2	ETP-02/GF/30	GROUND FLOOR	01085	OK
31	ABC	06 KG	ETP - 2	ETP-02/FF/31	FIRST FLOOR	8870	OK
32	ABC	09 KG	DCP PLANT	DCP/GF/32	GROUND FLOOR	06147	OK
33	ABC	09 KG	DCP PLANT	DCP/GF/33	GROUND FLOOR	06127	OK
34	ABC	09 KG	DCP PLANT	DCP/GF/34	GROUND FLOOR	06160	OK
35	ABC	09 KG	DCP PLANT	DCP/GF/35	GROUND FLOOR	06181	OK
36	ABC	09 KG	DCP PLANT	DCP/GF/36	GROUND FLOOR	N/A	OK
37	ABC	09 KG	DCP PLANT	DCP/GF/37	GROUND FLOOR	06114	OK
38	ABC	09 KG	DCP PLANT	DCP/FF/38	FIRST FLOOR	06108	OK
39	ABC	09 KG	DCP PLANT	DCP/FF/39	FIRST FLOOR	06105	OK
40	ABC	09 KG	DCP PLANT	DCP/FF/40	FIRST FLOOR	2033	OK
41	ABC	09 KG	DCP PLANT	DCP/FF/41	FIRST FLOOR	6137	OK
42	ABC	09 KG	DCP PLANT	DCP/FF/42	FIRST FLOOR	42	OK
43	ABC	09 KG	DCP PLANT	DCP/FF/43	FIRST FLOOR	N/A	OK
44	ABC	09 KG	DCP PLANT	DCP/SF/44	SECOND FLOOR	06139	OK
45	ABC	09 KG	DCP PLANT	DCP/SF/45	SECOND FLOOR	06179	OK
46	ABC	09 KG	DCP PLANT	DCP/SF/46	SECOND FLOOR	06161	OK
47	ABC	09 KG	DCP PLANT	DCP/SF/47	SECOND FLOOR	06230	OK
48	ABC	09 KG	DCP PLANT	DCP/SF/48	SECOND FLOOR	06157	OK
49	ABC	09 KG	DCP PLANT	DCP/SF/49	SECOND FLOOR	06182	OK
50	ABC	09 KG	DCP PLANT	DCP/TF/50	THIRD FLOOR	06131	OK
51	ABC	09 KG	DCP PLANT	DCP/TF/51	THIRD FLOOR	6142	OK
52	ABC	09 KG	DCP PLANT	DCP/TF/52	THIRD FLOOR	N/A	OK
53	ABC	09 KG	DCP PLANT	DCP/TF/53	THIRD FLOOR	06126	OK
54	ABC	09 KG	DCP PLANT	DCP/TF/54	THIRD FLOOR	06214	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
55	ABC	09 KG	DCP PLANT	DCP/TF/55	THIRD FLOOR	06124	OK
56	ABC	06 KG	SAC PLANT	SAC/GF/56	GROUND FLOOR	06165	OK
57	ABC	09 KG	SAC PLANT	SAC/GF/57	GROUND FLOOR	00973	OK
58	ABC	09 KG	SAC PLANT	SAC/FF/58	FIRST FLOOR		OK
59	ABC	09 KG	SAC PLANT	SAC/FF/59	FIRST FLOOR	6178	OK
60	ABC	09 KG	SAC PLANT	SAC/SF/60	SECOND FLOOR	968	OK
61	ABC	09 KG	SAC PLANT	SAC/SF/61	SECOND FLOOR	6216	OK
62	ABC	09 KG	SAC PLANT	SAC/TF/62	THIRD FLOOR	06197	OK
63	ABC	09 KG	SAC PLANT	SAC/TF/63	THIRD FLOOR	06134	OK
64	ABC	09 KG	SAC PLANT	SAC/4TH/64	FOURTH FLOOR	06109	OK
65	ABC	09 KG	SAC PLANT	SAC/4TH/65	FOURTH FLOOR	00970	OK
66	ABC	09 KG	CR PLANT	CR/GF/66	GROUND FLOOR	06211	OK
67	ABC	09 KG	CR PLANT	CR/GF/67	GROUND FLOOR	06199	OK
68	ABC	09 KG	CR PLANT	CR/GF/68	GROUND FLOOR	06120	OK
69	ABC	09 KG	CR PLANT	CR/FF/70	FIRST FLOOR	06194	OK
70	ABC	09 KG	CR PLANT	CR/FF/71	FIRST FLOOR	06195	OK
71	ABC	09 KG	CR PLANT	CR/SF/72	SECOND FLOOR	06170	OK
72	ABC	09 KG	CR PLANT	CR/SF/73	SECOND FLOOR	06112	OK
73	ABC	09 KG	TANK FARM -02	T.FARM-02/74	WEST SIDE	06694	OK
74	ABC	09 KG	TANK FARM -02	T.FARM-02/75	WEST SIDE	06121	OK
75	ABC	09 KG	TANK FARM -02	T.FARM-02/76	NORTH SIDE	06158	OK
76	ABC	09 KG	SECURITY BUILDING-02	SEC.02/80	OUT SIDE	6225	OK
77	ABC	09 KG	SECURITY BUILDING-02	SEC.02/81	OUT SIDE	6110	OK
78	ABC	09 KG	SECURITY BUILDING-02	SEC.02/82	OUT SIDE	6226	OK
79	ABC	09 KG	ISO MCC	ISO.MCC/83	PANEL ROOM	02040	OK
80	ABC	09 KG	TANK FARM - 01	T.FARM-01/90	SOUTH SIDE	06171	OK
81	ABC	09 KG	TANK FARM - 01	T.FARM-01/91	SOUTH SIDE	06148	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
82	ABC	09 KG	TANK FARM - 01	T.FARM-01/92	SOUTH SIDE	06102	OK
83	ABC	09 KG	TANK FARM - 01	T.FARM-01/93	SOUTH SIDE	01089	OK
84	ABC	09 KG	TANK FARM - 01	T.FARM-01/94	WEST SIDE	06115	OK
85	ABC	09 KG	TANK FARM - 01	T.FARM-01/95	WEST SIDE	06169	OK
86	ABC	09 KG	TANK FARM - 01	T.FARM-01/96	WEST SIDE	06150	OK
87	ABC	09 KG	TANK FARM - 01	T.FARM-01/97	NORTH SIDE	06228	OK
88	ABC	09 KG	TANK FARM - 01	T.FARM-01/98	NORTH SIDE	06113	OK
89	ABC	09 KG	TANK FARM - 01	T.FARM-01/99	NORTH SIDE	06132	OK
90	ABC	09 KG	TANK FARM - 01	T.FARM-01/100	NORTH SIDE	6175	OK
91	ABC	09 KG	TANK FARM - 01	T.FARM-01/101	EAST SIDE	06133	OK
92	ABC	09 KG	TANK FARM - 01	T.FARM-01/102	EAST SIDE	06140	OK
93	ABC	09 KG	NSA TANK FARM	NSA T.FARM/103	NORTH SIDE	06145	OK
94	ABC	09 KG	NSA TANK FARM	NSA T.FARM/104	NORTH SIDE	06172	OK
95	ABC	09 KG	SULFUR YARD	SULFUR YARD/105	SOUTH SIDE	06201	OK
96	ABC	09 KG	SULFUR YARD	SULFUR YARD/106	SOUTH SIDE	06188	OK
97	ABC	09 KG	NSA PLANT	NSA/GF/107	GROUND FLOOR	06156	OK
98	ABC	09 KG	NSA PLANT	NSA/GF/108	GROUND FLOOR	06198	OK
99	ABC	09 KG	NSA PLANT	NSA/GF/109	GROUND FLOOR	06159	OK
100	ABC	09 KG	NSA PLANT	NSA/GF/110	GROUND FLOOR	06232	OK
101	ABC	09 KG	NSA PLANT	NSA/GF/111	GROUND FLOOR	06209	OK
102	ABC	09 KG	NSA PLANT	NSA/FF/112	FIRST FLOOR	6163	OK
103	ABC	09 KG	NSA PLANT	NSA/FF/113	FIRST FLOOR	06118	OK
104	ABC	09 KG	NSA PLANT	NSA/FF/114	FIRST FLOOR	06128	OK
105	ABC	09 KG	NSA PLANT	NSA/FF/115	FIRST FLOOR	06107	OK
106	ABC	09 KG	ETP - 01	ETP-01/GF/116	GROUND FLOOR	INVISIBLE	OK
107	ABC	09 KG	PHENOL BUILDING	ETP/PHE/GF/120	GROUND FLOOR	INVISIBLE	OK
108	ABC	09 KG	PHENOL BUILDING	ETP/PHE/FF/121	FIRST FLOOR	INVISIBLE	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
109	ABC	09 KG	PHENOL BUILDING	ETP/PHE/SF/122	SECOND FLOOR	INVISIBLE	OK
110	ABC	09 KG	HT ROOM	HT ROOM/GF/123	GROUND FLOOR	06207	OK
111	ABC	09 KG	HT ROOM	HT ROOM/GF/124	GROUND FLOOR	06223	OK
112	ABC	09 KG	HT ROOM	HT ROOM/FF/125	FIRST FLOOR	06152	OK
113	ABC	09 KG	HT ROOM	HT ROOM/FF/126	FIRST FLOOR	06206	OK
114	ABC	75 KG	MCC.DG AREA	MCC.DG/GF/127	OUTSIDE	00101	OK
115	ABC	75 KG	MCC.TRANS AREA	MCC.TR/GF/128	OUTSIDE	00102	OK
116	ABC	09 KG	MCC BUILDING	MCC TERRACE/129	TERRACE AREA	06166	OK
117	CLEAN AGENT	04 KG	CATALYST ROOM	CATALYST ROOM-132	GROUND FLOOR	00378	OK
118	CLEAN AGENT	04 KG	CATALYST ROOM	CATALYST ROOM-133	GROUND FLOOR	00380	OK
119	ABC	09 KG	COOLING TOWER	COOLING TOWER/134	GROUND FLOOR	06151	OK
120	ABC	09 KG	COOLING TOWER	COOLING TOWER/135	GROUND FLOOR	INVISIBLE	OK
121	ABC	09 KG	MCC BUILDING - T/F	GC/LAB/136	THIRD FLOOR	06155	OK
122	ABC	09 KG	MCC BUILDING - T/F	S.C. ROOM/LAB/137	THIRD FLOOR	06222	OK
123	ABC	09 KG	MCC BUILDING - T/F	WASHING AREA LAB/138	THIRD FLOOR	06153	OK
124	ABC	09 KG	MCC BUILDING - T/F	WET LAB/139	THIRD FLOOR	INVISIBLE	OK
125	ABC	09 KG	MCC BUILDING - T/F	WET LAB/140	THIRD FLOOR	06215	OK
126	ABC	09 KG	MCC BUILDING - T/F	MCC/GF/141	GROUND FLOOR	06167	OK
127	ABC	09 KG	MCC BUILDING - T/F	QC LAB/142	THIRD FLOOR	06191	OK
128	ABC	09 KG	MEE PLANT	MEE/GF/143	GROUND FLOOR	06219	OK
129	ABC	09 KG	MEE PLANT	MEE/GF/144	GROUND FLOOR	INVISIBLE	OK
130	ABC	09 KG	PHENOL BUILDING	ETP/PHE/GF/145	GROUND FLOOR	06212	OK
131	ABC	09 KG	MCC BUILDING	MCC TERRACE/146	TERRACE AREA	6180	OK
132	ABC	09 KG	INSTRUMENT WAREHOUSE	INST.WH/147	GROUND FLOOR	06231	OK
133	ABC	06 KG	SAC PLANT	SAC/GF/148	GROUND FLOOR	08887	OK
134	ABC	06 KG	SAC PLANT	SAC/FF/149	FIRST FLOOR	36258	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
135	ABC	06 KG	SAC PLANT	SAC/SF/150	SECOND FLOOR	5331	OK
136	ABC	09 KG	SAC PLANT	SAC/TF/151	THIRD FLOOR	1086	OK
137	ABC	06 KG	SAC PLANT	SAC/4TH/152	FORTH FLOOR	8878	OK
138	DCP	75 KG	FIRE TENDER	FT/153	LOCKER NO - 03	00009	OK
139	DCP	75 KG	FIRE TENDER	FT/154	LOCKER NO - 04	00011	OK
140	ABC	06 KG	DCP	DCP/GF/155	DCP/EAST SIDE	06184	OK
141	ABC	09 KG	ETP-1	ETP1/GF/158	GROUND FLOOR	6205	OK
142	ABC	09 KG	ADMIN	ADMIN/FF/159	SOUTH SIDE	2024	OK
143	ABC	09 KG	ADMIN	ADMIN/FF/160	SOUTH SIDE	2039	OK
144	ABC	09 KG	ADMIN	ADMIN/FF/161	SOUTH SIDE	2030	OK
145	ABC	09 KG	ADMIN	ADMIN/FF/162	NORTH SIDE	1092	OK
146	ABC	09 KG	ADMIN	ADMIN/FF/163	NORTH SIDE	2027	OK
147	ABC	09 KG	ADMIN	ADMIN/TERRACE/164	NORTH SIDE	2026	OK
148	ABC	09 KG	ADMIN	ADMIN/TERRACE/165	NORTH SIDE	2037	OK
149	ABC	09 KG	MCC BUILDING	MCC/LIFT/166	SOUTH SIDE	2029	OK
150	CLEAN AGENT	04 KG	ADMIN	ADMIN/SF/01	NORTH SIDE	00372	OK
151	CLEAN AGENT	04 KG	ADMIN	ADMIN/SF/02	SOUTH SIDE	00371	OK
152	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/03	SOUTH SIDE	00374	OK
153	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/04	SOUTH SIDE	00377	OK
154	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/05	SOUTH SIDE	00373	OK
155	ABC	06 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 172	IN SIDE	05330	OK
156	ABC	09 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 173	IN SIDE	07655	OK
157	ABC	06 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 174	IN SIDE	36227	OK
158	ABC	06 KG	ADMIN	MECH.STORE/175	MECH.STORE	08884	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
159	ABC	06 KG	ADMIN	MECH.STORE/176	MECH.STORE	08885	OK
160	ABC	06 KG	ADMIN	MECH.STORE/177	MECH.STORE	08875	OK
161	ABC	06 KG	ADMIN	MECH.STORE/178	MECH.STORE	8876	OK
162	ABC	06 KG	ADMIN	MECH.STORE/179	MECH.STORE	8873	OK
163	ABC	06 KG	ADMIN	MECH.STORE/180	MECH.STORE	8877	OK
164	ABC	06 KG	ADMIN	INST.W.S/181	INST.W.S	8872	OK
165	ABC	09 KG	NOM.M.W	NOM.M.W/182	ETP-01 BACK SIDE	6200	OK
166	ABC	09 KG	NEW T .W.SHOP	NTW.SHOP/183	NTW.SHOP	6144	OK
167	ABC	06 KG	JACCON.W.SHOP	JACCON.W.SHOP/184	JACCON.W.SHOP	8874	OK
168	ABC	06 KG	VISHAL . W. SHOP	VISHAL.W.SHOP/185	VISHAL.W.SHOP	8886	OK
169	ABC	09 KG	ETP - 02	ETP-02/SF/186	SECOND FLOOR	INVISIBLE	OK
170	NOVEC 1230		ADMIN - IT SERVAR ROOM	IT SARVAR ROOM / 187	SECOND FLOOR	-----	
171	NOVEC 1230		ADMIN - IT SERVAR ROOM	IT SARVAR ROOM / 188	SECOND FLOOR	-----	

SR. NO.	TYPE OF FIRE EXTINGUISHER	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG	CYLINDER CONDITION (OK/NOT OK)
1	CO2	9 KG	HT ROOM	HT ROOM/GF/01	GROUND FLOOR	00984	YES	OK
2	CO2	9 KG	HT ROOM	HT ROOM/GF/02	GROUND FLOOR	00986	YES	OK
3	CO2	9 KG	HT ROOM	HT ROOM/FF/03	FIRST FLOOR	00335	YES	OK
4	CO2	9 KG	HT ROOM	HT ROOM/FF/04	FIRST FLOOR	00333	YES	OK
5	CO2	9 KG	MCC BUILDING	MCC.DG/GF/08	DG SET AREA	00338	YES	OK
6	CO2	9 kG	MCC BUILDING	MCC.DG/GF/09	DG SET AREA	00981	YES	OK
7	CO2	9 kG	MCC BUILDING	MCC.DG/GF/10	DG SET AREA	00340	YES	OK
8	CO2	9 KG	MCC BUILDING	MCC/GF/11	GROUND FLOOR CABLE CELLAR ROOM	00979	YES	OK
9	CO2	9 KG	MCC BUILDING	MCC/GF/12	GROUND FLOOR CABLE CELLAR ROOM	00977	YES	OK
10	CO2	9 KG	MCC BUILDING	MCC/FF/13	FIRST FLOOR PENAL ROOM	00978	YES	OK
11	CO2	9 KG	MCC BUILDING	MCC/FF/14	FIRST FLOOR PENAL ROOM	00983	YES	OK
12	CO2	9 KG	MCC BUILDING	MCC/SF/15	SECOND FLOOR DCS ROOM	00987	YES	OK
13	CO2	9 KG	MCC BUILDING	MCC/SF/16	SECOND FLOOR UPS ROOM	00985	YES	OK
14	CO2	9 KG	MCC BUILDING	MCC/TF/17	THIRD FLOOR	00337	YES	OK
15	CO2	4.5 KG	METHANOL TANK	METH.TANK/18	NORTH SIDE	42514	YES	OK
16	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/19	GROUND FLOOR	11285	YES	OK
17	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/20	GROUND FLOOR	11287	YES	OK
18	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/21	GROUND FLOOR	8770	YES	OK
19	CO2	4.5 KG	ETP C/R FIRST FLOOR	ETP.CR/FF/22	PENAL ROOM	42511	YES	OK
20	CO2	9 KG	ETP C/R FIRST FLOOR	ETP.CR/FF/23	PENAL ROOM	00336	YES	OK
21	CO2	4.5 KG	ETP C/R SECOND FLOOR	ETP.CR/SF/24	LAB	42513	YES	OK
22	CO2	9 KG	ISO MCC ROOM	ISO.MCC/25	IN SIDE ROOM	00976	YES	OK
23	CO2	9 KG	F.W.P.H	FWPH/26	IN SIDE FWPH	00980	YES	OK
24	CO2	9 KG	TANK FARM - 2	T.FARM-02/27	WEST SIDE	AIL-DIA-ND-01	YES	OK
25	CO2	9 KG	MCC BUILDING	TR/GF-02/28	WEST SIDE	00342/INVISIBLE	YES	OK
26	CO2	9 KG	ETP-01	ETP-01/GF/29	IN SIDE ETP-01	00339	YES	OK
27	CO2	4.5 KG	PHENOL BUILDING	PHENOL/GF/30	IN SIDE PHENOL PLANT	11281	YES	OK
28	CO2	4.5 KG	LAB	PANEL ROOM/31	IN SIDE LAB PANEL ROOM	11286	YES	OK
29	CO2	4.5 KG	LAB	LAB/PANTRY/33	PANTRY OUTSIDE	11277	YES	OK
30	CO2	4.5 KG	LAB	LAB/OFFICE/34	IN SIDE LAB OFFICE	11284	YES	OK
31	CO2	4.5 KG	LAB	LAB/HPLC/35	IN SIDE LAB	42510	YES	OK
32	CO2	4.5 KG	LAB	LAB/GC/36	IN SIDE LAB	11283	YES	OK
33	CO2	4.5 KG	LAB	LAB/R&D/37	IN SIDE LAB	11279	YES	OK
34	CO2	4.5 KG	LAB	LAB/WET/38	IN SIDE LAB	-	YES	OK
35	CO2	9 KG	COOLING TOWER	COOLING TOWER/39	GROUND FLOOR	00982	YES	OK
36	CO2	4.5 KG	MCC BUILDING	MCC.TERRACE/40	TERRACE AREA NEAR PENAL	10554	YES	OK
37	CO2	4.5 KG	CR	CR/GF/41	GROUND FLOOR	42509	YES	OK

38	CO2	4.5 KG	CR	CR/GF/42	GROUND FLOOR	42512	YES	OK
39	CO2	22.5 KG	FIRE TENDER	F/T	LOCKER NO - 03	26476	YES	OK
40	CO2	22.5 KG	FIRE TENDER	F/T	LOCKER NO - 04	26480	YES	OK
43	CO2	4.5 KG	F.W.P.H	FWPH/43	IN SIDE FWPH	42508	YES	OK
44	CO2	4.5 KG	DCP	DCP/GF/44	DCP/EAST SIDE	8770	YES	OK
45	CO2	4.5 KG	DCP	DCP/GF/45	DCP/EAST SIDE	8769	YES	OK
46	CO2	4.5 KG	ADMIN	ADM/FF/50	PANEL ROOM	31511	YES	OK
47	CO2	4.5 KG	ADMIN	ADM/FF/51	PANEL ROOM	25221	YES	OK
48	CO2	4.5 KG	ADMIN	ADM/SF/52	PANEL ROOM	11288	YES	OK
49	CO2	4.5 KG	ADMIN	ADM/SF/53	PANEL ROOM	25224	YES	OK
50	CO2	9 KG	ETP-01	ETP-01/GF/54	IN SIDE ETP-01	00341	YES	OK
51	CO2	4.5 KG	PARKING AREA	PARKING-55	IN SIDE PARKING MAIN GATE	25214	YES	OK
52	CO2	4.5 KG	PARKING AREA	PARKING-56	IN SIDE PARKING MAIN GATE	31509	YES	OK
53	CO2	4.5 KG	ISO MCC ROOM	ISO MCC ROOM/FF/57	IN SIDE PANEL ROOM	25220	YES	OK
54	CO2	4.5 KG	ISO MCC ROOM/	ISO MCC ROOM/FF/58	IN SIDE PANEL ROOM	25217	YES	OK
55	CO2	4.5 KG	FIRE STATION	FIRE STATION G/F 59	FIRE STATION G/F	25216	YES	OK
56	CO2	4.5 KG	ADMIN	INST.W.S/60	INST.W.S	31512	YES	OK
57	CO2	4.5 KG	DIAMOND	VW.SHOP/61	VISHAL WORKSHOP	25211	YES	OK
58	CO2	4.5 KG	FIRE STATION	FIRE.S/FF/62	FIRE STATION	25218	YES	OK
59	CO2	4.5 KG	DIAMOND	E&I CONT. W.S/63	WORKSHOP	31510	YES	OK
60	CO2	4.5 KG	ADMIN	ADM/64	TERRACE	25205	YES	OK
61	CO2	4.5 KG	QC LAB	HPLC / 65	IN SIDE LAB	31513	YES	OK
62	CO2	4.5 KG	OHC PENAL	OHC PANEL / 66	PANEL ROOM	-	YES	OK
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			

SR NO	TYPE	CAPACITY	PLANT	LOCATION	EXTINGUISHER NO	EXTINGUISHER SR-NO	INSPECTION TAG	PRESSURE GAUGE (OK/NOT OK)	CYLINDER CONDITION (OK/NOT OK)
1	M.FOAM	9 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/01	00989	YES	OK	OK
2	M.FOAM	9 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/02	03990	YES	OK	OK
3	M.FOAM	9 LITRE	DCA PLANT	FIRST FLOOR	DCA/FF/03	03644	YES	OK	OK
4	M.FOAM	9 LITRE	DCA PLANT	FIRST FLOOR	DCA/FF/04	04011	YES	OK	OK
5	M.FOAM	9 LITRE	DCA PLANT	SECOND FLOOR	DCA/SF/05	04163	YES	OK	OK
6	M.FOAM	9 LITRE	DCA PLANT	SECOND FLOOR	DCA/SF/06	04001	YES	OK	OK
7	M.FOAM	9 LITRE	DCA PLANT	THIRD FLOOR	DCA/TF/07	04024	YES	OK	OK
8	M.FOAM	9 LITRE	DCA PLANT	THIRD FLOOR	DCA/TF/08	00993	YES	OK	OK
9	M.FOAM	9 LITRE	DCA PLANT	FOURTH FLOOR	DCA/4TH-F/09	04029	YES	OK	OK
10	M.FOAM	9 LITRE	DCA PLANT	FOURTH FLOOR	DCA/4TH-F/10	04164	YES	OK	OK
11	M.FOAM	9 LITRE	DCA PLANT	FIFTH FLOOR	DCA/5TH-F/11	04300	YES	OK	OK
12	M.FOAM	9 LITRE	DCA PLANT	FIFTH FLOOR	DCA/5TH-F/12	04003	YES	OK	OK
13	M.FOAM	9 LITRE	DCA PLANT	SIXTH FLOOR	DCA/6TH-F/13	04161	YES	OK	OK
14	M.FOAM	9 LITRE	ETP - 02	GROUND FLOOR	ETP.02/GF/14	02231	YES	OK	OK
15	M.FOAM	9 LITRE	ETP - 02	FIRST FLOOR	ETP.02/FF/15	00990	YES	OK	OK
16	M.FOAM	9 LITRE	ETP - 02	SECOND FLOOR	ETP.02/SF/16	00991	YES	OK	OK
17	M.FOAM	9 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/17	996	YES	OK	OK
18	M.FOAM	9 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/18	4019	YES	OK	OK
19	M.FOAM	9 LITRE	DCP PLANT	FIRST FLOOR	DCP/FF/19	04023	YES	OK	OK
20	M.FOAM	9 LITRE	DCP PLANT	FIRST FLOOR	DCP/FF/20	00988	YES	OK	OK
21	M.FOAM	9 LITRE	DCP PLANT	SECOND FLOOR	DCP/SF/21	4294	YES	OK	OK
22	M.FOAM	9 LITRE	DCP PLANT	SECOND FLOOR	DCP/SF/22	4296	YES	OK	OK
23	M.FOAM	9 LITRE	DCP PLANT	THIRD FLOOR	DCP/TF/23	04165	YES	OK	OK
24	M.FOAM	9 LITRE	DCP PLANT	THIRD FLOOR	DCP/TF/24	03991	YES	OK	OK
25	M.FOAM	9 LITRE	INSTRUMENT SHEAD	GROUND FLOOR	INST/SHEAD/25	04293	YES	OK	OK
26	M.FOAM	60 LITRE	RM WAREHOUSE	GROUND FLOOR	RM/GF/26	Not Available	YES	OK	OK

27	M.FOAM	60 LITRE	HAZARDOUS WASTE	GROUND FLOOR	H.WASTE/27	Not Available	YES	OK	OK
28	M.FOAM	9 LITRE	CR PLANT	SECOND FLOOR	CR/SF/28	4295	OK	OK	OK
29	M.FOAM	9 LITRE	CR PLANT	SECOND FLOOR	CR/SF/29	4299	OK	OK	OK
30	M.FOAM	9 LITRE	CR PLANT	GROUND FLOOR	CR/GF/30	03998	OK	OK	OK
31	M.FOAM	9 LITRE	CR PLANT	GROUND FLOOR	CR/GF/31	4301	OK	OK	OK
32	M.FOAM	9 LITRE	F.W.P.H.	F.W.P.H.	F.W.P.H./32	4297	OK	OK	OK
33	M.FOAM	9 LITRE	NSA TANK FARM	NORTH SIDE	NSA/T.FARM/33	3993	OK	OK	OK
34	M.FOAM	9 LITRE	NSA TANK FARM	SOUTH SIDE	NSA/T.FARM/34	04007	OK	OK	OK
35	M.FOAM	09 LITRE	SULFUR YARD	SULFUR YARD	SULFUR YARD/35	03996	OK	OK	OK
36	M.FOAM	9 LITRE	SULFUR YARD	SULFUR YARD	SULFUR YARD/36	3992	OK	OK	OK
37	M.FOAM	9 LITRE	ETP - 01	GROUND FLOOR	ETP.01/GF/37	N/A	OK	OK	OK
38	M.FOAM	9 LITRE	PHENOL BUILDING	GROUND FLOOR	PHENOL/GF/41	04160	OK	OK	OK
39	M.FOAM	9 LITRE	PHENOL BUILDING	FIRST FLOOR	PHENOL/FF/42	02229	OK	OK	OK
40	M.FOAM	9 LITRE	PHENOL BUILDING	SECOND FLOOR	PHENOL/SF/43	4302	OK	OK	OK
41	M.FOAM	60 LITRE	METHANOL TANK	GROUND FLOOR	METH.TANK/44	Not Available	OK	OK	OK
42	M.FOAM	60 LITRE	TANK FARM -02	WEST SIDE	T.FARM-02/45	Not Available	OK	OK	OK
43	M.FOAM	60 LITRE	TANK FARM -02	NORTH SIDE	T.FARM-02/46	Not Available	OK	OK	OK
44	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/52	Not Available	OK	OK	OK
45	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/53	Not Available	OK	OK	OK
46	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/54	Not Available	OK	OK	OK
47	M.FOAM	60 LITRE	TANK FARM -01	WEST SIDE	T.FARM-01/55	Not Available	OK	OK	OK
48	M.FOAM	60 LITRE	TANK FARM -01	NORTH SIDE	T.FARM-01/56	Not Available	OK	OK	OK
49	M.FOAM	60 LITRE	NSA PLANT	GROUND FLOOR	NSA/GF/60	Not Available	OK	OK	OK
50	M.FOAM	60 LITRE	NSA PLANT	GROUND FLOOR	NSA/GF/61	Not Available	OK	OK	OK
51	M.FOAM	09 LITRE	NSA PLANT	FIRST FLOOR	NSA/FF/62	04159	OK	OK	OK
52	M.FOAM	09 LITRE	NSA PLANT	FIRST FLOOR	NSA/FF/63	04002	OK	OK	OK
53	M.FOAM	09 LITRE	MCC BUILDING	TERRACE AREA	MCC.TERRACE/64	02230	YES	OK	OK
54	M.FOAM	09 LITRE	LAB	THIRD FLOOR	HPLC/LAB/65	00987	YES	OK	OK

55	M.FOAM	09 LITRE	LAB	THIRD FLOOR	CHEM.STORE/66	04022	YES	OK	OK
56	M.FOAM	09 LITRE	LAB	THIRD FLOOR	CONTROL.SAMPLE ROOM/67	03986	YES	OK	OK
57	M.FOAM	09 LITRE	LAB	THIRD FLOOR	R&D/68	00982	YES	OK	OK
58	M.FOAM	09 LITRE	MCC BUILDING	THIRD FLOOR	QC/CYLINDER/69	02224	YES	OK	OK
59	M.FOAM	09 LITRE	MEE PLANT	GROUND FLOOR	MEE/GF/71	04162	OK	OK	OK
60	M.FOAM	60 LITRE	NSA TANK FARM	GROUND FLOOR	NSA/T.F/72	Not Available	OK	OK	OK
61	M.FOAM	60 LITRE	PHENOL BUILDING	GROUND FLOOR	PHENOL/GF/73	Not Available	OK	OK	OK
62	M.FOAM	60 LITRE	CR PLANT	GROUND FLOOR	CR/GF/74	Not Available	YES	OK	OK
63	M.FOAM	60 LITRE	METHANOL RECOVERY TANK	GROUND FLOOR	METHANOL RECOVERY TANK/GF/75	Not Available	YES	OK	OK
64	M.FOAM	60 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/76	Not Available	YES	OK	OK
65	M.FOAM	60 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/77	Not Available	YES	OK	OK
66	M.FOAM	60 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/78	Not Available	YES	OK	OK
67	M.FOAM	60 LITRE	CR PUMP AREA	GROUND FLOOR	CR/GF/80	Not Available	YES	OK	OK
68	M.FOAM	60 LITRE	SULFUR YARD	WEST SIDE	SULFUR.Y /81	Not Available	OK	OK	OK
69	M.FOAM	06 LITRE	NEAR ISO T/F	OIL DRUM SHADE	OIL DRUM SHADE/82	00026	YES	OK	OK
70	M.FOAM	06 LITRE	NEAR ISO T/F	OIL DRUM SHADE	OIL DRUM SHADE/83	00040	YES	OK	OK



Certificate

Certificate No.: 1200004040

To Whomsoever it may concern

This is to certify that

AARTI INDUSTRIES LIMITED

PLOT NO. Z/103/C
GIDC ESTATE DAHEJ SEZ-II
TAL: VAGRA

BHARUCH
is a valid member of

SAURASHTRA ENVIRO PROJECTS PVT. LTD.

for

Integrated Common Incineration Facility

This membership is valid for a period of

5 Years

Date of Issue : 17.09.2020

Date of Expiration : 16.09.2025

Place of Issue : Surat

For, Saurashtra Enviro Projects Pvt. Ltd.

Director

SUBJECT TO SURAT JURISDICTION



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

04th SEPTEMBER, 2020

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

Sub: Membership Certificate for Common Incineration Facility


Dear Sir,

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

Thanking you,

Yours faithfully,

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


AUTHORISED SIGNATORY



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

REF: BEIL/ANK/2022

12th JULY, 2022

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

Sub: Membership Certificate for Common Solid Waste Disposal Facility

Dear Sir,

We hereby certify that you have become member of the common Solid/Hazardous Waste Disposal Facility developed by For, BEIL INFRASTRUCTURE LIMITED (Formerly Known as Bharuch Enviro Infrastructure Ltd)., at GIDC, DAHEJ. You have booked solid waste quantity **1500 MT/ Year** (Original Booked Quantity **100 MT** + Increased Quantity **1400 MT**). Your Membership No. is **OTH/841**.

- 1) Total TSDF Capacity of BEIL Dahej: 1900000 MT**
- 2) Total Consented Capacity: 1900000 MT**
- 3) Total Occupied Capacity: 887848.468 MT**
- 4) Spare Capacity: 1012151.532 MT**

Thanking you,

Yours faithfully,

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

AUTHORISED SIGNATORY

Certificate



Certificate No : 4100009271

To whomsoever it may concern
This is to certify that

AARTI INDUSTRIES LTD UNIT 2

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

Is a valid member of

Recycling Solutions Private Limited Unit-II

for Alternate Fuel Resource Facility.

This membership is valid for a period of
10 Years

For, Recycling Solutions Private Limited Unit-II

Date of issue : 02.06.2020

Date of expiration : 01.06.2030

Place of issue : SURAT


Director/Authorised signatory

Waste Information

SrNo	Type Of Waste	Sign Qty(TPA)	SrNo	Type Of Waste	Sign Qty(TPA)
1	DISTILLATION RESIDUE.	4,200.00 0			0.000
Total Sign Qty (TPA)					4,200.000

SUBJECT TO JURISDICTION

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-004	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-004	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/004
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	04/04/2022	Next Calibration Due On	05/05/2023

➤ **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.	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/23/04/AIL-2/S-005	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-005	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/005
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	04/04/2022	Next Calibration Due On	05/05/2023

➤ **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

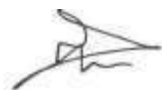
➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	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/23/05/AIL-2/S-004	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-004	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/004
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	44

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-005	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-005	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/005
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	46

➤ **Test Parameter Results**

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-004	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-004	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/004
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-005	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/005
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	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/23/07/AIL-2/S-004	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-004	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/004
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-005	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-005	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/005
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	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/23/08/AIL-2/S-004	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-004	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/004
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	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	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/23/08/AIL-2/S-005	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-005	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

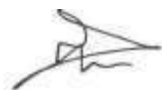
➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	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/23/09/AIL-2/S-004	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-004	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-005	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-005	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/005
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

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

- Note:** 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
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/23/04/AIL-2/S-011	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-011	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/011
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	04/04/2022	Next Calibration Due On	05/05/2023

➤ **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	48

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-014	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-014	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/014
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	19/04/2023	Date of Testing	20/04/2023
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-011	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-011	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/011
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	°C	50

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-014	Report Issue Date	07/05/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-014	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/014
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	31/05/2023	Date of Testing	01/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-011	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-011	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/011
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	48


➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-014	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-014	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/014
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	22/06/2023	Date of Testing	23/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-011	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-011	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/011
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	52

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07//AIL-2/S-014	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07//S-014	Service Request Date	24/07//2023
Sample ID No.	UERL/AIR/D/ID/S-23/07//014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07//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	24/07//2023	Date of Testing	25/07//2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:



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Authorized By:



Jaivik S. Tandel
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-011	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-011	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	52

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
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Authorized By:



Jaivik S. Tandel
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-014	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-014	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/014
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	22/08/2023	Date of Testing	23/08/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-011	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-011	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/011
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	52

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-014	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-014	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-006	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-006	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/006
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	19/04/2023	Date of Testing	20/04/2023
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	23/04/2022	Next Calibration Due On	22/06/2023

➤ **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.	Oxides of Nitrogen (NOx)	mg/Nm ³	5.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-007	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-007	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/007
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	19/04/2023	Date of Testing	20/04/2023
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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 ₂)	mg/Nm ³	15.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	0.5	**	GC Method

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

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

Checked By:



Nikunj D. Patel
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Authorized By:



Jaivik S. Tandel
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-006	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-006	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/006
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	31/05/2023	Date of Testing	01/06/2023
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	23/05/2022	Next Calibration Due On	22/06/2023

➤ **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	42

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	2.1	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/23/05/AIL-2/S-007	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-007	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/007
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	31/05/2023	Date of Testing	01/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	50

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.1	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.2	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-006	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-006	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/006
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	22/06/2023	Date of Testing	23/06/2023
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	23/06/2022	Next Calibration Due On	22/06/2023

➤ **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 (NOx)	mg/Nm ³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-007	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-007	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/007
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	22/06/2023	Date of Testing	23/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	8.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.5	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-006	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-006	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/006
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	24/07/2023	Date of Testing	25/07/2023
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	23/06//2022	Next Calibration Due On	24/07/2023

➤ **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 (NOx)	mg/Nm ³	3.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-007	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-007	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/007
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	24/07/2023	Date of Testing	25/07/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	5.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.6	**	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/23/08/AIL-2/S-006	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-006	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
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	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 (NO _x)	mg/Nm ³	2.1	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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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-007	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-007	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	4.3	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.8	**	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/23/09/AIL-2/S-006	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-006	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
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	32
3.	Flue Gas Temperature	°C	50

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-007	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-007	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/007
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Devise	Venturi Water Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.2	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

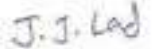
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-001

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 19/04/2023

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/m³)	Handy Sampler	01	0.15	0.15	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

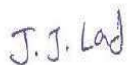
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 19/04/2023

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)

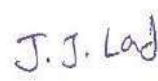
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 19/04/2023

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)

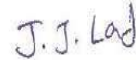
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 20/04/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

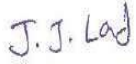
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 20/04/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	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)

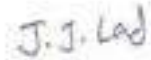
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 20/04/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

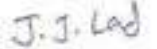
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 31/05/2023

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/m³)	Handy Sampler	01	0.18	0.18	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

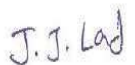
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 31/05/2023

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/23/05/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 19/05/2023

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)

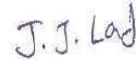
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 31/05/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

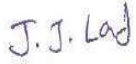
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-005

1. **Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
2. **Name of the Department / Plant:** - DCP Plant
3. **Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Aniline, Sulphuric Acid,
2) Product- Dichloro Phenol.
4. **Particulars of sampling:** - Work Place Monitoring.
5. **Date of Monitoring:** - 31/05/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	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)

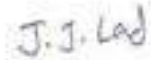
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 31/05/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

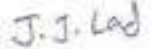
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 22/06/2023

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/m³)	Handy Sampler	01	0.15	0.15	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

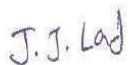
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/06/2023

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)

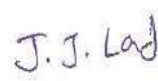
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/06/2023

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)

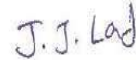
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/06/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

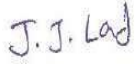
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/06/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	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)

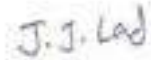
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/06/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

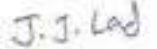
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 24/07/2023

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/m³)	Handy Sampler	01	0.12	0.12	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

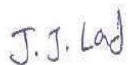
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/07/2023

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/23/07/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/07/2023

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)

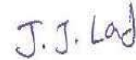
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/07/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

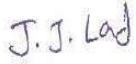
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/07/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.055	0.055	5 mg/m³	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)

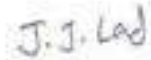
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/07/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

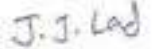
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 22/08/2023

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/m³)	Handy Sampler	01	0.13	0.13	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

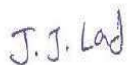
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/08/2023

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)

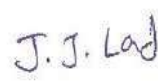
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/08/2023

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)

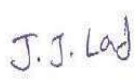
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/08/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

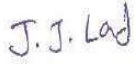
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/08/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.055	0.055	5 mg/m³	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)

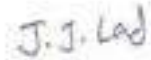
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/08/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

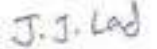
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 21/09/2023

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/m³)	Handy Sampler	01	0.15	0.15	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

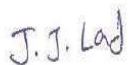
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 21/09/2023

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)

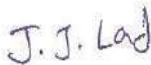
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/09/2023

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)

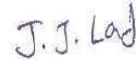
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/09/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

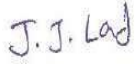
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/09/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.055	0.055	5 mg/m³	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)

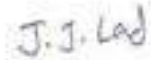
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/09/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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)

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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-001

Report Issue Date: 05/05/2023

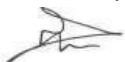
Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	83	33	22.5	28.2
2	05/04/2023	86	34	19.2	24.7
3	12/04/2023	80	29	21.2	27.1
4	13/04/2023	84	30	24.5	26.1
5	17/04/2023	83	31	21.0	24.5
6	19/04/2023	81	29	25.2	27.6
7	24/04/2023	84	32	23.7	28.1
8	25/04/2023	78	26	22.5	26.4
Max.		86	34	25.2	28.2
Min.		78	26	19.2	24.5
98th Percentile		85.7	33.9	25.1	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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-002

Report Issue Date: 05/05/2023

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	75	28	20.8	24.2
2	05/04/2023	78	25	23.7	26.2
3	12/04/2023	82	31	22.1	27.5
4	13/04/2023	80	29	22.6	27.7
5	17/04/2023	76	26	24.0	27.4
6	19/04/2023	70	24	19.9	25.8
7	24/04/2023	76	25	19.0	25.0
8	25/04/2023	72	26	22.5	26.8
Max.		82	31	24.0	27.7
Min.		70	24	19.0	24.2
98th Percentile		81.7	30.7	24.0	27.7
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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-003

Report Issue Date: 05/05/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	72	29	22.2	27.8
2	05/04/2023	76	26	25.6	29.6
3	12/04/2023	67	24	19.3	25.4
4	13/04/2023	77	32	22.5	26.7
5	17/04/2023	82	28	22.6	25.4
6	19/04/2023	76	26	19.8	22.9
7	24/04/2023	72	23	21.2	23.5
8	25/04/2023	80	30	23.7	27.6
Max.		82	32	25.6	29.6
Min.		67	23	19.3	22.9
98th Percentile		81.7	31.7	25.3	29.3
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 : May - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-001

Report Issue Date: 05/05/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	78	28	18.2	23.3
2	03/05/2023	85	30	19.5	22.8
3	08/05/2023	82	27	17.2	23.3
4	09/05/2023	88	32	20.8	25.1
5	15/05/2023	75	26	16.7	20.3
6	16/05/2023	77	27	22.5	26.5
7	22/05/2023	79	29	19.1	23.4
8	23/05/2023	82	26	18.8	22.3
9	29/05/2023	84	30	20.3	25.3
10	30/05/2023	76	25	19.8	24.5
Max.		88	32	22.5	26.5
Min.		75	25	16.7	20.3
98th Percentile		87.5	31.6	22.2	26.3
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-002

Report Issue Date: 05/05/2023

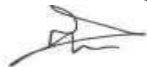
Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	82	30	19.9	25.2
2	03/05/2023	80	27	21.2	25.8
3	08/05/2023	86	31	18.5	23.6
4	09/05/2023	76	27	17.3	24.1
5	15/05/2023	78	29	19.1	23.2
6	16/05/2023	80	30	20.5	26.3
7	22/05/2023	75	22	21.3	24.8
8	23/05/2023	74	23	20.4	25.6
9	29/05/2023	78	26	22.5	27.3
10	30/05/2023	72	24	23.4	26.8
Max.		86	31	23.4	27.3
Min.		72	22	17.3	23.2
98th Percentile		85.3	30.8	23.2	27.2
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

Month : May - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-003

Report Issue Date: 05/05/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	75	24	16.8	20.5
2	03/05/2023	78	28	21.8	26.2
3	08/05/2023	72	23	18.9	23.1
4	09/05/2023	80	29	18.2	22.3
5	15/05/2023	76	25	20.2	24.1
6	16/05/2023	78	28	18.3	23.8
7	22/05/2023	82	23	22.5	27.1
8	23/05/2023	72	24	21.2	26.3
9	29/05/2023	80	32	19.2	24.1
10	30/05/2023	78	27	20.5	25.5
Max.		82	32	22.5	27.1
Min.		72	23	16.8	20.5
98th Percentile		81.6	31.5	22.4	27.0
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 : June - 2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/06/AIL-2/A-001	Report Issue Date: 05/07/2023
Location : AAQM-1 : Near Main Gate	Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	72	23	17.2	20.6
2	06/06/2023	74	23	20.3	21.6
3	12/06/2023	80	28	17.6	22.5
4	13/06/2023	76	25	16.5	20.8
5	19/06/2023	84	30	18.4	23.3
6	20/06/2023	75	23	19.2	24.8
7	26/06/2023	78	28	20.1	21.4
8	27/06/2023	80	26	16.8	22.7
Max.		84	30	20.3	24.8
Min.		72	23	16.5	20.6
98th Percentile		83.4	29.7	20.3	24.6
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.

<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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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 - 2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/06/AIL-2/A-002	Report Issue Date: 05/07/2023
Location : AAQM-2 : Near ETP Plant	Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	76	24	18.7	21.2
2	06/06/2023	68	25	16.3	19.4
3	12/06/2023	75	22	19.1	17.7
4	13/06/2023	69	27	18.4	21.5
5	19/06/2023	73	24	16.6	23.7
6	20/06/2023	77	23	17.2	19.4
7	26/06/2023	70	25	19.5	18.6
8	27/06/2023	72	27	16.4	22.5
Max.		77	27	19.5	23.7
Min.		68	22	16.3	17.7
98th Percentile		76.9	27.0	19.4	23.5
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.

<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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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 - 2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/06/AIL-2/A-003	Report Issue Date: 05/07/2023
Location : AAQM-3 : Near DCS PCC Control Room)	Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	83	30	18.3	24.4
2	06/06/2023	86	32	14.7	19.7
3	12/06/2023	78	29	16.3	21.4
4	13/06/2023	82	31	18.2	20.5
5	19/06/2023	74	33	15.8	18.6
6	20/06/2023	87	24	17.6	23.3
7	26/06/2023	84	28	16.1	22.8
8	27/06/2023	79	25	15.0	21.2
Max.		87	33	18.3	24.4
Min.		74	24	14.7	18.6
98th Percentile		86.9	32.9	18.3	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.

<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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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- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-001

Report Issue Date: 05/08/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/07/2023	76	24	20.8	24.4
2	05/07/2023	80	22	22.6	25.4
3	02/07/2023	72	24	19.8	22.9
4	13/07/2023	82	20	19.3	25.4
5	17/07/2023	76	23	23.7	27.6
6	18/07/2023	72	25	21.2	23.5
7	27/07/2023	74	24	22.5	26.7
8	28/07/2023	68	20	25.6	29.6
Max.		82	25	25.6	29.6
Min.		68	20	19.3	22.9
98th Percentile		81.7	24.9	25.3	29.3
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 : July- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-002

Report Issue Date: 05/08/2023

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/07/2023	75	28	22.2	26.4
2	05/07/2023	78	26	21.0	23.9
3	02/07/2023	72	33	25.2	27.6
4	13/07/2023	74	31	21.2	27.1
5	17/07/2023	81	29	22.9	26.4
6	18/07/2023	84	33	23.7	27.6
7	27/07/2023	80	34	24.5	26.1
8	28/07/2023	78	29	19.2	24.7
Max.		84	34	25.2	27.6
Min.		72	26	19.2	23.9
98th Percentile		83.6	33.9	25.1	27.6
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)

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- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-003

Report Issue Date: 05/08/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/07/2023	74	26	19.5	23.3
2	05/07/2023	72	26	24.0	27.4
3	02/07/2023	75	28	19.9	25.8
4	13/07/2023	76	26	22.1	27.5
5	17/07/2023	70	24	22.5	26.8
6	18/07/2023	76	27	19.0	25.0
7	27/07/2023	78	26	22.6	27.7
8	28/07/2023	75	24	23.7	26.2
Max.		78	28	24.0	27.7
Min.		70	24	19.0	23.3
98th Percentile		77.7	27.9	24.0	27.7
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 : August- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-001

Report Issue Date: 05/09/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/08/2023	68	24	11.7	20.6
2	03/08/2023	59	20	15.8	22.7
3	07/08/2023	62	22	16.9	20.8
4	08/08/2023	69	21	15.4	21.2
5	17/08/2023	63	18	18.2	23.4
6	18/08/2023	71	24	16.9	20.2
7	23/08/2023	72	20	15.4	19.1
8	24/08/2023	74	23	14.3	18.4
9	28/08/2023	59	18	16.2	22.3
10	29/08/2023	62	22	18.1	24.5
Max.		74	24	18.2	24.5
Min.		59	18	11.7	18.4
98th Percentile		73.6	24.0	18.2	24.3
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 : August- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-002

Report Issue Date: 05/09/2023

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/08/2023	70	25	13.2	18.1
2	03/08/2023	61	22	18.6	23.4
3	07/08/2023	60	20	15.7	21.2
4	08/08/2023	65	18	16.3	20.5
5	17/08/2023	69	20	17.8	21.3
6	18/08/2023	67	22	14.3	19.7
7	23/08/2023	70	18	16.1	21.3
8	24/08/2023	68	20	17.5	20.2
9	28/08/2023	61	19	15.8	19.5
10	29/08/2023	60	20	16.4	22.6
Max.		70	25	18.6	23.4
Min.		60	18	13.2	18.1
98th Percentile		70.0	24.5	18.5	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 : August- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-003

Report Issue Date: 05/09/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/08/2023	66	22	15.1	21.3
2	03/08/2023	57	17	16.4	20.2
3	07/08/2023	63	25	13.5	19.7
4	08/08/2023	58	16	15.9	22.4
5	17/08/2023	61	21	16.5	17.3
6	18/08/2023	63	18	13.6	17.1
7	23/08/2023	66	22	14.8	19.4
8	24/08/2023	70	21	15.2	21.5
9	28/08/2023	59	17	18.3	22.8
10	29/08/2023	63	25	14.7	18.0
Max.		70	25	18.3	22.8
Min.		57	16	13.5	17.1
98th Percentile		69.3	25.0	18.0	22.7
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-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-001

Report Issue Date: 05/10/2023


Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/09/2023	78	25	14.5	18.2
2	07/09/2023	66	21	13.5	21.2
3	14/09/2023	60	20	14.8	21.3
4	15/09/2023	70	25	18.3	19.5
5	19/09/2023	69	20	15.1	18.1
6	20/09/2023	61	19	16.4	23.4
7	25/09/2023	65	18	15.2	20.2
8	26/09/2023	70	25	16.2	20.1
Max.		78	25	18.3	23.4
Min.		60	18	13.5	18.1
98th Percentile		76.9	25.0	18.0	23.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-002

Report Issue Date: 05/10/2023

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/09/2023	67	24	17.2	21.5
2	07/09/2023	59	23	16.9	20.8
3	14/09/2023	63	25	15.4	19.1
4	15/09/2023	66	22	16.2	22.3
5	19/09/2023	61	21	11.7	20.6
6	20/09/2023	57	17	15.8	22.7
7	25/09/2023	58	16	14.3	18.4
8	26/09/2023	66	20	18.8	23.2
Max.		67	25	18.8	23.2
Min.		57	16	11.7	18.4
98th Percentile		66.9	24.9	18.6	23.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-003

Report Issue Date: 05/10/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/09/2023	74	23	15.1	20.2
2	07/09/2023	65	19	15.7	19.7
3	14/09/2023	62	22	16.1	19.4
4	15/09/2023	68	24	15.8	22.8
5	19/09/2023	63	18	13.2	21.3
6	20/09/2023	59	18	18.6	20.2
7	25/09/2023	69	21	17.5	21.5
8	26/09/2023	72	23	15.5	21.6
Max.		74	24	18.6	22.8
Min.		59	18	13.2	19.4
98th Percentile		73.7	23.9	18.4	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)

Compliance of EMP Conditions

Sr. No.	Conditions	Compliance
Construction Phase		
i	Site Preparation	
1	Uplift of dust during the excavation, leveling operations etc. Control Measure: Sprinkling of water over land, and provision of enclosure.	Complied Regular sprinkling of water over land, and provision of enclosure done for dust reduction in workplace
ii	Sanitization	
1	Sanitization facilities. Control Measure: Sewage will be sent to soak pit.	Complied Sewage water is now treated in the STP plant.
iii	Noise	
1	Movement of vehicles like truck, Dozer, Cranes. Control Measure: Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles will be maintained in well condition	Complied Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles are maintained in well condition
2	Construction activity. Control Measure: Engineering control, Provide noise protection devices like earmuffs, ear plug to worker, Rotation of work are provided to minimize exposure.	Complied Engineering control, noise protection devices like earmuffs, ear plug to worker, Rotation of work are provided to minimize exposure.
iv	Wastes from construction equipment	
1	Dozer, Cranes Control Measures: Avoid spillage, proper storage, disposal by selling to reprocessor.	Complied Unit has avoided spillage, proper storage, disposal by selling to reprocessor.
2	Painting Control Measures: Proper storage, disposal by selling to authorized buyers/incineration.	Complied Unit has properly stored and disposed to authorized buyers/incineration.
3	Construction. Control Measures: Use for leveling purpose within premises	Complied Use has used leveling purpose for filling of low lying area.
Operation Phase		
A.	Air Environment	
1	Flue Gas Emissions: Unit shall provide acoustic enclosure and adequate stack height for D.G Set	Complied Unit has provided acoustic enclosure and adequate stack height for D.G Set
2	Process Gas Emissions: Unit shall provide APCM and adequate stack height for control of process gaseous emissions	Complied. Unit has provided a scrubber system and adequate stack height to all process gas emissions.
3	Fugitive Emissions:	Complied
B.	Water Environment	
1	Water Consumption The total water consumption of the proposed new unit will be 1429 KL/day. Out of the total water of 1429 KLD, fresh water will be 1253 KLD (Domestic requirement will be 47 KLD and industrial requirement will be 1262 KLD).	Agreed Unit will ensure, the permitted water consumption value will not be 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.	Noise Environment	
1	Transportation activities Control Measures: a. Green belt, Restriction on transportation between 08 p.m. to 9 a.m., Maintain vehicle in good condition.	Agreed Unit had initiate the development of the green belt area. already unit is restricting on transportation between 08 p.m. to 9 a.m.,and maintaining vehicle in good condition.
2	D.G. Set Control Measures: a. Acoustic enclose, Engineering control, b. Provision of PPE, Green belt,	Complied Provided acoustic enclose, Engineering control in D. G. Set for preventing noise pollution
3	Plant/Process area	Complied
D.	Land Environment	

1	Development of greenbelt comprising of appropriately selected species of shrubs and trees. It is recommended that plantation be made on sites, road sides, around waste treatment units.	Complied Green belt developed with appropriate species of shrubs and trees like Gulmohar, Neem and Pelta Farm. Plantation is done on site, road sides, around waste treatment units.
E. Raw Material and Product Storage Area		
1	Raw materials will be stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags,etc in sepeerate storage room	Complied Raw materials are stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags,etc in sepeerate storage room for first phase production will do the same in next phases
2	Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved	Complied Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved for first phase production will do the same in next phases
3	Hazardous flammable substances are separately stored within premises. Solvent transfer will be done by pumps. Reactor & solvent handling pump have mechanical seal	Complied Hazardous flammable substances are separately stored within premises. Solvent transfer is done by pumps. Reactor & solvent handling pump which have mechanical seal for first phase production will do the same in next phases
4	The acid tanks will be provided with dyke wall to control spread of leakages.	Complied The acid tanks are provided with dyke wall to control spread of leakages for first phase production will do the same in next phases
F. Vehicular Pollution Control		
1	All vehicles will be maintained in well condition by regular preventive maintenance to reduce the exhaust level.	Complied All vehicles are maintained in well condition by regular preventive maintenance to reduce the exhaust level. Spark arrestor is used for all vehicles entering the site.
2	Drivers of all vehicles used in the transportation will be trained in transportation of Hazardous chemicals to prevent any accident. Fitness and training test certificate approved by R.T.O to be maintained on the vehicle at all times to ensure transport worthiness.	Complied Unit has developed a checklist which is checked by the security personnel at the entry of material gate. The checklist consists of all the mentioned points which is attached as
G. Safety Measures to Prevent the Occupational Health Hazards		
1	All reasonably practical measures will be adopted by the unit to minimize the risk of accidents within a chemical manufacturing unit	Complied All reasonable practical measures like: a. Work specified PPEs b. Safety Showers c. Fire extinguishers d. Hydrant tank with circulated networks e. DG Sets etc. are provided to minimize the risk of accidents.
2	All building plans and installations will be as per relevant laws and will be approved by competent authority	Agreed & Complied Unit has considered to construct Green Buildings which will be approved by the competent authority
3	Suitable personnel protective equipments and fire extinguishers at strategic locations and suitable personal protective equipments will be provided	Complied Unit has provided PPEs and Fire Extinguishers at Strategic Locations.
4	Training will be imparted to all workers for all the hazardous process operations within the plant and will be supervised by experienced supervisors	Complied Trainings have been for all workers who deal with hazardous process operations within the plant
5	Flame proof electrical fittings, flame arrestors etc will be installed	Complied Unit has provided Flame proof electric fittings, flame arrestors etc.
6	All the raw materials will be stored in designated storage area equipped with necessary safety features	Complied All the raw materials have been stored in the RM Warehouse and which is equipped with specific safety features.
7	Periodic inspection & testing of pressure vessels, equipments, and machineries will be done.	Complied Regular preventive maintenance and periodic inspection of machines is done by the Unit for first phase of produciton and will do the same for next phases.

8	Good housekeeping will be ensured within the factory premises	Complied Good house keeping is ensured within the factory.
9	All designated staff & workers will be trained for the fire-fighting, work permit system, first aid and safe handballing of hazardous chemicals.	Complied All designated staff & workers are properly trained and regular trainings are provided for fire-fighting, work permit system, first aid and safe handballing of hazardous chemicals.
10	Incident/accident reporting system will be developed and all the employees will be made aware for the same.	Agreed & Comply Unit will report incident or accident to all the employees for their awareness.
11	Suitable notices/boards will be displayed at designated locations indicating appropriate hazard warnings.	Agreed and will Comply Proper boards/notices will be displayed at designated locations indicating hazard warnings.
12	Antidotes as well as MSDS for all the chemicals will be made available within the factory premises.	Complied Antidotes are MSDS are 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.
H.	Storm Water Management	
1	The drains for storm water will be kept clean and dry in summer and winter. The storm water drains will be connected to holding tank. The rain water of the premises will be collected in this holding tank through storm water drains. The collected water will be analyzed for any contamination of pollutants for 1st and 2nd rain during monsoon. If analysis indicates any contamination, the collected water will be diverted to ETP plant. In case of no contamination, the collected water will be used in cooling tower and other applications.	Agreed and will comply.
I.	Energy Conservation Programme	Agreed and will comply. 1. Unit has planned to consider the solar panels on the roofs of admin and security buildings. 2. Unit will ensure the Preventive Maintenance of equipments which may cause excess energy expenditure.
j.	Water Conservation Programme	Agreed and will comply Unit has provided ETP and will provide RO & MEE to recycle water which will result in reduction of freshwater consumption. Unit has started the STP operation and sweage water are treated in STP Plant we will reuse the treated water from STP to the gardening purpose. Unit will ensure to provide Stormwater reservior to reuse water for various industrial purposes.
K.	Management of Traffic	
	Parking space for vehicles will be provided for loading and unloading products. Adequate roads to cater to two way traffic and to meet the fire regulations are planned in the complex.	Complied Unit has provided wide two-way RCC roads for managment of traffic. Proper parking space will be provided for loading and unloading products.
L.	Social Welfare measures for Future Planning	
1	Providing materials and monetary aid to schools, primary health centers, hospitals, sports, clubs and places of worship.	Complied CER & CSR activity has been done by the unit.



Directorate Industrial Safety & Health

Directorate Industrial Safety & Health

FORM NO. 4
Gujarat State
(Prescribed under Rule 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 DIFAWOLBAR
KANTLA
Date: 2023.11.06 10:52:12 IST
Reason: Approval
Location: Bharuch

Deputy Director
Industrial Safety and Health
Bharuch

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/04/AIL-2/N-001	Date of Report:	05/05/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

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

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 20/04/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
				75 dB (A)	70 dB (A)
1.	Near ETP Area	65.5	51.8	75 dB (A)	70 dB (A)
2.	New D.G. Set	72.5	55.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	65.1	52.3	75 dB (A)	70 dB (A)
4.	Near DCA Plant	67.2	54.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	66.6	53.4	75 dB (A)	70 dB (A)

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

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

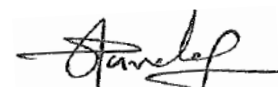
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/05/AIL-2/N-001	Date of Report:	07/06/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

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

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 31/05/2023


DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
				75 dB (A)	70 dB (A)
1.	Near ETP Area	66.2	49.5	75 dB (A)	70 dB (A)
2.	New D.G. Set	71.9	56.1	75 dB (A)	70 dB (A)
3.	Near Main Gate	64.3	53.6	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.1	52.4	75 dB (A)	70 dB (A)
5.	Near Material Gate	65.2	54.3	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

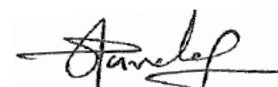
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/06/AIL-2/N-001	Date of Report:	07/07/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 20/06/2023

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	67.8	52.5	75 dB (A)	70 dB (A)
2.	New D.G. Set	72.5	54.5	75 dB (A)	70 dB (A)
3.	Near Main Gate	73.4	54.2	75 dB (A)	70 dB (A)
4.	Near DCA Plant	67.3	55.6	75 dB (A)	70 dB (A)
5.	Near Material Gate	66.2	53.8	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

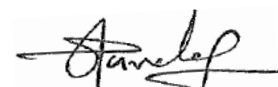
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/07/AIL-2/N-001	Date of Report:	05/08/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 24/07/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	68.5	51.6	75 dB (A)	70 dB (A)
2.	New D.G. Set	73.2	53.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	67.5	55.4	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.2	56.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	67.1	55.1	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)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/08/AIL-2/N-001	Date of Report:	05/09/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 22/08/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	63.9	53.4	75 dB (A)	70 dB (A)
2.	New D.G. Set	71.6	55.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	72.5	53.1	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.1	66.3	75 dB (A)	70 dB (A)
5.	Near Material Gate	67.2	54.5	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

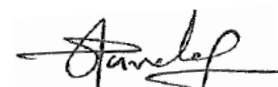
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/09/AIL-2/N-001	Date of Report:	05/10/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 21/09/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	65.2	52.3	75 dB (A)	70 dB (A)
2.	New D.G. Set	69.2	54.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	70.5	55.4	75 dB (A)	70 dB (A)
4.	Near DCA Plant	67.2	62.4	75 dB (A)	70 dB (A)
5.	Near Material Gate	66.5	51.5	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

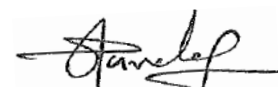
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-001	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-001	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/001
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm ³ /h	230.0


➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	25	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.5	**	GC Method

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

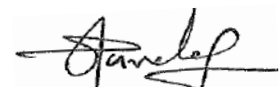
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-002	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-002	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/002
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	229.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.9	**	GC Method

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

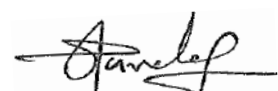
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-003	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-003	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/003
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	236.3

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

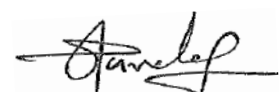
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-001	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-001	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/001
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	126
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	237.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	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/23/05/AIL-2/S-002	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-002	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/002
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm ³ /h	240.9

➤ **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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

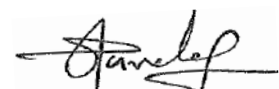
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-003	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-003	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/003
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	236.1

➤ **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 ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	27	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

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

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

Checked By:



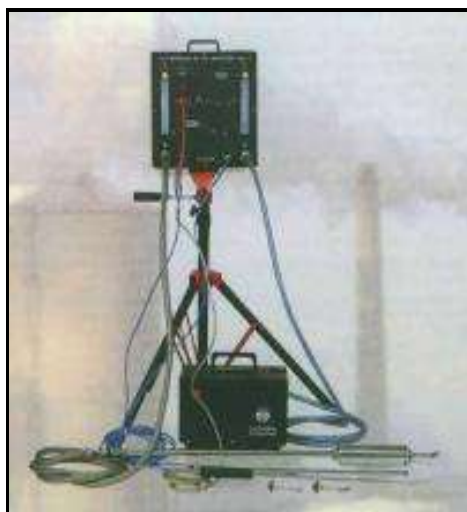
Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

2.0 STACK MONITORING REPORT



Period: June - 2023

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 / 2425810
Email : response@uerl.in Website : www.uerl.in

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (SI.03.2023 to 2229.2024)

QC/NABET Accredited EA & CW
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-001	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/001
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	227.5

➤ **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 ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	34	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-002	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-002	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/002
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	235

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

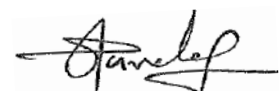
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-003	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-003	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/003
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	10.5
7.	Exit Gas Flow	Nm ³ /h	223.4

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	32	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

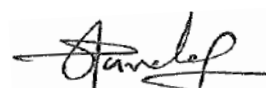
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-001	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/001
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	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 ³ /h	234.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.8	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Javik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-002	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-002	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/002
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm ³ /h	229.4

➤ **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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	24	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	40	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	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/23/07/AIL-2/S-003	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-003	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/003
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	227.9

➤ **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 ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	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/23/07/AIL-2/S-001	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/001
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	228.4

➤ **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 ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	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/23/07/AIL-2/S-002	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-002	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/002
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	238.1

➤ **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 ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

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

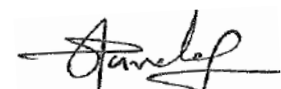
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-003	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-003	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/003
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm ³ /h	237.8

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

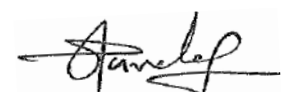
***** End of Report *****

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-001	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-001	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/001
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	238.9

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

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

Checked By:



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Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-002	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-002	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/002
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.0
7.	Exit Gas Flow	Nm ³ /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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

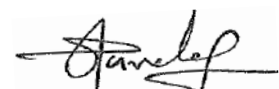
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-003	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-003	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/003
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	231.5

➤ **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 ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.9	**	GC Method

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

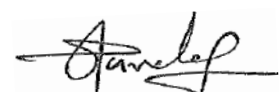
***** End of Report *****

Checked By:



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(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-001	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-001	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/001
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm ³ /h	230.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	25	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.5	**	GC Method

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


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

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-002	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-002	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/002
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	229.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.9	**	GC Method

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

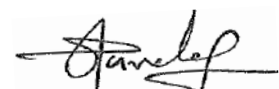
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-003	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-003	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/003
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	236.3

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

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

Checked By:



Nikunj D. Patel
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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-004	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-004	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/004
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	04/04/2022	Next Calibration Due On	05/05/2023

➤ **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.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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

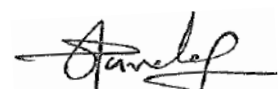
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-005	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-005	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/005
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	04/04/2022	Next Calibration Due On	05/05/2023

➤ **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.	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.

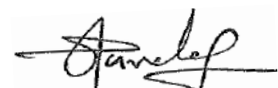
***** End of Report *****

Checked By:



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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-006	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-006	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/006
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	19/04/2023	Date of Testing	20/04/2023
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	23/04/2022	Next Calibration Due On	22/06/2023

➤ **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.	Oxides of Nitrogen (NOx)	mg/Nm ³	5.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

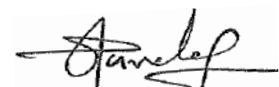
***** End of Report *****

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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-007	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-007	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/007
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	19/04/2023	Date of Testing	20/04/2023
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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 ₂)	mg/Nm ³	15.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	0.5	**	GC Method

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

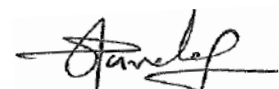
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-008	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-008	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/008
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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	40

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:2.0)	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/23/04/AIL-2/S-009	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-009	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/009
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	19/04/2023	Date of Testing	20/04/2023
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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

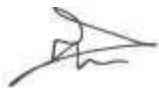
➤ **Test Parameter Results**

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

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

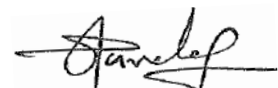
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-010	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-010	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/010
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	HNO3 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	23/04/2022	Next Calibration Due On	22/06/2023

➤ **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 (NOx)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

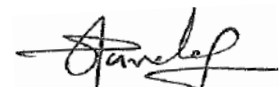
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-011	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-011	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/011
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	04/04/2022	Next Calibration Due On	05/05/2023

➤ **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	48

➤ **Test Parameter Results**

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

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

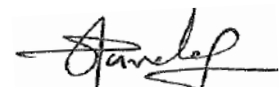
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-012	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-012	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/012
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank.		
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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


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

Checked By:



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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-013	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-013	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/013
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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	38

➤ **Test Parameter Results**

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

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

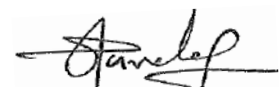
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-014	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-014	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/014
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	19/04/2023	Date of Testing	20/04/2023
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

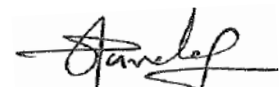
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-001	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-001	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/001
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	126
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	237.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	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:



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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-002	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-002	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/002
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm ³ /h	240.9

➤ **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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

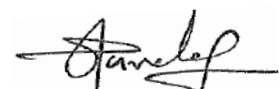
***** End of Report *****

Checked By:



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(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-003	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-003	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/003
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	236.1

➤ **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 ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	27	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	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/23/05/AIL-2/S-004	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-004	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/004
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	44

➤ **Test Parameter Results**

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

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

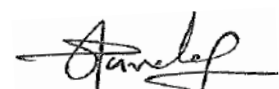
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-005	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-005	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/005
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	46

➤ **Test Parameter Results**

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

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

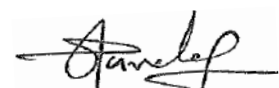
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-006	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-006	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/006
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	31/05/2023	Date of Testing	01/06/2023
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	23/05/2022	Next Calibration Due On	22/06/2023

➤ **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	42

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	2.1	25	IS: 11255 (Part 7): 2005 RA.2017

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

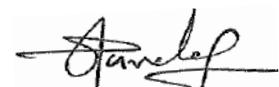
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-007	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-007	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/007
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	31/05/2023	Date of Testing	01/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	50

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.1	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.2	**	GC Method

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

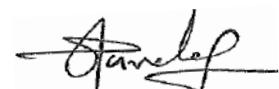
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-008	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-008	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/008
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:2.0)	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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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-009	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-009	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/009
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	31/05/2023	Date of Testing	01/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	45


➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	1.5	**	GC Method

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

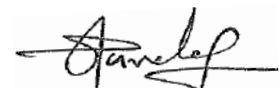
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-010	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-010	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/010
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	HNO3 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	23/05/2022	Next Calibration Due On	22/06/2023

➤ **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.	Oxides of Nitrogen (NOx)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

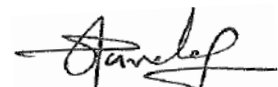
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-011	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-011	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/011
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	°C	50

➤ **Test Parameter Results**

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

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


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

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-012	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-012	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/012
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42


➤ **Test Parameter Results**

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

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

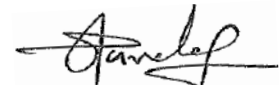
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-013	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-013	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/013
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	40

➤ **Test Parameter Results**

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

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

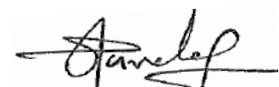
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-014	Report Issue Date	07/05/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-014	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/014
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	31/05/2023	Date of Testing	01/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

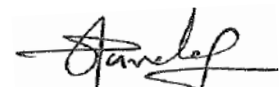
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-001	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/001
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	227.5

➤ **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 ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	34	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-002	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-002	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/002
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	235

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

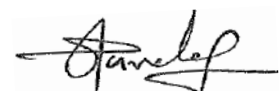
***** End of Report *****

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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-003	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-003	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/003
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	10.5
7.	Exit Gas Flow	Nm ³ /h	223.4

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	32	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

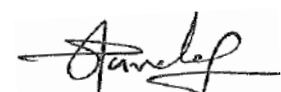
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-004	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-004	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/004
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-005	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/005
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	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.

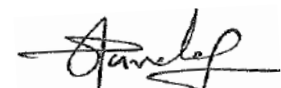
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-006	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-006	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/006
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	22/06/2023	Date of Testing	23/06/2023
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	23/06/2022	Next Calibration Due On	22/06/2023

➤ **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 (NOx)	mg/Nm ³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

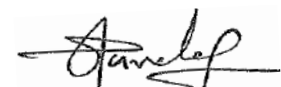
***** End of Report *****

Checked By:



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(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-007	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-007	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/007
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	22/06/2023	Date of Testing	23/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	8.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.5	**	GC Method

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

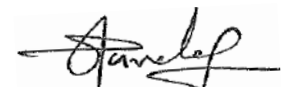
***** End of Report *****

Checked By:



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(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-008	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-008	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/008
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	1.5	40	IS 11255 (Part 2)

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

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

Checked By:



Nikunj D. Patel
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Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-009	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-009	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/009
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	22/06/2023	Date of Testing	23/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

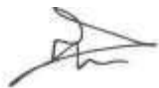
➤ **Test Parameter Results**

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

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

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

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-010	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-010	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/010
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	HNO3 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	23/06/2022	Next Calibration Due On	22/06/2023

➤ **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.	Oxides of Nitrogen (NOx)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

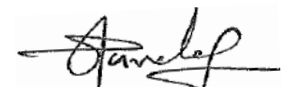
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-011	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-011	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/011
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	48

➤ **Test Parameter Results**

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

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

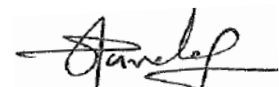
***** End of Report *****

Checked By:



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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-012	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-012	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/012
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:



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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-013	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-013	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/013
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	45

➤ **Test Parameter Results**

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-014	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-014	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/014
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	22/06/2023	Date of Testing	23/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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**

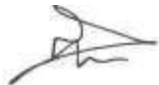
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.


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

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-001	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/001
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	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 ³ /h	234.0


➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.8	**	GC Method

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

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

Checked By:



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Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-002	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-002	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/002
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm ³ /h	229.4

➤ **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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	24	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	40	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

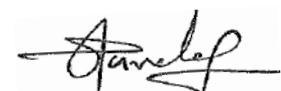
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-003	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-003	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/003
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	227.9

➤ **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 ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	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:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-004	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-004	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/004
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

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

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

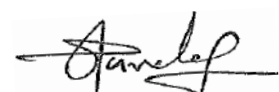
***** End of Report *****

Checked By:



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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-005	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-005	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/005
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	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.

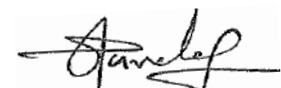
***** End of Report *****

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-006	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-006	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/006
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	24/07/2023	Date of Testing	25/07/2023
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	23/06//2022	Next Calibration Due On	24/07/2023

➤ **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 _x)	mg/Nm ³	3.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

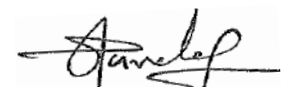
***** End of Report *****

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-007	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-007	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/007
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	24/07/2023	Date of Testing	25/07/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	5.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.6	**	GC Method

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

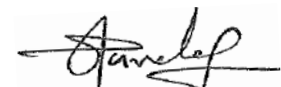
***** End of Report *****

Checked By:



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(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-008	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-008	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/008
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	2.2	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-009	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-009	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/009
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	24/07/2023	Date of Testing	25/07/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

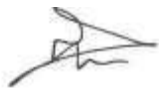
➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	1.2	**	GC Method

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

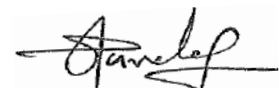
***** End of Report *****

Checked By:



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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-010	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-010	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/010
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	HNO ₃ Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06//2022	Next Calibration Due On	24/07/2023

➤ **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 _x)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

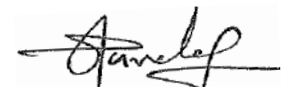
***** End of Report *****

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-011	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-011	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/011
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	52

➤ **Test Parameter Results**

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

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

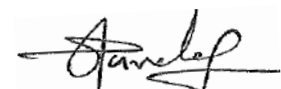
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-012	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-012	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/012
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

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

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


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

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-013	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-013	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/013
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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


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

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07//AIL-2/S-014	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07//S-014	Service Request Date	24/07//2023
Sample ID No.	UERL/AIR/D/ID/S-23/07//014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07//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	24/07//2023	Date of Testing	25/07//2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

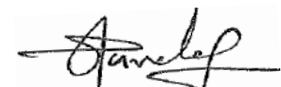
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-001	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-001	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/001
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	228.4


➤ **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 ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	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:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-002	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-002	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/002
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	238.1

➤ **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 ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

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

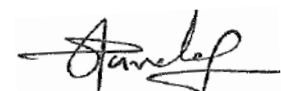
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-003	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-003	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/003
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm ³ /h	237.8

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

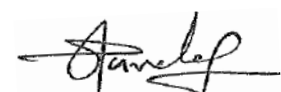
***** End of Report *****

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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-004	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-004	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/004
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	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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

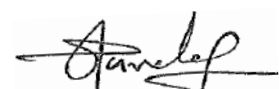
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Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-005	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-005	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	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.

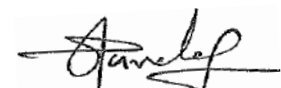
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-006	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-006	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
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	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 ³	2.1	25	IS: 11255 (Part 7): 2005 RA.2017

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

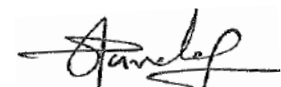
***** End of Report *****

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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-007	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-007	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	4.3	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.8	**	GC Method

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

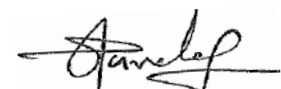
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-008	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-008	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	2.3	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

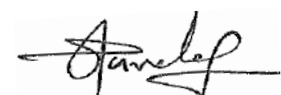
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Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-009	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-009	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

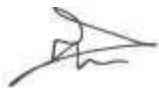
➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	1.5	**	GC Method

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

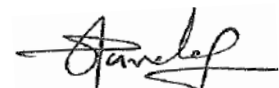
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-010	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-010	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	HNO3 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	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 ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

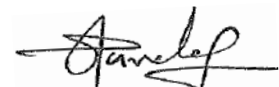
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-011	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-011	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	52

➤ **Test Parameter Results**

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

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

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

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-012	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-012	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Liquid SO₃ & Oleum Tank.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

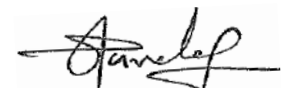
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-013	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-013	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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


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

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-014	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-014	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/014
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	22/08/2023	Date of Testing	23/08/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

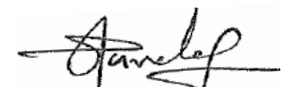
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-001	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-001	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/001
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	238.9

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

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

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-002	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-002	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/002
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.0
7.	Exit Gas Flow	Nm ³ /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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

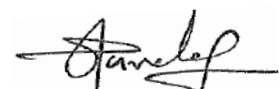
***** End of Report *****

Checked By:



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Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-003	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-003	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/003
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	231.5

➤ **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 ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.9	**	GC Method

Note: 1) ** 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/23/09/AIL-2/S-004	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-004	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

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

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

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

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-005	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-005	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/005
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

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

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

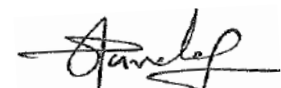
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-006	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-006	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
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	32
3.	Flue Gas Temperature	°C	50

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NO _x)	mg/Nm ³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

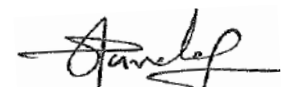
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-007	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-007	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/007
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	21/09/2023	Date of Testing	22/09/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.2	**	GC Method

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

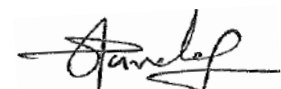
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-008	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-008	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/008
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	3.2	40	IS 11255 (Part 2)

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-009	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-009	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/009
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	21/09/2023	Date of Testing	22/09/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

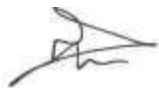
➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	3.6	**	GC Method

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

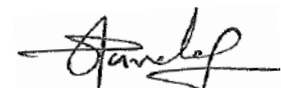
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-010	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-010	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/010
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	HNO3 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	32
3.	Flue Gas Temperature	°C	42

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

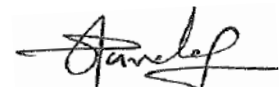
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-011	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-011	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/011
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	52

➤ **Test Parameter Results**

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

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

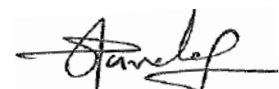
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-012	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-012	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/012
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Liquid SO₃ & Oleum Tank.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

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


➤ **Test Parameter Results**

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

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

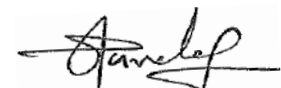
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-013	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-013	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/013
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

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

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


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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-014	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-014	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

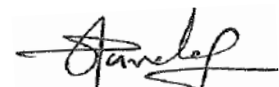
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)



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

E-mail : dyccebaroda@explosives.gov.in

Phone/Fax No : 0265 - 2225159

संख्यां /No. : P/WC/GJ/15/2712 (P423120)

दिनांक /Dated : 02/09/2022

सेवा में
/To,

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

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

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

महोदय
/Sir(s),

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

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

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

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

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

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

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

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

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

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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
इंजीनियर इलाक
औद्योगिक सहायता एवं स्वच्छ
भारुच

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

3	Eyewash station and safety showers shall be made available	Complied. Plant wise ,Floor wise installed safety shower and eye wash station i.e Dyphoterine kits boxes.
4	Dust monitoring shall be carried out periodically	Complied. Dust monitoring is being carried out monthly by a third party.
ii. Cleaning of Chemical Spillage.		
1	Certified Dust respirator shall be used	Complied. ISI certified dust mask is provided to all workers and employees who are working at a dusty workplace. Form 37 (Workplace Monitoring) attached in Annexure 11.
2	PPEs shall be used.	Complied. All workmen use appropriate PPEs during working time.
3	Chemicals will be stored in isolated storage rooms having provision for natural & forced ventilation.	Complied. Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.
4	Spillage shall be cleaned or neutralized with suitable media	Complied. Spillages will be cleaned/neutralized with suitable media when required.
5	Fire fighting facilities shall be made available near storage locations, if required	Complied. Near the storage yard, Portable fire extinguishers stand, Fire bucket stands, Fire Hydrant Systems, Fire Manual call points, Fire alarm etc has been provided.
Additional Recommendations		
1	Operators/Workers to be trained for Safe Work Practices	Complied. Safety training is provided periodically for Safe Work Practices and job SOP is given to all employees.
2	Chemical handling bags & dusty area to be labeled properly for each chemicals.	Complied. Chemical bags and dusted areas are labeled properly for each chemical.

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

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

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

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

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

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

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

4	Double Jumper clip shall be provided to all solvent handling pipelines.	Complied. Double Jumper clip shall be provided to all solvent handling pipelines.
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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 1st September 2019.

Terms and condition of the agreement is as below:

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



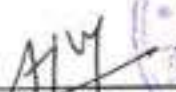

Following are the authorized person to call in case of seeking medical services:

Aarti Industries Limited, Dahej (Zone III):

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-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

**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:



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

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

Terms and condition of the agreement is as below:

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

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

Aarti Industries Limited, Dahej (Zone III):

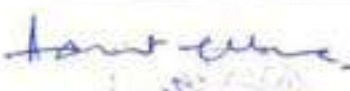

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industries.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas 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, IIIrd Phase, GIDC Vapi-396195, Dist- Valsad. INDIA. T : 0260-2400366.

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

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

<https://docs.google.com/document/d/10E254ZDf7CgqF048pCQ85vq254nkg0w/edit> | www.aarti-industries.com



Medical Certificate of Fitness

Date : 10/04/2023

We hereby certify that we have carefully examined Mr. Manojkumar Kharva Age 24Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.



Pre- employment Medical health Check-up

Sign of Consultant:

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, C1H
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Stamp of Consultant:



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: MANOJ KUMAR KHARVA

Age: 24

Sex: MALE

Present Medical Illness: NIL

Past Medical History: APPENDIX OPERATED

Dietary Habits: MIX

Addiction History: NIL

Family Medical History: NIL

Occupational History: NIL

Height: 169 cms Weight: 51.4 Kgs BMI: 18.0 Kg/m²

BP: 120/70 mmHg PR: 89 /min T: - F SpO₂: 98 %

General Examination: _____

CNS: WELL ORIENTED & CONSCIOUS. CVS: S1 & S2 HEARD NORMAL
RS: BIL AIR ENTRY PA: NORMAL.
NORMAL.

Trismus Test: _____

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N16</u>	<u>N16</u>
Far Vision	<u>6/6</u>	<u>6/6</u>
Colour Vision	<u>NAD</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms Manoj Kumar and have found his/her reports to be authentic. Kharya

Date: 10/06/2023 Signature of Medical Officer

Place: BHARUCH.

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO: G-11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	MANOJ KUMAR KHARVA
Age / Sex :	24 / MALE

Present Medical Illness :	NIL
Past Medical History :	APPENDIX OPERATED
Dietary Habits :	MIX
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	169 cm	Weight :	51.4 Kgs	BMI :	18.0 Kg/m ²
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Temperature :	F	Pulse Rate :	89 /min
Blood Pressure :	120/70 mm Hg	SpO ₂ :	98 %

Trismus Test	-
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General Examination	NORMAL
Central Nervous System	NORMAL
Ear/Nose/Throat	NORMAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	NORMAL
Musculoskeletal System	NORMAL

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour vision	I/AD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	5600	Bld group	A ₁ B	RBS	89-0	LFT	22115
RFT	1.2	G6PD	22.0	HBsAg	NON Reactive	Ur R&M	NORMAL
PFT	NORMAL	PTA		ECG	WNL	CXR	NORMAL

I have personally examined Mr/Ms. Manoj Kumar Ichavva and have verified his/her reports to be authentic.

Remarks (if any) :

Name of Physician	DR. DEVKUMAR VARMA
Stamp	M.D. (PATH), MBBS, CH OCCUPATIONAL HEALTH CONSULTANT REG. NO: G-11075
Date	20/06/2023
Place	BHARUCH.



Aarti Industries Limited

Self Declaration of Medical History

Name:	MANOJKUMAR KHARVA.	Age/Sex:	24 MALE
Agency Name:		Function:	
Division Name:		Emp. code/ Gate pass No:	

Do you have any of the following health problems?		Yes	No	Remark
If Yes, specify in remark column				
1	High / low blood pressure			
2	Diabetes Mellitus (Blood Sugar Problem)		✓	
3	Heart related problems - Chest pain, Heart Attack, Congenital conditions, valvular heart disease etc.		✓	
4	Respiratory related problems - Asthma/Shortness of breath/Chronic cough etc.		✓	
5	Nervous system related problems - Convulsion/Fits/Paralysis/Polio etc.		✓	
6	Liver/Gall Bladder related problems like jaundice /hepatitis/Gall stones etc.		✓	
7	Digestive system related problems - Peptic ulcer/bloody vomiting or stool/irregular bowel habits etc.		✓	
8	Kidney related problems - Renal stones/Blood in urine etc		✓	
9	Blood related problems - Anemia/Low platelet count/Sickle cell anemia/Thalassemia etc.		✓	
10	Any endocrine related disorder like thyroid conditions etc		✓	
11	Musculoskeletal disorders - Backache/Limb deformity/disc problem/joints problem etc.		✓	
12	Eye related problems - Refractive errors/colour blindness/squint/cataract etc.		✓	
13	Do you wear any contact lenses?		✓	
14	Ear related problems - Ear discharge/hearing loss/tinnitus etc.		✓	
15	Skin related problems - Rashes/psoriasis/scars etc.		✓	
16	Are you suffering from any communicable diseases? - Tuberculosis/HIV/Hepatitis B /Leprosy etc.		✓	
17	Mental Health related problem		✓	
18	Any Allergy - Drug/Food/Other		✓	
19	Vertigo / Giddiness		✓	
20	Phobia (Fear of hight or closed places/darkness)		✓	
21	Ankle swelling/Hernia / Hydrocele/Abdominal swelling etc		✓	
22	Any history of hospitalisation in past?		✓	
23	Any history of past surgeries?	✓		Appendix
24	Consumption/Habit - Drug/Alcohol/Tobacco/Smoking?	✓		
25	Any history of long term medications? OR currently taking any medication?		✓	
26	Any history of occupational injuries/illness in past?		✓	
27	Any past history of cyanosis? (Bluish discolouration of tongue/lips/nails)		✓	
28	Family History of Diabetes/Hypertension/Heart Attack/Mental disorder/ Asthma/cancer		✓	
29	For Female Last Menstrual Period _____ Any gynaecological disorder?		✓	
30	Any present complaints?		✓	
Additional Remark				

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.
For non-routine work only : I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 10/4/23
Place: Bhuzuch


Sign/Left thumb Impression of candidate



आरती इंडस्ट्रीज लिमिटेड

मेडिकल हिस्ट्री की स्व घोषणा

नाम:	MANOJ KUMAR KHARVA	उम्र और लिंग:	24 male
पंजीकी का नाम:		संबंधन:	
डिप्टीजम:		एम्प्लोयी कोड / गेट पास नं:	

क्या आपको निम्नलिखित स्वास्थ्य समस्या है ?

	हाँ	नहीं	टिप्पणी
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	हाँ	नहीं	टिप्पणी
1. खास प्रकार की बीमारी (कतघात)		✓	
2. उपचिटील - शुगर की बीमारी (मधुमेह)		✓	
3. इटय से जुड़ी हुई समस्या - छाती में दर्द / हाई एटेक/अनजान इटय की बीमारी विगेरे		✓	
4. श्वासन संबंधी समस्याएं - अस्थमा / सांस की तकलीफ / अवादा समय से छाती विगेरे		✓	
5. टिप्पण सम्बंधित समस्या (मिर्गी - खोंच अजल, अकवा होना, मोलिया विगेरे)		✓	
6. निजर / निजाराय से सम्बंधित समस्या जैसे पीडिया / हेपेटाइटिस / पित की प्यरी विगेरे		✓	
7. पायन तक सम्बंधित समस्या - पेट में छाते / अलटी या संछय में खुन अजल / विगेरे		✓	
8. किडनी संबंधी समस्या - यूरिन में अजल / पथरी का दर्द / यूरिन में खुन अजल विगेरे		✓	
9. रक्त संबंधी समस्याएं - हीमोग्लोबिन की कमी / ट्राक कनिक् की कमी / शिक्ल सेल एनीमिया / वीलेहीमिया विगेरे		✓	
10. धावराहु (बैंग/गोडर) जैसी कोई अल: साथी समस्या		✓	
11. कमर दर्द / अल विकृति / रीढ़ की हड्डी / डिस्क की समस्या / जोडो की समस्या विगेरे		✓	
12. अर्धो सम्बंधित समस्या - अजर की कमजोरी / रोग पहुंचाने में तकलीफ होना / मोलिया किन्ट विगेरे		✓	
13. क्या आप कॉन्टैक्ट लेंस पहनते हो ?		✓	
14. कान के सम्बंधित समस्या - कान में पाकपका होना / सही से सुनाई न देना / विगेरे		✓	
15. त्था सम्बंधित समस्या - अल पकवा होना / सेरियासिस / पाव - विकृति के निशान विगेरे		✓	
16. क्या आप किसी संक्रमित रोग से पीडित हो ? - लख रोग / एच आई वी / हेपेटाइटिस बी / कुण्ड रोग विगेरे		✓	
17. मानसिक बीमारी		✓	
18. किसी दवाई / खान / या अन्य कोई चीज की अलेजी		✓	
19. पाककर अजल		✓	
20. अंघाई से डर लगना / अंधेरे से डर लगना विगेरे		✓	
21. पिर में खुन / हनिया / हीमुरिस / पेट में पाजी अजल विगेरे		✓	
22. क्या आप कभी अस्पताल में अरी हुए हो ?	✓		
23. कभी कोई अंधेरेस / सजीरी हुआ है ?	✓		appendix
24. किसी भी लसीली दवा / राख / लकाकू का सेवन /पुपान		✓	
25. क्या आपने लम्बे समय तक कोई दवाइया खाई है ? या वर्तमान में कोई दवा से रहा है ?		✓	
26. क्या आपको कभी कोई वयतसाय सम्बंधित घोट / बीमारी हुई है ?		✓	
27. क्या कभी जीअ / होठ या नासुनो में मोलापन हुआ है ?		✓	
28. क्या आपके पीडर में किसी को रक्तवाध/शुगर की बीमारी / हाई अटेक / मधुमेह बीमारी / टमा / कैसर है ?		✓	
29. मडिलनी के निर	आपकी मडिलनी की लरीख _____ इसी रोग संबंधी समस्या		
30. हाल में कोई समस्या / बीमारी है ?		✓	

मे प्रमाणित करता हूँ की मेरे द्वारा दिया गया उपर्युक्त विवरण मेरी जलकारी और विचार के अनुसार सही और पूर्ण है।
केवल नॉन स्टॉर काम के लिये - मैं इस बात की घोषणा करता हूँ कि मैं कंपनी नीति के अनुसार मेँ रालायनिक प्रक्रिया शर्तों में काम लही करेगा।

दिनांक: 10/11/23
स्थान: Bhuvach.

अधिकृत के इरलाधार या बाएंअंगुठे का निशान

FORM NO. 33
(Prescribed under Rule 68-T and 102)


Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

- | | | | |
|----|--|---|--------------------|
| 1. | Serial number in the register of adult workers | : | |
| 2. | Name of the person examined | : | MANDJ KUMAR KHARVA |
| 3. | Father's Name | : | RANGSH BHAI KHARVA |
| 4. | Sex | : | MALE |
| 5. | Residence | : | ANAND |
| 6. | Date of birth, if available | : | 05/22/2999 |
| 7. | Name & address of the factory | : | |
| 8. | The worker is employed/proposed | : | |
| | (a) Hazardous process | : | |
| | (b) Dangerous operation | : | |

I certify that I have personally examined the above named person whose identification marks are... M.O.C. ON FACEand who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 24 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.



Signature or left hand thumb
Impression of the person examined:

Signature of the Factory Medical Officer:
DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO. G-11075

Stamp of factory
Medical Officer with

Name of the Factory:

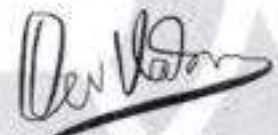


TEST REPORT			
			
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT
(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobin	14.0	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	5.2	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	48.8	%	40 - 50	Cumulative Pulse Height
MCV	99.6	fL	83 - 101	Derived From RBC Histogram
MCH	28.5	pg	27 - 32	Calculated
MCHC	33.5	%	31.5 - 34.5	Calculated
RDW	13.0	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	5600	/c.mm	4000 - 10000	Electrical Impedance
Differential Count [%]		Unit	Biological Ref. Interval [Abs.]	Unit Biological Ref. Interval
<i>(Flowcytometry /MICROSCOPY)</i>				
Polymorphs	65	%	40 - 80	3640 /c.mm 2000 - 7000
Lymphocytes	25	%	20 - 40	1400 /c.mm 1000 - 3000
Monocytes	08	%	2 - 10	448 /c.mm 200 - 1000
Eosinophils	02	%	1 - 6	112 /c.mm 00 - 500
Basophils	00	%	0 - 2	0 /c.mm 00 - 100
Neutrophil to Lymphocyte Ratio (NLR)	2.6	%	0.78 - 3.53	Calculated
Platelet Count	236000	/c.mm	150000 - 410000	Electrical Impedance
ESR	05	mm		Modified westergren method
REFERENCES	(1) Practical Hematology by Dacie & Lewis (12th Edition). (2) Nathan/Oski, Hematology of Infancy and Childhood (7th Edition, 2009).			

----- End Of Report -----



* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489



2301000817

TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.0	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.8	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.3	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.5	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	22.5	U/L	0 - 40	IFCC
S.G.O.T. (AST)	15.6	U/L	0 - 40	IFCC
Alkaline Phosphatase	65.0	U/L	35 - 105	AMP
Random Plasma Glucose	89.0	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----

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M.D. (Pathologist)
Reg. No. G-2489

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TEST REPORT



Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	1.2	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	33.0	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	15.4	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	12.8	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----



Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

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2301000817

TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

SERUM CHOLINESTERASE ESTIMATION

(Specimen: Serum)

Investigation	Result	Unit	Biological Reference Interval	Method
Cholinesterase	5556.0	U/ml	4250 - 12000	Dri-chemistry

Comments:

- Cholinesterase is also called pseudocholinesterase.
- **The main indicators for measuring pseudocholinesterase are:**
 - Monitoring exposure to cholinesterase inhibitors
 - As a liver function test
 - Diagnosis of genetic variants.
- The most important use of cholinesterase is to measure the exposure to organophosphorus compounds like organophosphate insecticide which are irreversible inhibitors of both pseudocholinesterase and acetylcholinesterase.
- For individuals working in industries manufacturing organophosphate insecticides, a baseline measurement is recommended. A decrease of 40% from baseline produces symptoms and a decrease of 80% from baseline leads to severe symptoms.
- Pseudocholinesterase reflects acute toxicity while acetyl cholinesterase (true cholinesterase) reflects chronic exposure

Decreased levels:

- Organophosphate poisoning .
- Liver diseases like Acute hepatitis, Cirrhosis & Metastatic carcinoma to liver.
- Malnutrition

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----



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Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc. DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. NITESH MARTEL
M.D. Microbiology
Reg. No. G-2493

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, R.K. Caste, Behind Super Market, Station Rd, Bharuch, Gujarat 392001



2301000817

TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quantitative	12.0	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

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TEST REPORT



2301000817

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval
HBsAg Qualitative	Non- Reactive		Non -Reactive

----- End Of Report -----

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M.D. (Pathologist)
Reg. No. G-2489



TEST REPORT



2301000817

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)

Method : (Microscopic Examination)

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

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TEST REPORT



2301000817

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Investigation	Result	Method
ABO TYPE	"A"	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

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2301000817

TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.))

Investigation	Result	Biological Ref. Interval	Method
PHYSICAL EXAMINATION			
<u>Colour</u>	Pale Yellow	Pale Yellow	
<u>Transparency</u>	Clear	Clear	
CHEMICAL EXAMINATION (Automated Strip test)			
<u>Specific Gravity</u>	1.015	1.005 - 1.025	
<u>Reaction (pH)</u>	6.0	4.5 - 8.0	
<u>Sugar</u>	Absent	Absent	
<u>Acetone</u>	Absent	Negative	
<u>Proteins</u>	Absent	Absent	
<u>Bilirubin</u>	Absent	Negative	
<u>Urobilinogen</u>	Absent	Negative	
<u>Leukocyte Esterase</u>	Absent	Negative	
<u>Nitrite</u>	Absent	Negative	
<u>Blood</u>	Absent	Negative	

MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref. Interval	Method (Microscopy)
<u>Pus Cells</u>	1-2	/HPF	Absent	
<u>Red Cells</u>	NIL	/HPF	Absent	
<u>Epithelial Cells</u>	3-4	/HPF	Absent	

----- End Of Report -----



2301000817

TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

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This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

ID: 27

MANOJKUMAR
Male 24Years

10-04-2023 11:17:06

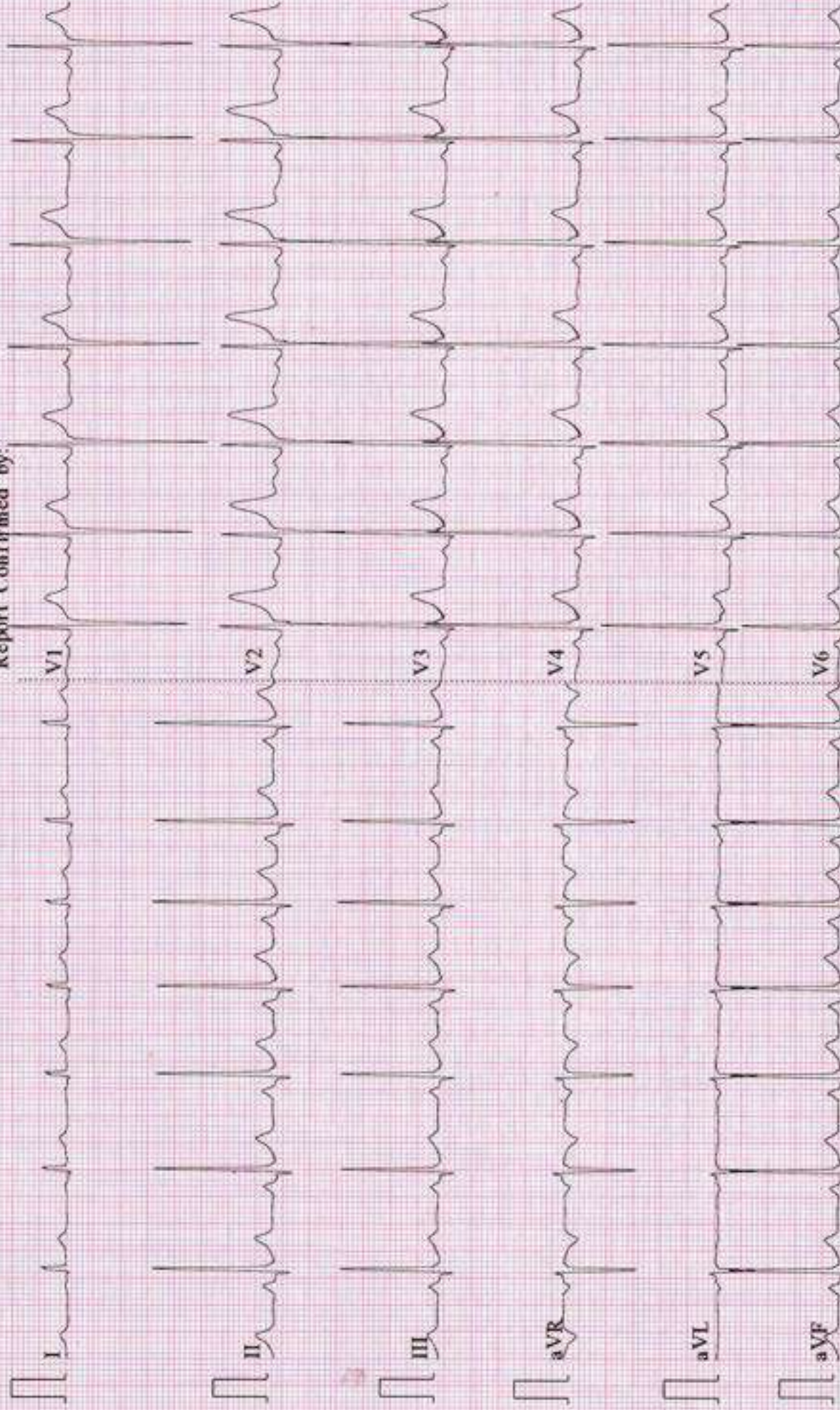
HR : 85 bpm
P : 92 ms
PR : 139 ms
QRS : 68 ms
QT/QTc : 337/401 ms
PQRST : 78/78/65 °
RV5/SV1 : 2.289/2.238 mV

Diagnosis Information:

Sinus Arrhythmia
Suspect Inferior Myocardial Infarction?
Left Ventricular Hypertrophy
ST Elevation(II,III,aVF,V4,V5,V6)

WNL

Report Confirmed by:



0.67-100Hz AC50 25mm/s 10mm/mV 2*5.0s ♥85 V2.2 SEMIP V1.81 S R HEALTHCARE SERVICES - BHARUCH

MATESHREE ENT. HOSPITAL

AUDIOGRAM



DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____

Date : 10/06/23

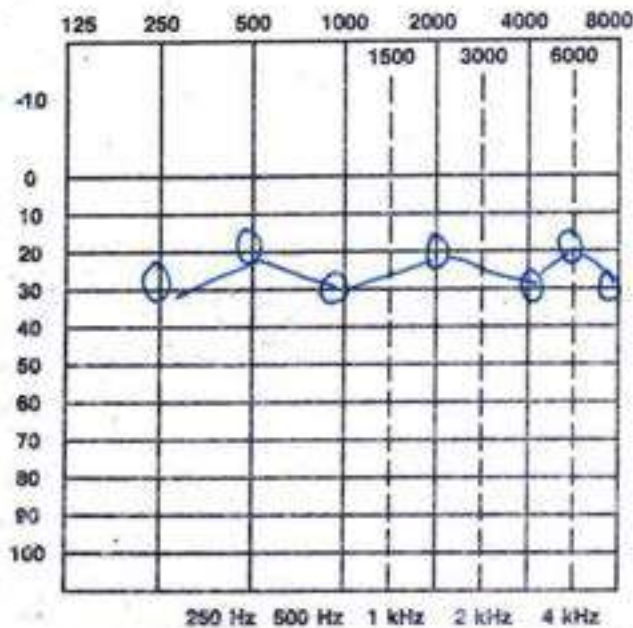
Audiogram of Manoj Kumar Chavra

Age 24 Yrs. Sex Male Ref. by _____

Occupation _____

Address _____

RIGHT



250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

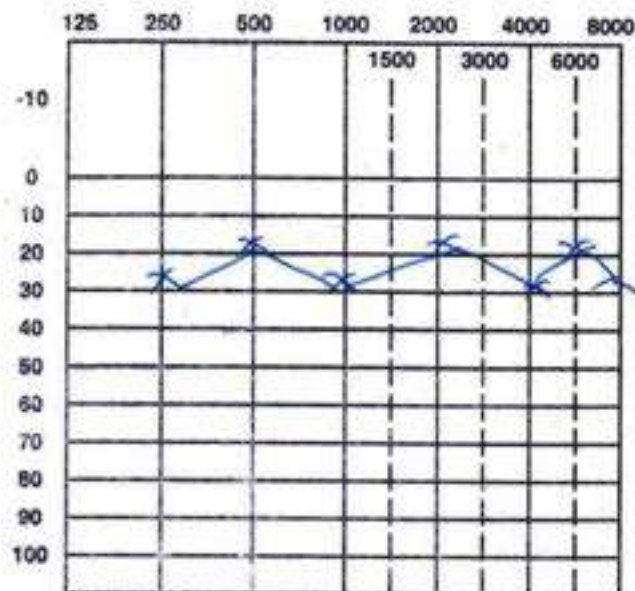
WEBER

Lateralized to

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△		0
L	X	>	□		X

LEFT



250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

Clinical Findings _____

Comments ALL NORMAL

Dr. Gaurang Joshi
DLO MS (ENT)
Regd G 7667

Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH-392001
Ph.: (H)02642-269880

DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



Medicaid Systems
389, Phase-II, Industrial Area

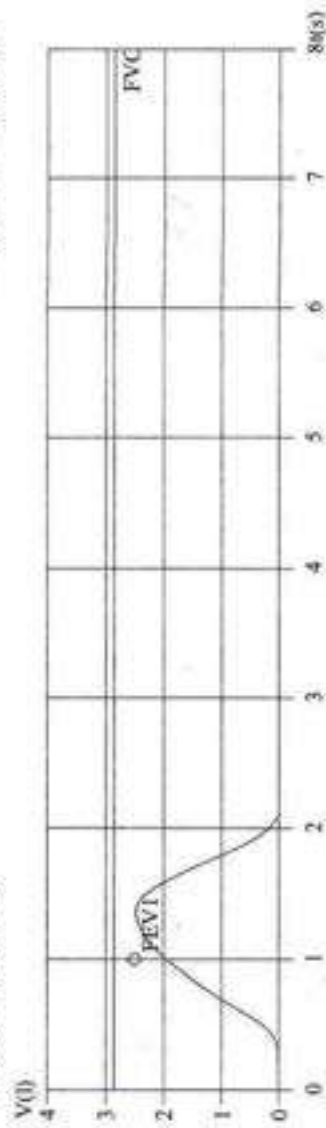
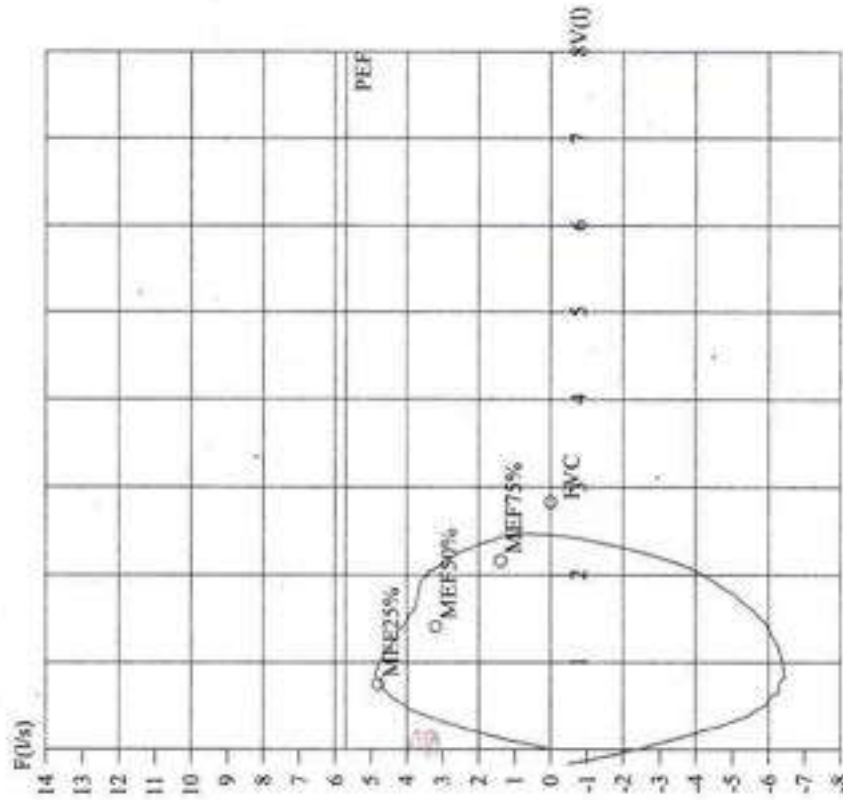
Last Name: **MANOJKUMAR KHARVA**
 First Name: **117**
 ID: **10-04-2023**
 Date: **ERS 93**
 Predicted:

Date of Birth: **10-04-1999**
 Sex: **Male**
 Ethnic Corr: **60%**
 Description:
 Comments:

Age: **24**
 Weight (Kg): **51**
 Height (cm): **169**
 BSA (m2): **1.58**
 Smoker: **ex**

TEST #1 - 10-04-2023

Forced Vital Capacity



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	2.86	2.62	91.6
FEV0.5(L)	---	0.31	---
FEV1(L)	2.45	2.06	84.1
FEV1/FVC%	82.89	78.63	94.9
PEF(L/s)	5.7	4.9	86
PIF(L/s)	---	6.45	---
FEF25-75%(L/s)	2.97	4.23	142.4
Vmax25%(L/s)	4.84	4.6	95
Vmax50%(L/s)	3.19	4.24	132.9
Vmax75%(L/s)	1.47	3.64	247.6
FET100%(s)	---	1.34	---
ELA (Years)	75	87	

INTERPRETATION

Pre: Normal Spirometry (%FEV1/FVC>80%,Pred%FEV1/FVC and FVC>80%PredFVC)

Mr

DR. DEVKUMAR VARMA
M.D. (P&T), MBBS, CEN
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075



NAME : MANOJKUMAR KHARVA
DATE : 10/04/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

K.B. Vasava

DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST



R



MANOJ KUMAR KHARVA 100402 M CHEST PA 10-Apr-23 10:45 AM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



Medical Certificate of Fitness

Date : 25/05/2023

We hereby certify that we have carefully examined Mr. Krunal Prajapati Age 24Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.

Pre-employment Medical health Check-up

Sign of Consultant:

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Stamp of Consultant:



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: KRUNAL PRAJAPATI

Age: 24 Sex: MALE

Present Medical Illness: NIL

Past Medical History: APPENDIX OPERATED

Dietary Habits: MIX

Addiction History: NIL

Family Medical History: NIL

Occupational History: NIL

Height: 167 cms Weight: 47.4 Kgs BMI: 17.0 Kg/m²

BP: 120/80 mmHg PR: 77/min T: - F SpO₂: 98 %

General Examination: ROMBERG'S TEST NEGATIVE

CNS: WELL ORIENTED & CONSCIOUS CVS: S1 & S2 HEARD NORMAL

RS: BIL AIR ENTRY PA: NORMAL
INDICAL.

Trismus Test:

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N16</u>	<u>N16</u>
Far Vision	<u>616</u>	<u>616</u>
Colour Vision	<u>NAD</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms KRUNAL PRAJAPATI and have found his/her reports to be authentic.

Date: 25/05/23 Signature of Medical Officer

Place: BHARUCH

DR. DEVKUMAR VARMA
M.D. (PATH) MBBS, CIB
OCCUPATIONAL HEALTH CONSULTANT
REG. NO: G-11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	KIRUNAL PRASADPATI
Age / Sex :	26 / MALE

Present Medical Illness :	NIL
Past Medical History :	APPENDIX OPERATED
Dietary Habits :	NIL
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	167 cm	Weight :	47.4 Kgs	BMI :	17.0 Kg/m ²
----------	--------	----------	----------	-------	------------------------

Temperature :	F	Pulse Rate :	77/min
Blood Pressure :	120/80 mm Hg	SpO ₂ :	99 %

Trismus Test	
--------------	--

General Examination	NORMAL
Central Nervous System	NORMAL
Ear/Nose/Throat	NORMAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	NORMAL
Musculoskeletal System	NORMAL

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour vision	NAD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	5900	Bld group	O ⁺ VB	RBS	PS-0	LFT	29120
RFT	0.7	G6PD	22.3	HBsAg	NON REACTIVE	Ur R&M	NORMAL
PFT	NORMAL	PTA		ECG	WNL	CXR	NORMAL

I have personally examined Mr/Ms. Krunal Prajapati and have verified his/her reports to be authentic.

Remarks (if any) :

Name of Physician	DR. DEVKUMAR VARMA M.D. (PATH, MBBS, CH)
Stamp	OCCUPATIONAL HEALTH CONSULTANT REG. NO. G-11075
Date	25/05/2023
Place	BHARUCH.



आरती इंडस्ट्रीज लिमिटेड

मेडिकल हिस्ट्री की स्व घोषणा

नाम :	Krunal Prujapati	उम्र और लिंग :	24 / m
पतेसी का नाम :		फैमिली :	
डिपेंडेंस :		एम्प्लोयी कोड / गेट पास नं.	

क्या आपको निम्नलिखित स्वास्थ्य समस्या है ?	यदि हाँ, तो किस तरह में बताते		
	हाँ	नहीं	टिप्पणी
1. बलत प्रेशर की बीमारी (रक्तचाप)			
2. डायबिटीस - शुगर की बीमारी (मधुमेह)			
3. हृदय से जुड़े हुई समस्या - छाती में दर्द / हाई एटेक / अचानक हृदय की बीमारी विगेरे			
4. इस्तेमाल संबंधी समस्याएं - अस्थमा / सांस की तकलीफ / ज्यादा समय से खांसी विगेरे			
5. दिमाग सम्बंधित समस्या (मिर्गी - खींच आना, लकवा होना, पॉस्त्रो विगेरे)			
6. किडनी / पित्तबाध से संबंधित समस्या जैसे पीलिया / हेपेटाइटिस / पित्त की पथरी विगेरे			
7. पाचन तंत्र सम्बंधित समस्या - पेट में छासे / उलटी या संज्ञा में खूब आना / विगेरे			
8. किडनी संबंधी समस्या - यूरिन में खून / पथरी का दर्द / यूरिन में खून आना विगेरे			
9. रक्त संबंधी समस्याएं - हीमोग्लोबिन की कमी / टाक कलिया की कमी / लिफ्ट सेल एनीमिया / सी सेलैनीया विगेरे			
10. थायराइड (खैना/गोइटर) जैसी कोई अंतः क्रावी समस्या			
11. कमर दर्द / अंग विकृति / रीढ़ की हड्डी / डिस्क की समस्या / जोड़ों की समस्या विगेरे			
12. उर्लिया सम्बंधित समस्या - तज्जर की कजजोरी / रंग पड़वाने में तकलीफ होना / मोतिया बिन्दु विगेरे			
13. क्या आप कॉन्टैक्ट लेंस पहनते हैं ?			
14. कान के सम्बंधित समस्या - कान में चक्कर/चर्रा होना / सही से सुनई न देना / विगेरे			
15. त्वचा सम्बंधित समस्या - लाल चकत्ते होना / सोरियासिस / घाव - विकृति के निशान विगेरे			
16. क्या आप किसी संक्रमित रोग से पीड़ित हैं ? - साथ रोग / एच आई वी / हेपेटाइटिस बी / बुन्ध रोग विगेरे			
17. मानसिक बीमारी			
18. किसी दवाई / खाना / या अन्य कोई चीज की अलैर्जी			
19. चक्कर आना			
20. उंचाई से डर लगना / अँधेरे से डर लगना विगेरे			
21. पैर में सूजन / हडिया / सिइलिस / पेट में पानी भरना विगेरे			
22. क्या आप कभी अस्पताल में भर्ती हुए हैं ?			
23. कभी कोई ओपरेशन / सर्जरी हुआ है ?			Appendix
24. किसी भी नशीली दवा / शराब / तंबाकू का सेवन / पुरुषाण			
25. क्या आपने अपने समय तक कोई दवाइया खाई है ? या वर्तमान में कोई दवा ले रहा है ?			
26. क्या आपके कभी कोई व्यवसाय सम्बंधित घोट / बीमारी हुई है ?			
27. क्या कभी जीम / हीट या मासुली में गीलापन हुआ है ?			
28. क्या आपके परिवार में किसी को रक्तचाप/शुगर की बीमारी / हाई अटेक / मानसिक बीमारी/ दमा / कैंसर है ?			
29. महिलाओं के लिए	असहरी मासिक की तारीख _____ इसी रोग संबंधी समस्या _____		
30. हाल में कोई समस्या / बीमारी है ?			

मैं प्रमाणित करता हूँ की मेरे द्वारा दिया गया उपर्युक्त विवरण मेरी जानकारी और विश्वास के अनुसार सही और पूर्ण है।
 केवल गौन स्टोन काम के लिये : मैं इस बात की घोषणा करता हूँ कि मैं कंपनी नीति के उपबन्धन में रासायनिक प्रक्रिया सेबों में काम नहीं करूंगा।

दिनांक: 25/05/23
 स्थान: Bharuch

Krunal

स्थान के हस्ताक्षर या कार्यालय का निशान



Aarti Industries Limited

Self Declaration of Medical History

Name:	Krunal Prajapati	Age/Sex:	24 / m
Agency Name:		Function:	
Division Name:		Emp. code/ Gate pass No:	

Do you have any of the following health problems?		Yes	No	Remark
If Yes, specify in remark column				
1	High / low blood pressure		✓	
2	Diabetes Mellitus (Blood Sugar Problem)		✓	
3	Heart related problems - Chest pain, Heart Attack, Congenital conditions, valvular heart disease etc.		✓	
4	Respiratory related problems - Asthma/Shortness of breath/Chronic cough etc.		✓	
5	Nervous system related problems - Convulsion/Fits/Paralysis/Polio etc.		✓	
6	Liver/Gall Bladder related problems like jaundice /Hepatitis/Gall stones etc.		✓	
7	Digestive system related problems - Peptic ulcer/bloody vomiting or stool/Irregular bowel habits etc.		✓	
8	Kidney related problems - Renal stones/Blood in urine etc		✓	
9	Blood related problems - Anemia/Low platelet count/Sickle cell anemia/Thalassemia etc.		✓	
10	Any endocrine related disorder like thyroid conditions etc		✓	
11	Musculoskeletal disorders - Backache/Limb deformity/disc problem/joints problem etc.		✓	
12	Eye related problems - Refractive errors/colour blindness/squint/cataract etc.		✓	
13	Do you wear any contact lenses?		✓	
14	Ear related problems - Ear discharge/hearing loss/tinnitus etc.		✓	
15	Skin related problems - Rashes/psoriasis/scars etc.		✓	
16	Are you suffering from any communicable diseases? - Tuberculosis/HIV/Hepatitis B /Leprosy etc.		✓	
17	Mental Health related problem		✓	
18	Any Allergy - Drug/Food/Other		✓	
19	Vertigo / Giddiness		✓	
20	Phobia (Fear of height or closed places/darkness)		✓	
21	Ankle swelling/Hernia / Hydrocele/Abdominal swelling etc		✓	
22	Any history of hospitalisation in past?	✓		
23	Any history of past surgeries?	✓		Appendix
24	Consumption/Habit - Drug/Alcohol/Tobacco/Smoking?		✓	
25	Any history of long term medications? OR currently taking any medication?		✓	
26	Any history of occupational injuries/illness in past?		✓	
27	Any past history of cyanosis? (Bluish discolouration of tongue/lips/nails)		✓	
28	Family History of Diabetes/Hypertension/Heart Attack/Mental disorder/ Asthma/cancer		✓	
29	For Female	Last Menstrual Period _____		
		Any gynaecological disorder?		
30	Any present complaints?		✓	

Additional Remark

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.
 For non-routine work only : I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 25/05/23
 Place: Bharuch


 Sign/Left thumb impression of candidate

FORM NO. 33
(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

- | | | | |
|----|--|---|---------------------------|
| 1. | Serial number in the register of adult workers | : | |
| 2. | Name of the person examined | : | Krunal Prajapati |
| 3. | Father's Name | : | Parsottambhai Prajapati |
| 4. | Sex | : | Male |
| 5. | Residence | : | Khambhat |
| 6. | Date of birth, if available | : | 23/07/1998 |
| 7. | Name & address of the factory | : | Aarti Industries Limited. |
| 8. | The worker is employed/proposed | : | |
| | (a) Hazardous process | : | |
| | (b) Dangerous operation | : | |

I certify that I have personally examined the above named person whose identification marks are Mole On Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 24 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.

X - Krunal
Signature or left hand thumb
Impression of the person examined:

Signature of the Factory Medical Officer

DR. DEVKUMAR VARMA
M.D. (PATH, MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO: G-11875

Stamp of factory
Medical Officer with

Name of the Factory:



TEST REPORT



Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobin	14.6	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	5.0	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	46.7	%	40 - 50	Cumulative Pulse Height
MCV	93.2	fl	83 - 101	Derived From RBC Histogram
MCH	30.2	pg	27 - 32	Calculated
MCHC	32.0	%	31.5 - 34.5	Calculated
RDW	13.2	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	5900	/c.mm	4000 - 10000	Electrical Impedance
Differential Count [%]		Unit	Biological Ref. Interval [Abs.]	Unit Biological Ref. Interval
<i>(Flowcytometry / MICROSCOPY)</i>				
Polymorphs	70	%	40 - 80	4130 /c.mm 2000 - 7000
Lymphocytes	26	%	20 - 40	1534 /c.mm 1000 - 3000
Monocytes	03	%	2 - 10	177 /c.mm 200 - 1000
Eosinophils	01	%	1 - 6	59 /c.mm 00 - 500
Basophils	00	%	0 - 2	0 /c.mm 00 - 100
Neutrophil to Lymphocyte Ratio (NLR)	2.7	%	0.78 - 3.53	Calculated
Platelet Count	351000	/c.mm	150000 - 410000	Electrical Impedance
ESR	04	mm		Modified westergren method

REFERENCES
(1) Practical Hematology by Dacie & Lewis (12th Edition).
(2) Nathan/Oski, Hematology of Infancy and Childhood (7th Edition, 2009).

----- End Of Report -----

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)

* Bold Indicates Abnormal Values
This is an electronically authenticated report.



2301005093

TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.1	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.6	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.1	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.5	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	29	U/L	0 - 40	IFCC
S.G.O.T. (AST)	20	U/L	0 - 40	IFCC
Alkaline Phosphatase	52	U/L	35 - 105	AMP
Random Plasma Glucose	85	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----

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M.D. (Microbiology)

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Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	0.7	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	22.1	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	10.3	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	14.7	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

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M.D. (Microbiology)



2301005093

TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

SERUM CHOLINESTERASE ESTIMATION

(Specimen: Serum)

Investigation	Result	Unit	Biological Reference Interval	Method
Cholinesterase	6500	U/ml	4250 - 12000	Dri-chemistry

Comments:

- Cholinesterase is also called pseudocholinesterase.
- **The main indicators for measuring pseudocholinesterase are:**
 - Monitoring exposure to cholinesterase inhibitors
 - As a liver function test
 - Diagnosis of genetic variants.
- The most important use of cholinesterase is to measure the exposure to organophosphorus compounds like organophosphate insecticide which are irreversible inhibitors of both pseudocholinesterase and acetylcholinesterase.
- For individuals working in industries manufacturing organophosphate insecticides, a baseline measurement is recommended. A decrease of 40% from baseline produces symptoms and a decrease of 80% from baseline leads to severe symptoms.
- Pseudocholinesterase reflects acute toxicity while acetyl cholinesterase (true cholinesterase) reflects chronic exposure

Decreased levels:

- Organophosphate poisoning .
- Liver diseases like Acute hepatitis, Cirrhosis & Metastatic carcinoma to liver.
- Malnutrition

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

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M.D. (Microbiology)

AKSHAY PATEL
B.Sc. DMML
Director & Founder
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. NITESH PATEL
M.D. Microbiology
Reg. No. G-2490

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, 1st Floor, Park Vista, Behind Super Market, Station Rd, Bhamburda, Gujarat 392001

H 101/102, 1st Floor, Park Vista, Behind Super Market, Station Rd, Bhamburda, Gujarat 392001



TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quantitative	12.3	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

----- End Of Report -----

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M.D. (Microbiology)



TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg.No.	: 2301005093
Account	: LAB	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval
HBsAg Qualitative	Non-Reactive		Non -Reactive

Please Note: This is Rapid screening test please confirm it with Elisa test (confirmatory test).

----- End Of Report -----

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TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)
Method : (Microscopic Examination)

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected

----- End Of Report -----

Nitesh Patel

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M.D. (Microbiology)



TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Investigation	Result	Method
ABO TYPE	"O"	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).

----- End Of Report -----



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M.D. (Microbiology)

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TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.))

Investigation	Result	Biological Ref. Interval	Method
PHYSICAL EXAMINATION			
<u>Colour</u>	Pale Yellow	Pale Yellow	
<u>Transparency</u>	Clear	Clear	
CHEMICAL EXAMINATION (Automated Strip test)			
<u>Specific Gravity</u>	1.005	1.005 - 1.025	
<u>Reaction (pH)</u>	7.0	4.5 - 8.0	
<u>Sugar</u>	Absent	Absent	
<u>Acetone</u>	Absent	Negative	
<u>Proteins</u>	Absent	Absent	
<u>Bilirubin</u>	Absent	Negative	
<u>Urobilinogen</u>	Absent	Negative	
<u>Leukocyte Esterase</u>	Absent	Negative	
<u>Nitrite</u>	Absent	Negative	
<u>Blood</u>	Absent	Negative	
MICROSCOPIC EXAMINATION			
Result	Unit	Biological Ref. Interval	Method (Microscopy)
<u>Pus Cells</u>	1-2	/HPF	Absent
<u>Red Cells</u>	NIL	/HPF	Absent
<u>Epithelial Cells</u>	3-4	/HPF	Absent

----- End Of Report -----

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Approved by: Dr. Nitesh Patel
M.D. (Microbiology)

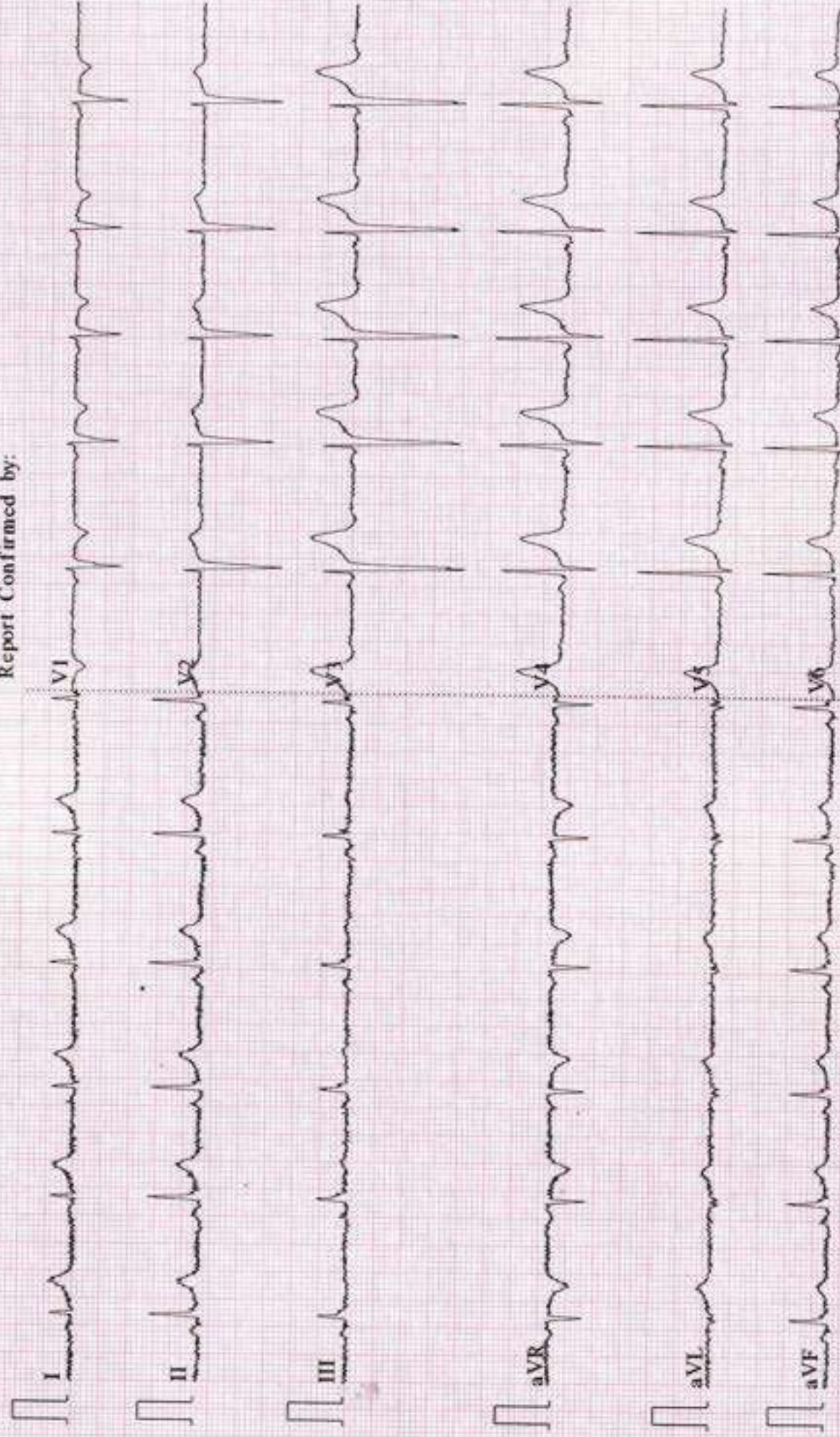
KRUNAL PRAJAPATI
Male 24Years

HR : 66 bpm
P : 93 ms
PR : 126 ms
QRS : 91 ms
QT/QTc : 361/381 ms
PQRST : 67.67/39 °
RV5/SV1 : 1.637/0.836 mV

Diagnosis Information:
Sinus Arrhythmia

WNL

Report Confirmed by:



MATESHREE ENT. HOSPITAL

AUDIOGRAM



DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____ Date : _____

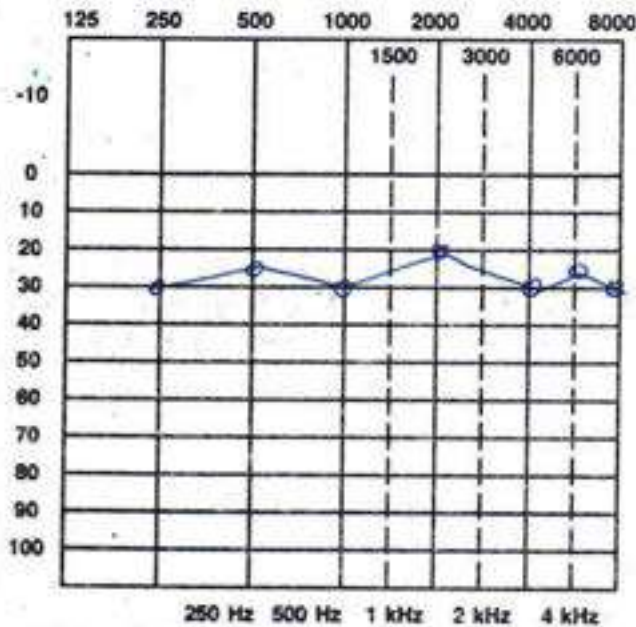
Audiogram of Krunal Rajurati

Age _____ Yrs. Sex _____ Ref. by _____

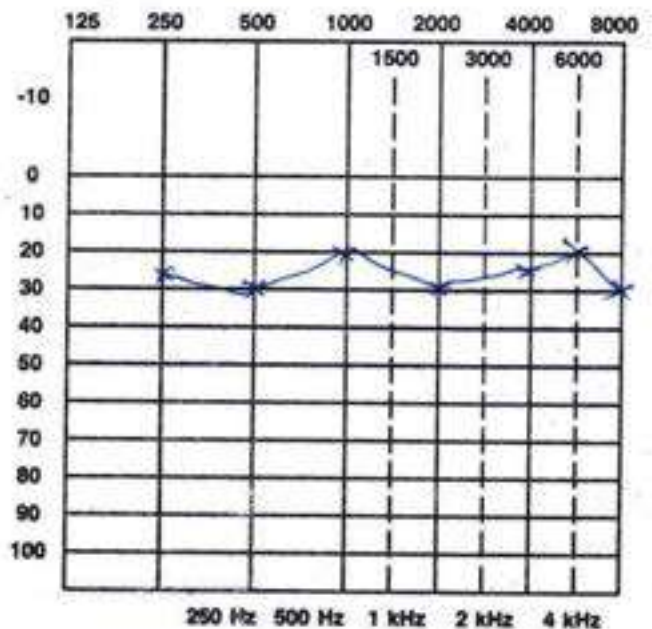
Occupation _____

Address _____

RIGHT



LEFT



WEBER
Lateralized to

--	--	--	--	--

	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△		0 ↓
L	X	>	□		X ↓

Clinical Findings _____

Comments

B/L Normal

Dr. Gaurang Joshi
D.L.O.M.S. (ENT)
Panch Batti
Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH-392001
Ph: (H) 02642-269880

DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



Medicaid

Medicaid Systems 389, Phase-II, Industrial Area

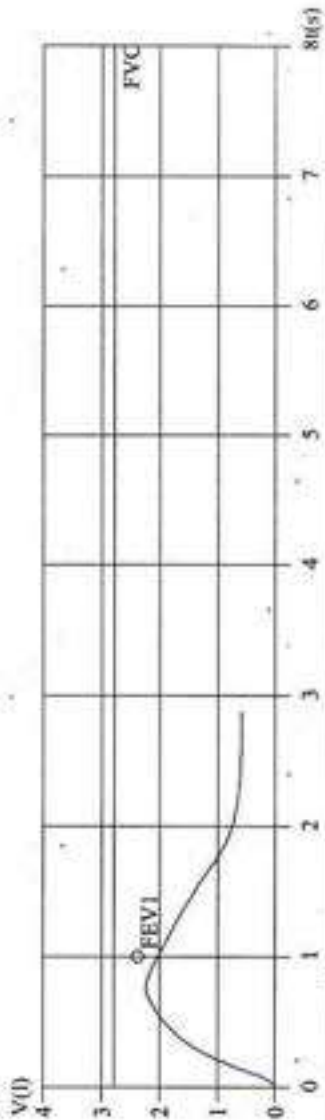
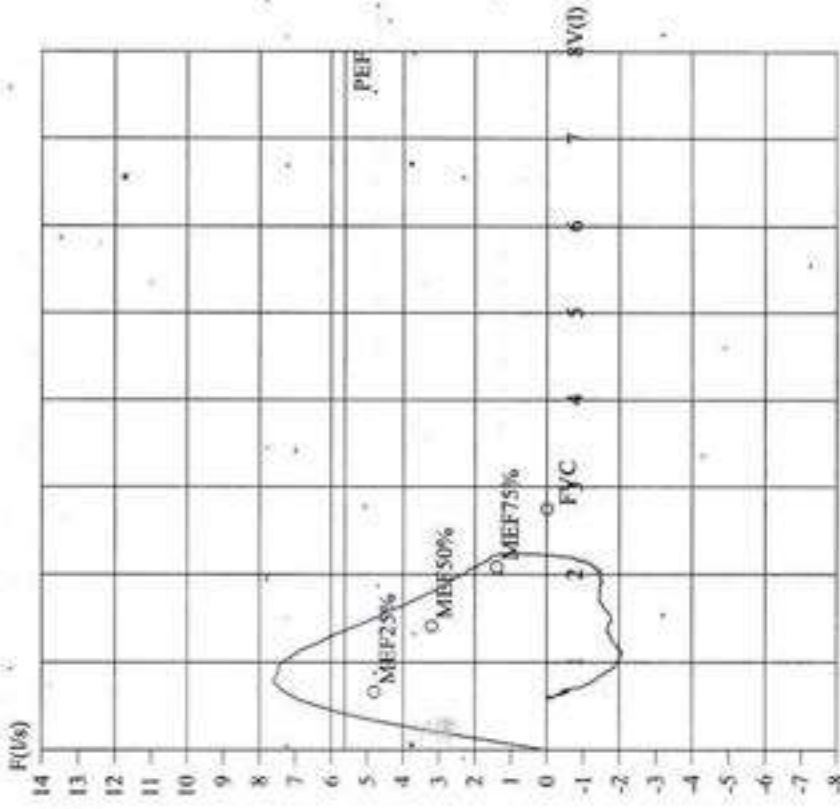
Last Name: **KRUNAL PRAJAPATI**
First Name: **193**
ID: **25-05-2023**
Date: **ERS 93**

Date of Birth: **10-05-1999**
Sex: **Male**
Ethnic Corr.: **60%**
Description:
Comments:

Age: **24**
Weight (Kg): **47**
Height (cm): **167**
BSA (m2): **1.51**
Smoke: **ex**

TEST #1 - 25-05-2023

Forced Vital Capacity



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	2.79	2.37	84.9
FEV0.5(L)	—	2.03	—
FEV1(L)	2.4	2.14	89.2
FEV1/FVC%	82.89	90.3	108.9
PEF(L/s)	5.62	7.62	135.6
PIF(L/s)	—	2.05	—
PEF25-75%(L/s)	2.94	5.98	203.4
Vmax25%(L/s)	4.77	6.92	145.1
Vmax50%(L/s)	3.14	6.79	216.2
Vmax75%(L/s)	1.44	3.8	263.9
FET100%(s)	—	0.76	—
ELA (Years)	74	82	

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC>80%Pred%FEV1/FVC and FVC>80%PredFVC)

DR. DEVIKUMAR VARMA
M.D. (PACR), MBBS, CCRP
Mr. OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075



NAME : KRUNAL PRAJAPATI
DATE : 25/05/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

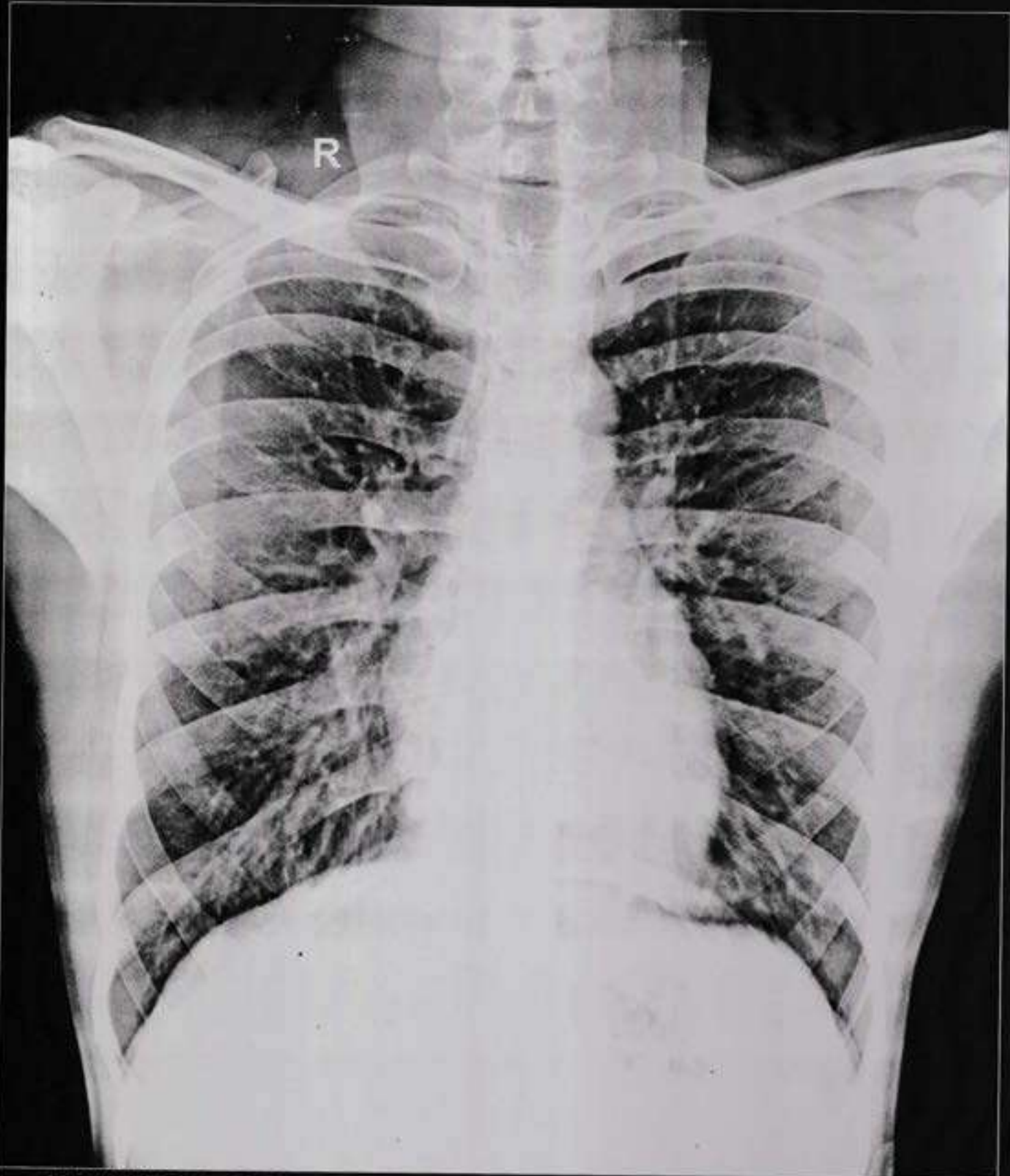
Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

K. B. Vasava

DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST



KRUNAL PRAJAPATI 250503 M CHEST PA 25-May-23 12:15 PM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



S R Healthcare Services

+91 704 371 6666

srhealthcarebh@gmail.com

Medical Certificate of Fitness


Date : 25/07/2023

We hereby certify that we have carefully examined Mr. Ronakkumar Patel Age 26Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.

Pre-employment Medical health Check-up

Sign of Consultant:

Stamp of Consultant:


DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: PATEL RONAKKUMAR M.Age: 26Sex: MALEPresent Medical Illness: NILPast Medical History: NILDietary Habits: VEGETARIANAddiction History: NILFamily Medical History: NILOccupational History: NILHeight: 174 cmsWeight: 68.3 KgsBMI: 22.6 Kg/m²BP: 110/80 mmHgPR: 71 /minT: - FSpO₂: 99 %General Examination: ROMBERG'S TEST NEGATIVECNS: WELL ORIENTED & CONSCIOUSCVS: S1 & S2 HEARD
NORMALRS: BIL AIR ENTRY
NORMALPA: NORMALTrismus Test: -

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N16</u>	<u>N16</u>
Far Vision	<u>616</u>	<u>616</u>
Colour Vision	<u>INAP</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms Ronakkumar and have found his/her reports to be authentic.Date: 25/07/2023

Signature of Medical Officer

Place: BHARUCH

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	PATEL RONARKUMAR M.
Age / Sex :	26 / MALE

Present Medical Illness :	NIL
Past Medical History :	NIL
Dietary Habits :	VEG
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	174 m	Weight :	68.3 Kgs	BMI :	22.6 Kg/m ²
----------	-------	----------	----------	-------	------------------------

Temperature :	—	F	Pulse Rate :	71	/min
Blood Pressure :	110/80	mm Hg	SpO ₂ :	99	%

Trismus Test	—
--------------	---

General Examination	Normal
Central Nervous System	Normal
Ear/Nose/Throat	Normal
Cardiovascular System	Normal
Respiratory System	Normal
Gastrointestinal System	Normal
Integumentary System	Normal
Musculoskeletal System	Normal

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour vision	MAD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	3400	Bld group	B ⁺ ve	RBS	95.6	LFT	14/23
RFT	0.9	G6PD	12.6	HBsAg	Non Reactive	UrR&M	Normal
PFT	Normal	PTA		ECG	WNL	CXR	Normal

I have personally examined Mr/Ms. Ronakkumar Patel and have verified his/her reports to be authentic.

Remarks (If any) :

Name of Physician	DR. DEVKUMAR VARMA
Stamp	M.D. (PATH), MBBS, CHH OCCUPATIONAL HEALTH CONSULTANT REG. NO.: G-11075
Date	25/03/2023
Place	BHARUCH



आरती इंडस्ट्रीज लिमिटेड

मेडिकल हिस्ट्री की स्व घोषणा

नाम:	<u>Pictel Romak Kumar M</u>	उम्र और लिंग:	<u>26, male</u>	
राज्य का नाम:		पंखण:		
किरीटन:		एम्प्लोयी कोड / गेट पास नं.:		
क्या आपको निम्नलिखित स्वास्थ्य समस्या है ?		हाँ	नहीं	टिप्पणी
यदि हाँ, तो विस्तार में बताये				
1	बलु डेकार की बीमारी (उल्ट्रापाय)		<input checked="" type="checkbox"/>	
2	अपवैटिक - बुनर की बीमारी (अपुपसेट)		<input checked="" type="checkbox"/>	
3	हृदय में जुड़ी हुई समस्या - छाती में दर्द, हाई एटेक/अनसुलन हृदय की बीमारी विगेरे		<input checked="" type="checkbox"/>	
4	सहज संबंधी समस्याएं - अस्थमा / सास की तकलीफ / अनांद समय से छाती विगेरे		<input checked="" type="checkbox"/>	
5	विमान संबंधित समस्या (शिर्नी - डीप अनाद, अकवा होना, पेलिको विगेरे)		<input checked="" type="checkbox"/>	
6	शिर / शिरावाय में संबंधित समस्या जैसे पेलिसा / हेपेटाइटिस / पिल की पथी विगेरे		<input checked="" type="checkbox"/>	
7	पादान तंत्र संबंधित समस्या - पैर में छाने / उमरी या संडाल में खुन अनाद / विगेरे		<input checked="" type="checkbox"/>	
8	किडनी संबंधी समस्या - पुरिन में अनाद / पथी का दर्द / पुरिन में खुन अनाद विगेरे		<input checked="" type="checkbox"/>	
9	रगत संबंधी समस्याएं - हीमोग्लोबिन की कमी / ट्राक कलिस की कमी / शिकल होन एनीमिया / पीलेलोमिया विगेरे		<input checked="" type="checkbox"/>	
10	सायरहाड (डैंग/गोडटर) जैसी कोई अंत-खरी समस्या		<input checked="" type="checkbox"/>	
11	बनर दर्द / अंग विकृति / रीठ की हड्डी / शिकल की समस्या / जोडो की समस्या विगेरे		<input checked="" type="checkbox"/>	
12	अधिक संबंधित समस्या - बनर की कमजोरी / रंग पहचानने में तकलीफ होना / अलिया डिग्न विगेरे		<input checked="" type="checkbox"/>	
13	क्या आप कॉन्टैक्ट लेस पहनते हो ?		<input checked="" type="checkbox"/>	
14	बनर के संबंधित समस्या - बनर में फाकपरा होना / सही से सुनने में टैन / विगेरे		<input checked="" type="checkbox"/>	
15	त्वचा संबंधित समस्या - आन फकले होना / सोरियासिस / घाव - विकृति के निशान विगेरे		<input checked="" type="checkbox"/>	
16	क्या आप किसी संबंधित रोग से पीड़ित हो ? - शय रोग / एच आई वी / हेपेटाइटिस बी / टुपड रोग विगेरे		<input checked="" type="checkbox"/>	
17	सामयिक बीमारी		<input checked="" type="checkbox"/>	
18	किसी टाई / खाना / या अन्य कोई चीज की अलेजी		<input checked="" type="checkbox"/>	
19	एचकार अनाद		<input checked="" type="checkbox"/>	
20	ऊँचाई से डर अनाद / ओपे से डर अनाद विगेरे		<input checked="" type="checkbox"/>	
21	पैर में खुन / हलिया / हेंडोसिल / पैर में घानी अनाद विगेरे		<input checked="" type="checkbox"/>	
22	क्या आप कभी अकपाल में अली हुए हो ?		<input checked="" type="checkbox"/>	
23	कभी कोई अपरेसन / सर्जी हुआ है ?		<input checked="" type="checkbox"/>	
24	किसी भी नशीली दवा / शराब / तंबाकू का सेवन / पूरण		<input checked="" type="checkbox"/>	
25	क्या आपने समझे समय तक कोई दवाइया खाई है ? या डॉक्टर से कोई दवा ले रहा है ?		<input checked="" type="checkbox"/>	
26	क्या आपने कभी कोई व्यवसाय संबंधित घोट / बीमारी हुई है ?		<input checked="" type="checkbox"/>	
27	क्या कभी जीन / हीठ या मधुमती में मोलपन हुआ है ?		<input checked="" type="checkbox"/>	
28	क्या आपके परिवार में किसी को एकापाय/बुनर की बीमारी / हाई अटेक / सामयिक बीमारी / दमा / कैसर है ?		<input checked="" type="checkbox"/>	
29	नहिनाओ के लिए	आपकी स्थिति की तरीक		
		सही रोग संबंधी समस्या		
30	हाल में कोई समस्या / टैमारी है ?		<input checked="" type="checkbox"/>	
अतिरिक्त टिप्पणी				

मे घोषित करता हूँ कि मेरे द्वारा दिया गया उपरोक्त विवरण मेरी जानकारी और विश्वास के अनुसार सही और पूर्ण है।
 केवल मेरी अटीन बनाम के लिये। मैं इस बात की घोषणा करता हूँ कि मैं कभी भी मेरे उल्लेख में एकापतिक प्रक्रिया होने में काम नहीं करूंगा।

दिनांक: 25/07/2023
 स्वात: Bhurch

अधिकार के हरसकत या बाएंजुडे का निशान



Aarti Industries Limited

Self Declaration of Medical History

Name:	<u>Patel Ranakkumar M.</u>	Age/Sex:	<u>26, male</u>
Agency Name:		Function:	
Division Name:		Emp. code/ Gate pass No:	

Do you have any of the following health problems?		Yes	No	Remark
If Yes, specify in remark column				
1	High / low blood pressure		<input checked="" type="checkbox"/>	
2	Diabetes Mellitus (Blood Sugar Problem)		<input checked="" type="checkbox"/>	
3	Heart related problems - Chest pain, Heart Attack, Congenital conditions, valvular heart disease etc.		<input checked="" type="checkbox"/>	
4	Respiratory related problems - Asthma/Shortness of breath/Chronic cough etc.		<input checked="" type="checkbox"/>	
5	Nervous system related problems - Convulsion/Fits/Paralysis/Polio etc.		<input checked="" type="checkbox"/>	
6	Liver/Gall bladder related problems like jaundice /Hepatitis/Gall stones etc.		<input checked="" type="checkbox"/>	
7	Digestive system related problems - Peptic ulcer/bloody vomiting or stool/irregular bowel habits etc.		<input checked="" type="checkbox"/>	
8	Kidney related problems - Renal stones/Blood in urine etc		<input checked="" type="checkbox"/>	
9	Blood related problems - Anaemia/Low platelet count/Sickle cell anemia/Thalassemia etc.		<input checked="" type="checkbox"/>	
10	Any endocrine related disorder like thyroid conditions etc		<input checked="" type="checkbox"/>	
11	Musculoskeletal disorders - Backache/Limb deformity/disc problem/joints problem etc.		<input checked="" type="checkbox"/>	
12	Eye related problems - Refractive errors/colour blindness/squint/cataract etc.		<input checked="" type="checkbox"/>	
13	Do you wear any contact lenses?		<input checked="" type="checkbox"/>	
14	Ear related problems - Ear discharge/hearing loss/tinnitus etc.		<input checked="" type="checkbox"/>	
15	Skin related problems - Rashes/psoriasis/scars etc.		<input checked="" type="checkbox"/>	
16	Are you suffering from any communicable diseases? - Tuberculosis/HIV/Hepatitis B /Leprosy etc.		<input checked="" type="checkbox"/>	
17	Mental Health related problem		<input checked="" type="checkbox"/>	
18	Any Allergy - Drug/Food/Other		<input checked="" type="checkbox"/>	
19	Vertigo / Giddiness		<input checked="" type="checkbox"/>	
20	Phobia (Fear of height or closed places/darkness)		<input checked="" type="checkbox"/>	
21	Ankle swelling/Hernia / Hydrocele/Abdominal swelling etc		<input checked="" type="checkbox"/>	
22	Any history of hospitalisation in past?		<input checked="" type="checkbox"/>	
23	Any history of past surgeries?		<input checked="" type="checkbox"/>	
24	Consumption/Habit - Drug/Alcohol/Tobacco/Smoking?		<input checked="" type="checkbox"/>	
25	Any history of long term medications? OR currently taking any medication?		<input checked="" type="checkbox"/>	
26	Any history of occupational injuries/illness in past?		<input checked="" type="checkbox"/>	
27	Any past history of cyanosis? (Bluish discoloration of tongue/lips/nails)		<input checked="" type="checkbox"/>	
28	Family History of Diabetes/Hypertension/Heart Attack/Mental disorder/ Asthma/cancer		<input checked="" type="checkbox"/>	
29	For Female Last Menstrual Period _____ Any gynaecological disorder?		<input checked="" type="checkbox"/>	
30	Any present complaints?		<input checked="" type="checkbox"/>	
Additional Remark				

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.
For non-routine work only: I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 25/07/2023
Place: Bhwaich


Sign/Left thumb Impression of candidate

FORM NO. 33
(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

- | | | | |
|----|--|---|-----------------------------|
| 1. | Serial number in the register of adult workers | : | |
| 2. | Name of the person examined | : | Ronakkumar Patel |
| 3. | Father's Name | : | Mahendrabhai Patel |
| 4. | Sex | : | Male |
| 5. | Residence | : | Vadodara |
| 6. | Date of birth, if available | : | 09/11/1996 |
| 7. | Name & address of the factory | : | Aarti industries Ltd, Dahej |
| 8. | The worker is employed/proposed | : | |
| | (a) Hazardous process | : | |
| | (b) Dangerous operation | : | |

I certify that I have personally examined the above-named person whose identification marks are Mole on Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 27 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.



Signature or left-hand thumb
Impression of the person examined:

Signature of the Factory Medical Officer

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Stamp of factory
Medical Officer with

Name of the Factory:

ID: 35

RONAK PATEL
Male 26Years

25-07-2023 11:14:46

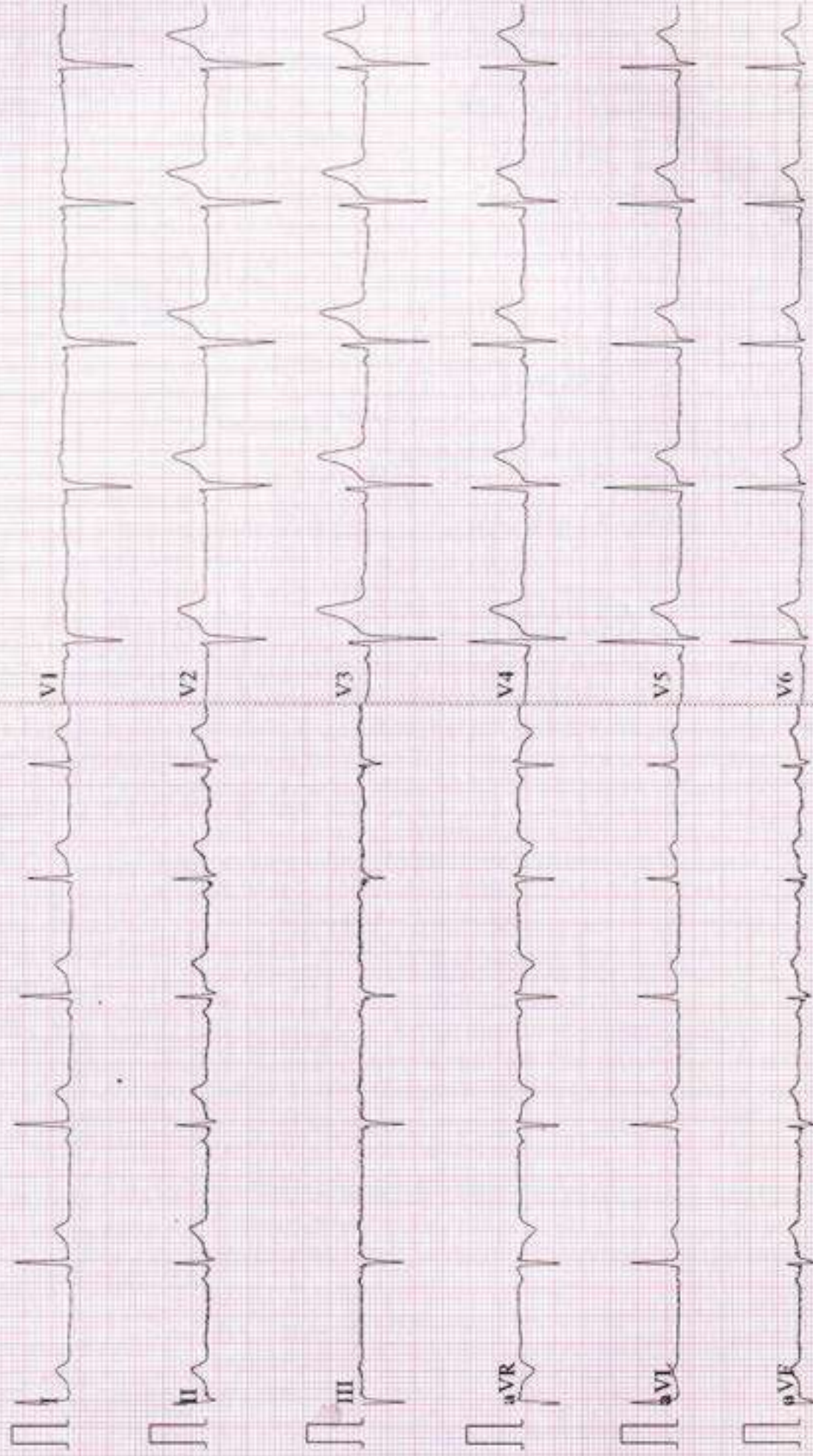
HR : 61 bpm
P : 93 ms
PR : 132 ms
QRS : 84 ms
QT/QTc : 359/364 ms
PQRST : 61/-12/41 °
RV5/SV1 : 1.259/1.139 mV

Diagnosis Information:

Sinus Arrhythmia
Abnormal Q Waves(III)

WNL

Report Confirmed by:



MATESHREE ENT. HOSPITAL

AUDIOGRAM

DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____ Date : 25/07/2023

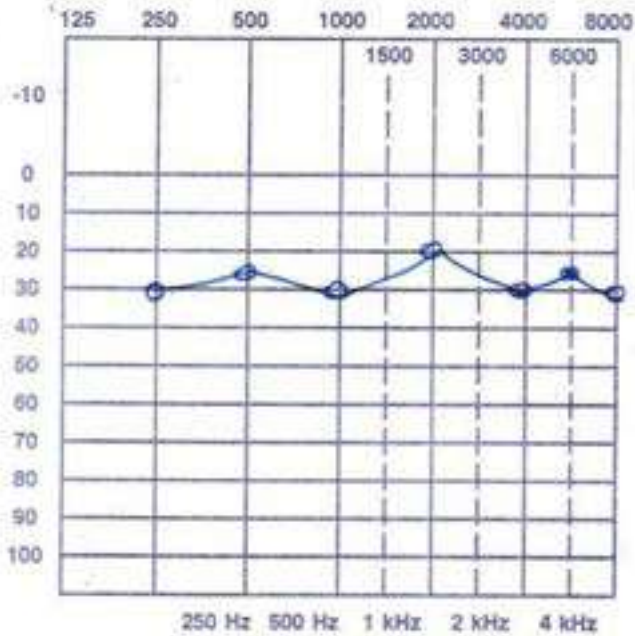
Audiogram of Ronak Kumar

Age 26 Yrs. Sex Male Ref. by _____

Occupation _____

Address _____

RIGHT



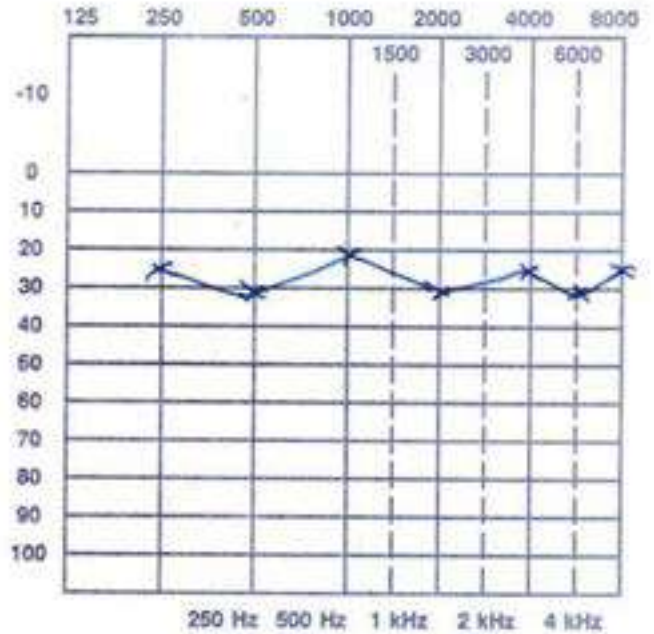
250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

WEBER
Lateralized to

--	--	--	--	--

	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△		0
L	X	>	□		X

LEFT



250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

Clinical Findings _____

Comments B/L Normal

Dr. Gaurang Joshi
D.L.O.M.S. (ENT)
CIH
Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH
DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



Medicaid Systems
389, Phase-II, Industrial Area

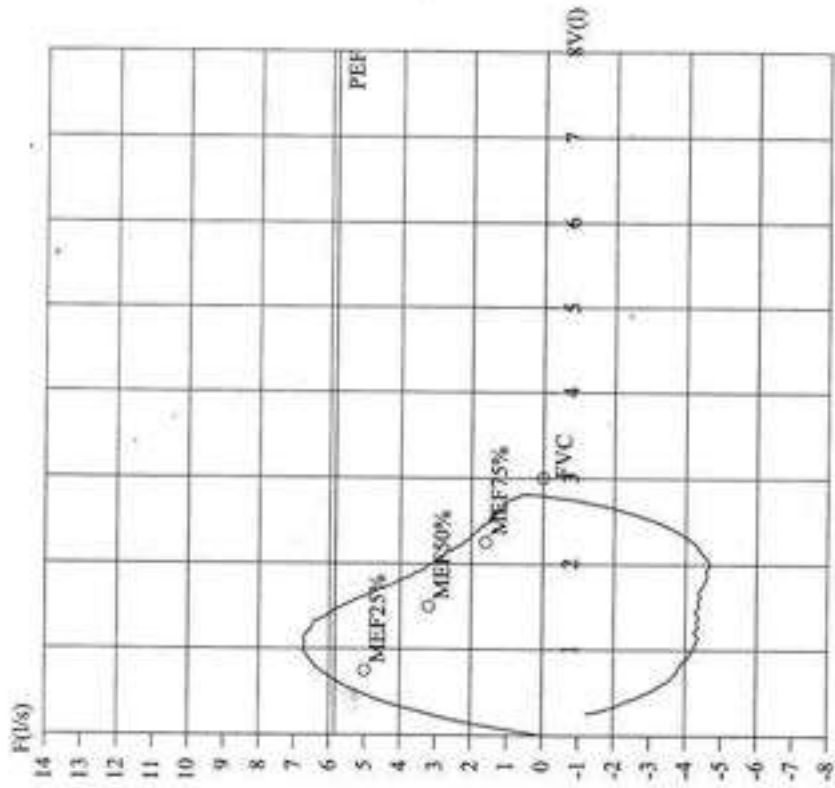
Last Name: **RONAKKUMAR PATEL**
 ID: **367**
 Date: **25-07-2023**
 Predicted: **ERS 93**

Date of Birth: **10-07-1997**
 Sex: **Male**
 Ethnic Corr.: **60%**
 Description:
 Comments:

Age: **26**
 Weight (Kg): **68**
 Height (cm): **174**
 BSA (m²): **1.82**
 Smoke: **no**

TEST #1 - 23-07-2023

Forced Vital Capacity



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	3	2.98	99.3
FEV0.5(L)	---	2.01	---
FEV1(L)	2.54	2.79	109.8
FEV1/FVC%	82.53	93.62	113.4
PEF(L/s)	5.83	6.72	115.3
PIF(L/s)	---	4.68	---
FEF25-75%(L/s)	2.97	4.85	163.3
Vmax25%(L/s)	4.97	6.38	128.4
Vmax50%(L/s)	3.26	5.84	179.1
Vmax75%(L/s)	1.52	2.75	180.9
FET100%(s)	---	1.26	---
ELA (Years)	78	78	

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC>80%Pred%FEV1/FVC and FVC>80%PredFVC)

DR. DEVKUMAR VARMA
 M.D. (PATEL, MBBS, CCH)
 OCCUPATIONAL HEALTH CONSULTANT
 REG. NO.: 6-11075

Mr



NAME : RONAkkUMAR PATEL
DATE : 25/07/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal,

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

K.B. Vasava


**DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST**



R

RONAKKUMAR PATEL 250704 M CHEST PA 25-Jul-23 11:28 AM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



TEST REPORT			
 2301011967			
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobin	15.2	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	4.6	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	42.3	%	40 - 50	Cumulative Pulse Height
MCV	93.3	fL	83 - 101	Derived From RBC Histogram
MCH	32.3	pg	27 - 32	Calculated
MCHC	31.5	%	31.5 - 34.5	Calculated
RDW	12.3	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	7400	/c.mm	4000 - 10000	Electrical Impedance
Differential Count [%]		Unit	Biological Ref. Interval [Abs.]	Unit Biological Ref. Interval
<i>(Flowcytometry /MICROSCOPY)</i>				
Polymorphs	60	%	40 - 80	4440 /c.mm 2000 - 7000
Lymphocytes	37	%	20 - 40	2738 /c.mm 1000 - 3000
Monocytes	02	%	2 - 10	148 /c.mm 200 - 1000
Eosinophils	01	%	1 - 6	74 /c.mm 00 - 500
Basophils	00	%	0 - 2	0 /c.mm 00 - 100
Neutrophil to Lymphocyte Ratio (NLR)	1.6	%	0.78 - 3.53	Calculated
Platelet Count	231600	/c.mm	150000 - 450000	Electrical Impedance
ESR	02	mm		Modified westergren method
REFERENCES	(1) Practical Hematology by Dacie & Lewis (12th Edition). (2) Nathan/Oski, Hematology of Infancy and Childhood (7th Edition,2009).			

----- End Of Report -----



* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489



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2301011967

TEST REPORT

Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.2	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.6	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.3	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.3	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	14.5	U/L	0 - 40	IFCC
S.G.O.T. (AST)	23.6	U/L	0 - 40	IFCC
Alkaline Phosphatase	74.5	U/L	35 - 105	AMP
Random Plasma Glucose	95.6	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----

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Account	: LAB	Mobile No.	:

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	0.9	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	23.6	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	11	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	12.2	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

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Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quantitative	12.6	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

----- End Of Report -----


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Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval
HBsAg Qualitative	Non- Reactive		Non -Reactive

Please Note: This is Rapid screening test please confirm it with Elisa test (confirmatory test).

----- End Of Report -----

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Account	: LAB	Mobile No.	:

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)

Method : (Microscopic Examination)

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected
:	

----- End Of Report -----

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Account	: LAB	Mobile No.	:

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Investigation	Result	Method
ABO TYPE	"B"	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).

----- End Of Report -----

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Account	: LAB	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.))

Investigation	Result	Biological Ref. Interval	Method
---------------	--------	--------------------------	--------

PHYSICAL EXAMINATION

Colour Pale Yellow Pale Yellow

Transparency Clear Clear

CHEMICAL EXAMINATION

(Automated Strip test)

Specific Gravity 1.020 1.005 - 1.025

Reaction (pH) 6.5 4.5 - 8.0

Sugar Absent Absent

Acetone Absent Negative

Proteins Absent Absent

Bilirubin Absent Negative

Urobilinogen Absent Negative

Leukocyte Esterase Absent Negative

Nitrite Absent Negative

Blood Absent Negative

MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref.Interval	Method (Microscopy)
-------------------------	--------	------	-------------------------	-----------------------

Pus Cells 1-2 /HPF Absent

Red Cells NIL /HPF Absent


Epithelial Cells 2-3 /HPF Absent

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...Ahir, sub-divisional magistrate ... people to suffer any losses."

PUBLIC NOTICE ENVIRONMENTAL CLEARANCE
M/s. Aarti Industries Limited (Unit-II)
 Plot No. Z/103/C Dahej SEZ-II, Dahej,
 Dist: Bharuch, Gujarat. 392136
 It is hereby informed that the State level Environment Impact Assessment Authority, Gandhinagar, Gujarat has accorded the Environment Clearance for setting up of the proposed manufacturing of Synthetic Organic Chemicals by M/s. Aarti Industries Limited (Unit-II) at Plot No. Z/103/C, Dahej SEZ-II, Dahej, Bharuch Gujarat- vice File no: SEIAA/GU/EC/5(f)/391/2018 dated 31st March, 2018. A copy of the clearance letter is placed at office of Gujarat Pollution Control Board (Bharuch & Gandhinagar) and may also be seen at website of State level Environment Impact Assessment Authority, Gandhinagar, Gujarat at <http://seiaa.gujarat.gov.in/>
 Date: 21-04-2018
sd/- Director

WOMEN UNDER ATTACK
 ...gation in the rape and murder of the 11-year-old girl, whose body was recovered from Pardosara area on April 6, has revealed how the prime accused Har-sayal Gurjar crossed all limits of brutality before allegedly killing her.
 Police found that her private parts were badly ruptured due to insertion of a wooden object like a rolling pin. Gurjar confessed to police that he inserted the wooden object in private parts and also thrashed her with the stick that left 86 injury marks on her body. Police are also investigating the role of other family members of Gurjar since his wife



The accused Har-sayal Gurjar was produced at a local court in Surat on Sunday and remanded to police custody till May 3

was present in the same home where the girl was murdered. Police are also checking if the wife had also thrashed the girl.
 Gurjar was arrested by the city's detection of crime branch (DCB) on Saturday and produced in a local court on Sunday. He was remanded to police custody till May 3. Police requested custody of the accused to investigate that how he murdered the girl and her mother. "We are trying to confirm if the girl was raped but it is clear that some foreign object was inserted in her private parts. We have taken the custody of Gurjar from Ahmedabad crime branch." Satisch Sharma, city police commissioner, told TOI. "Even if rape is not proved in the medical report, the case will be considered as rape as per the law as the victim was minor," he said.
 "Gurjar is not confessing

...car while bringing her to city from Kamrej in Surat district. He told police that he killed the girl since she had informed neighbours about her mother's murder.
 "Since March 20, when the girl's mother was murdered by Gurjar and Hari Om, the minor was confined in the former's elder brother's room. She was subjected to extreme sexual torture and beaten several times a day so that she doesn't open her mouth," a senior Ahmedabad crime branch official told TOI. According to Ahmedabad crime branch sources, Gurjar's accomplice in crime, Hari Om is absconding and a manhunt has been launched to nab him.
 (With inputs from Sarfaraz Sheikh)

...facilities more efficient.
 Some guidelines were given to the SMC by the state government on Saturday at the district collector's office. The SMC authorities were asked to thoroughly clean up the creeks and the river to enhance their flowing capacity and also the city ponds. The civic body has been asked to curtail daily water supply to the citizens. At present, SMC supplies nearly 1.875 million litre per day (MLD) of water to its 50 lakh population in the city. There is a possibility of the civic body cutting the water supply by 30% in the
 The corporation also plans to clean up lakes and inlets and all those facilities used for rain harvesting besides making preparations for recharging of wells during the monsoon season. The civic body will soon take up dredging work in the river.
 An SMC officer said water is a precious commodity and that the corporation will keep a strict vigil on people and commercial establishments who waste water. "Those wasting water will not be spared. We will sever their water connections," the officer said.

Music system, laptop stolen from cars
 Surat: Two unidentified persons were booked at Umra police station on Saturday for stealing valuables from different cars. An unidentified person stole a music system worth Rs 7,000 from the car of Niranjan Dalal (73), when it was parked near his house in Parle Point. An unidentified person stole a laptop worth Rs 30,000 from the car of Selvam Chettyar (58), a resident of Venus, when it was parked near a restaurant in Parle Point.

ITER-India, Institute for Plasma Research
 PUBLIC TENDER NOTICE No.: HTN18001 dated 23rd April 2018
 Sealed tenders are invited in TWO PART from reputed and eligible parties for the following:

Item Description	Qty	Due Date & Time* for Submission of Tender	Opening of PART-A	Tender Fee	EMO
Fabrication and Supply of Signal Conditioning Units on Built-to-Print (BTP) Design basis	01 Set	27-05-2018 by 1.00 p.m. (IST)	27-05-2018 at 2.30 p.m. (IST)	₹ 500.00	₹ 40,000.00

 *as per the details specified in the tender documents
 Qty - Quantity; # refer to tender documents for other important dates
 Tender documents are available on ITER-India website (https://www.iter-india.org/display_tender_grid.php) for download. Bidders meeting the Eligibility Qualification Criteria as specified in the Part-A (I) of tender Documents, may submit their bids along with the prescribed Tender Fee (non-refundable) and EMO, as per the details given in the tender documents, in the form of Demand Draft or NEFT. All further updates or amendments, if any, pertaining to this tender shall be notified and uploaded on the ITER-India website only and no separate corrigendum would be published in this regard. Therefore potential bidders are advised to visit the ITER-India website on a regular basis.

BHARAT DYNAMICS LIMITED
 (A Government of India Enterprise)
 MINISTRY OF DEFENCE
 GACHIBOWLI, HYDRABAD-509 502
 Ref: BDL/CC/OT/01/001/2018-19 Dt: 23-04-2018
e-PROCUREMENT ABRIDGED TENDER NOTICE
 Inviting Indigenous Competitive Bidding

Sl. No.	Tender ID	Description	Estimated amount ₹.
1	50998	Construction of School Building at BDL, Bharat	242.53 Lakhs
2	50952	Annual Civil Maintenance of Buildings, roads & other facilities at BDL, Bharat in following zones: 1. Zone A-plant area 2. Zone B-plant area 3. Zone C-plant area 4. Zone D-plant area	15 Lakhs 15 Lakhs 15 Lakhs 15 Lakhs
3	50984	Extension of sheet for EB VII Building at BDL, Kanchanbagh, Hyderabad	43.27 Lakhs
4	50982	Construction of PEB in BDL, Kanchanbagh, Hyderabad	904.13 Lakhs
5	50996	Construction of Community Hall, Gymnasium, Library and other Civil Works at Malpur Village, Dhule District, Maharashtra under BDL CSR Activities	200 Lakhs

 Please visit website <https://tenders.bharatdynamics.com> for further details. Bids should be submitted online only. "Corrigendum if any shall be issued through our e-portal only and not in newspapers".
Dr. General Manager (Corp. Comm.)

Government Of Gujarat
Narmada Water Resources Department.
Short Term Online Tender Notice No. 1 of 2018-19
Name of Work:- Total 10 (Ten) works as per detail Notice covering under Sheshi Irrigation Division, Nadiad
Estimated cost:- Rs. 109.36 lacs (Total for 10 (Ten) works)
Last date/Time for receipt of tender:- dt. 30/04/18 up to 18.00 hrs.
Name & Address of the:- Executive Engineer, Sheshi Irrigation Division, Govt. Colony, Mission Road, Nadiad. Phone No. 0268-2557140, Fax No. 0268-2556025 Further details can be seen at www.nptocms.com, www.statetenders.com
 Dt: 23/04/18

Online Tender
Tender Notice No.01 (2018-19)
 The Tenders are invited by the Executive Engineer, Panchayat R.S.B. Division, Palanpur Pin Code No. 385001 Phone No.(02742) 257197 for Panchayat Ghar, Taluka Panchayat office and Boarder Village Work from the contractors registered in Sp. Category 3 (Building) as per on line E-Tendering. The details notice of which could be seen & Download on website <http://mncprocure.com> from Dt 27-04-2018 onwards. For Further particulars contact above stated office during office hours. Notice is also available on www.statetenders.com.
 No. 009/19/18-19

GOVERNMENT OF ANDHRA PRADESH
DEPARTMENT OF MINES AND GEOLOGY
 Block 7-10A, 9th & 8th floors, B-Block, 8th Avenue Tower, Bhubaneswar, Krishna District, A.P. 511-004, Ph. 984-3821791, Email: dmgep@ap.gov.in
 Notification No.: 802SP-ARBA/2017-1 Dt: 23.04.2018
NOTICE INVITING TENDER
 Notice for bids for grant of mining lease with respect to six (6) Limestone blocks and one (1) Gold Block in the state of Andhra Pradesh
 Directorate of Mines and Geology GoAP has identified the specified mineral blocks for the purpose of grant of mining leases through electronic auction (e-auction) and hereby invites bids in digital format only from eligible bidders.
Table - Details of Mineral blocks

S. No.	Mineral Block	Mineral	Reserves (Mt tonnes)	Block Dimension Area (hectares)	Specified End Use Reservation
1	Mittagudipadu-Gol - I	Limestone	17.81	57.776	
2	Mittagudipadu-Gol - II	Limestone	60.54	116.509	None
3	Tadurta	Limestone	29.75	312.696	
4	Mittagudipadu-Gol - III	Limestone	67.71	275.182	Greenfield & brownfield consent / similar plants for captive consumption within AP
5	Mittagudipadu-Gol - IV	Limestone	205.25	308.090	
6	Chintalapalle - Abdulapuram - Kooranapalle (CAK)	Limestone	130.84	385.173	
7	Chigapurtu - Beeravathu	Gold	2.25	262.01	None

 For information on tender fees, timelines, notifications, updates and other details, interested bidders are requested to visit the website of MSTC Ltd. (www.mstcecommerce.com). The tender document can be downloaded from the website of MSTC Ltd from 23.04.2018.
Sd/- B. Sreedhar, IAS
 Director of Mines & Geology (A.P.)



Pacific School of Engineering

(Approved by AICTE New Delhi & Affiliated to GTU, Ahmedabad)

Ref. No.: PSE/ENGG/CERT/22/10

Date:04/04/2022

DETAIL OF CLEANER PRODUCTION PRACTICES

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

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

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

A. BACKGROUND OF STUDY:

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

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

B. Manufacturing process of DCA and DCP:

1. 2,5 DI- CHLORO ANILINE

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



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

Stoichiometric reaction:

Di-chloro aniline:

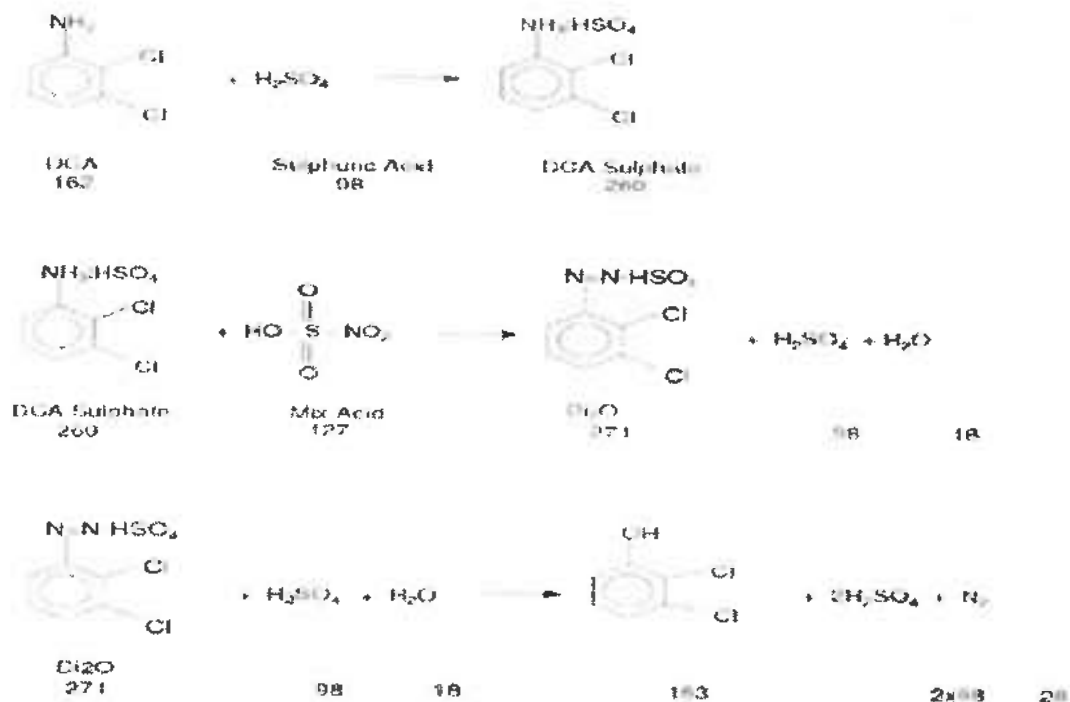
	$C_6H_4NO_2Cl$	+	$3H_2$	\longrightarrow	$C_6H_4NH_2Cl$	+	$2H_2O$
	0.62		0.62		0.62		0.62
Mol. Wt. (kg/kmol)	197		6		167		36.00
Feed (kg/hr)	118		4		100		22.32

2. 2,5 DI-CHLORO PHENOL:

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

Stoichiometric reaction:

Di-chloro phenol:

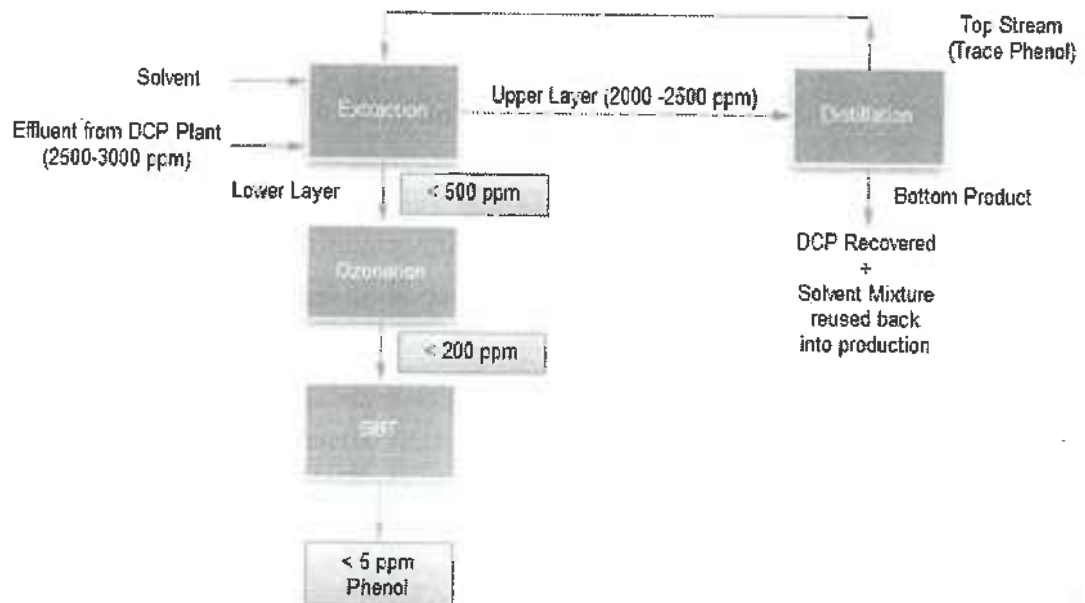


C. KEY HIGHLIGHTS OF CLEANER PRODUCTION PRACTICES:

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

Phenol Recovery through extraction followed by distillation:

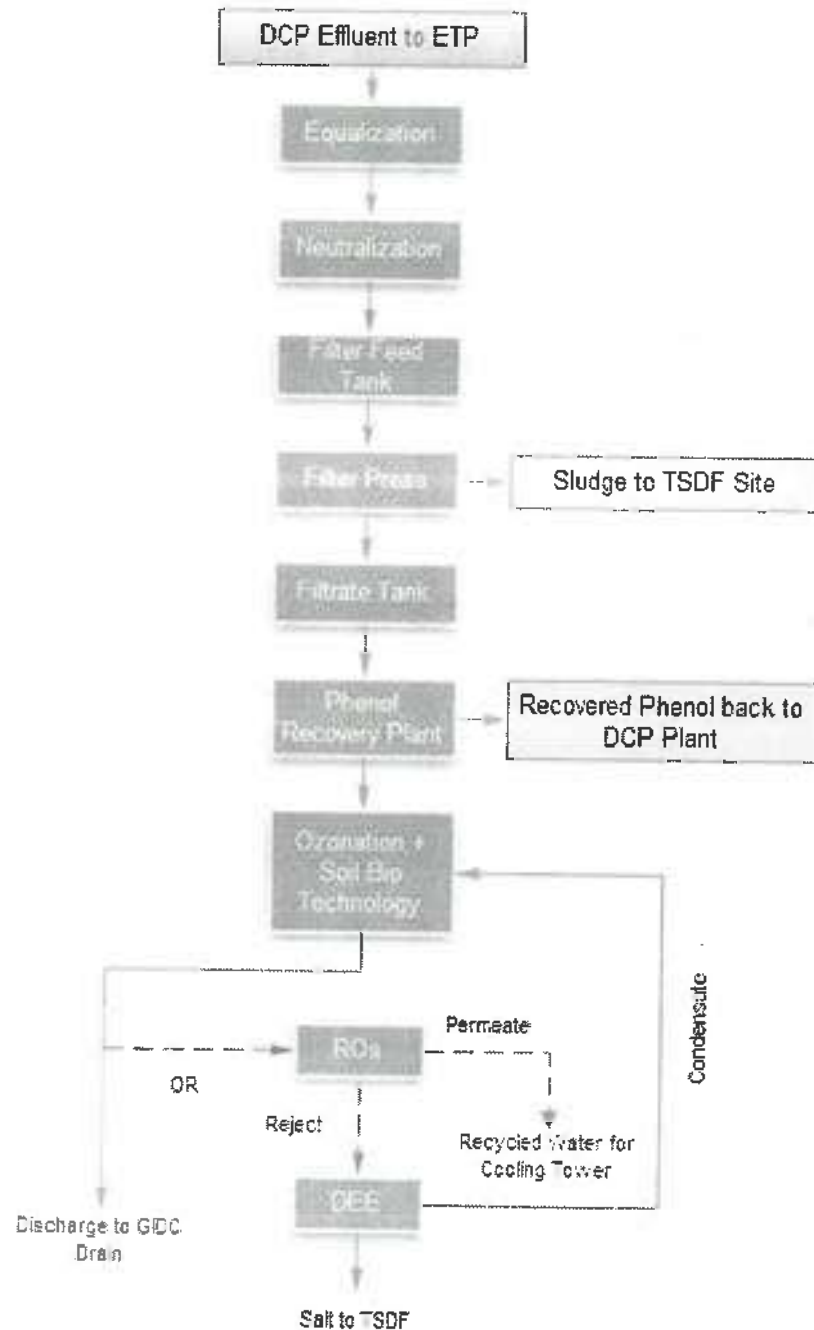
The phenol rich effluent is (2500-3000ppm) generated from the DCP (Di-chlorophenol) plant. The effluent is treated in the extraction column followed by the distillation column. The effluent is initially subjected to a distillation column to recover the phenol and bring down the phenolic content to <500ppm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



Treatment of phenol by ozonation followed by soil-biotechnology:

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

The flowchart of effluent treatment is shown as below:



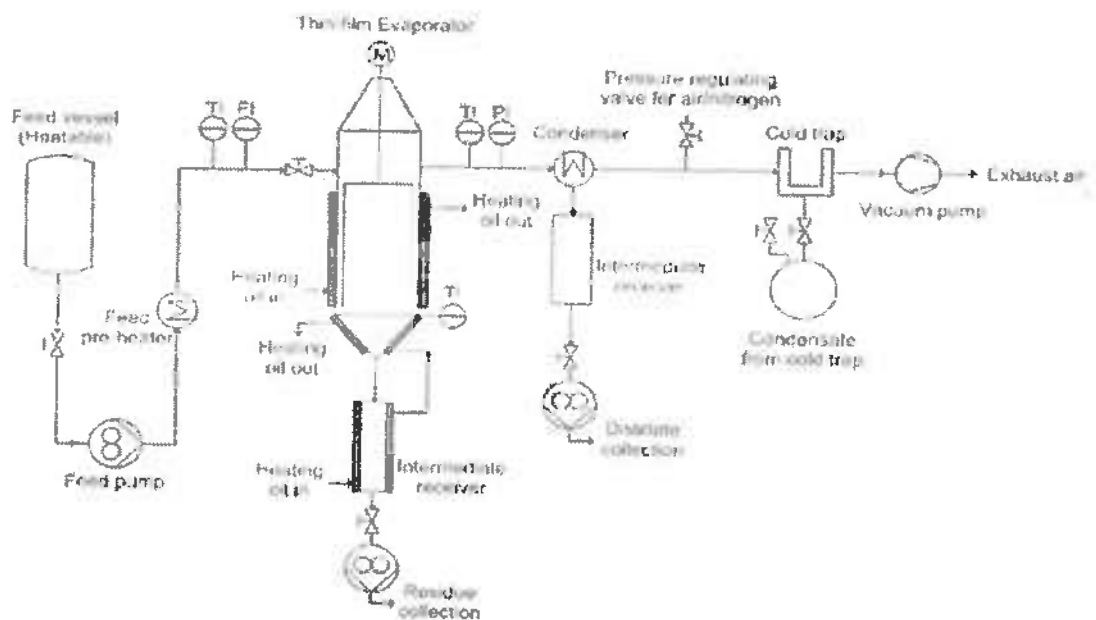
The aim of the Phenol recovery plant is to reduce the phenolic content from the DCP effluent (initial 2500-3000 ppm) by using solvent. Thus, in the vacuum distillation column followed by the atmospheric extraction column in the bottom part, they receive a 40:60 ratio as solvent: phenolic effluent. The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



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

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

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



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

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

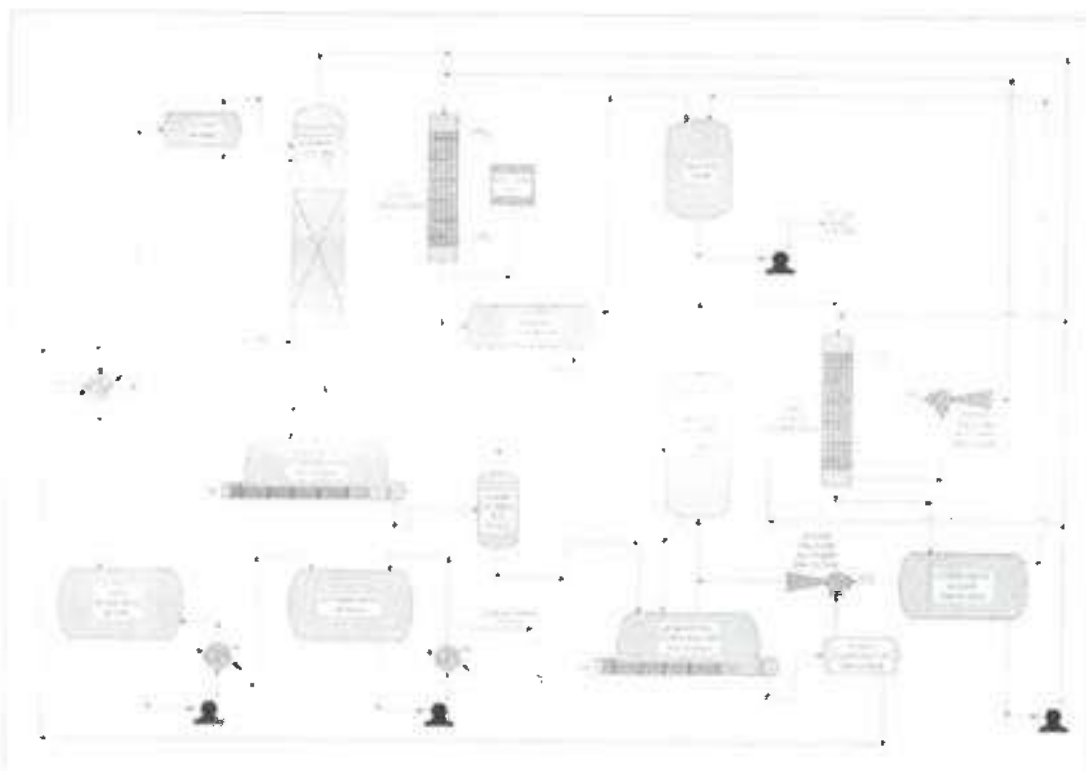


3. Reuse of 70% concentrated H_2SO_4 by increasing the concentration of H_2SO_4 by 90% through series of evaporation

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

The Acid is fed into a flash vessel to stripping column where the mass is evaporated in 1st stage Evaporator. In this process the acid is concentrated by 80% from 70%.

The 10% evaporation loss consists of organic contains which is recycled back in DCP (Di-cholorophenol) plant as well as aqueous contains which is reused back in the steam generation unit.



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

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



the heat is used back in the initial flash vessel 1st phase process using the high temperature H₂SO₄ back in flash vessel 1st stage, the concentrated acid is sent for bleaching by H₂O₂ in bleaching vessel for the acid purity up to 90%.

In the NSA plant at stage-I, 70% concentrated H₂SO₄ is fed in the column where top Column temperature is approx 110°C where H₂O & DCP (1400-1500 ppm) vapor is generated and at the bottom of the column 80%-85% Concentrated H₂SO₄ is collected which is transferred to the Stage-II.

In Stage II 80-85% Concentrated H₂SO₄ is fed in the column where top column temperature is approx 60°C where the H₂O Vapor is generated and at the bottom of the column is 88% - 90% Concentrated H₂SO₄ is collected which was transferred to the Stage-III.

In Stage III 88%-90% Concentrated H₂SO₄ is fed in the column where Moisture Stripper is available to absorb the moisture and the bottom column is 90% - 92% Concentrated H₂SO₄ is collected which is transferred to the tank farm 1

In this process, no emission was their whole process is in the close loop and the 90% - 92% Concentrated H₂SO₄ is further stored in the tank farm 1 whereas the H₂O collected in Stage I & II is also utilized in the plant for the Steam Generation and generated steam is returned to the DCP plant.

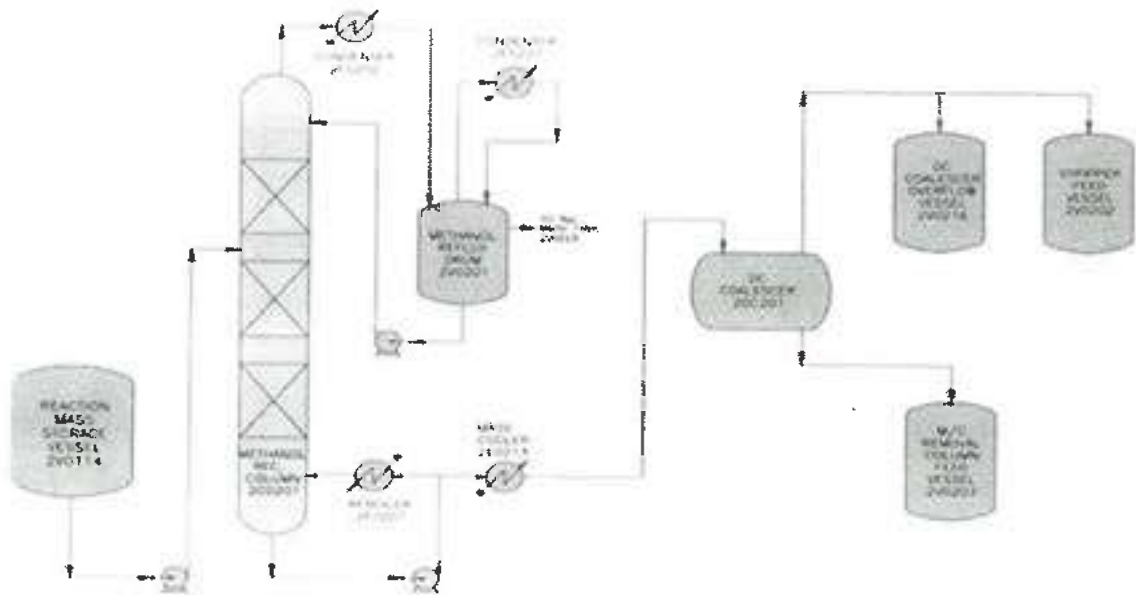
The Overall process is a continuous process in which it divided in two parts such as DCP crude product manufacturing (the fresh acid was consumed in this unit till the recovery process is started in SAC plant) and second is sulphuric acid concentration as a recovery of acid (SAC plant).

Only in the initial phase start-up of the process is required 2.98 Kg/Kg fresh H₂SO₄ is required to manufacture DCP crude (fresh consumption is up to 24 hours for the starting of the initial process). Afterward, the recovering process of Acid is started which is a continuous process, and in the end, the acid product is 90% H₂SO₄ which is a finished product.

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

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





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

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

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

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

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

Phenol + DCP mixture Recovery (expected at full capacity)		
1.	Phenol recovery, kg/Day	6600 Kg/Day
2.	Effluent reduction, kg/Day	6600 Kg/Day
DCA Recovery (expected at full capacity)		
1.	DCA recovery, kg/Day	1968 kg
2.	Residue reduction, kg/Day	1968 kg
Concentration increment in Sulfuric acid (from 70% to 90%) -		
1.	Saving of H ₂ SO ₄ (against fresh consumption)	327 KL/Day
2.	% Saving of fresh H ₂ SO ₄ consumption	100%
2.	Acid reduction (for disposal), kL/Day	327 KL/Day
Methanol Recovery		
1.	Methanol recovery, kL/Day	5.99 KL/Day
2.	Effluent reduction, kL/Day	5.99 KL/Day







E. Conclusion of the study:

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

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

Date: 04/04/2022

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



PRAKASH K. MAJMUDAR
MEMBER SECRETARY
SEIAA (GUJARAT)



ANNEXURE-24
STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT
AUTHORITY
GUJARAT

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

Date: 14 FEB 2023

By R P A D
Time Limit

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

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

Dear Sir,

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

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

Sr. No.	Product Name	CAS No.	Quantity in MT/Annum			End Use of Product
			As per Existing EC	As Per CCA Amendment No. AWH-113931 & AWH-113932	Proposed Change / Additional	
A	Organic Chemicals					
I	Hydrogenation Products & their derivatives (43200 MT/Annum)					
1.	2,5 Di Chloro Aniline (2,5 DCA) And/Or	95-82-9	21780			
2.	2,5 Di Chloro Aniline (Crude) (2,5 DCA) And/Or	95-82-9				
3.	3,4 Di Chloro Aniline (3,4 DCA) And/Or	95-76-1				
4.	3,4 Di Chloro Aniline (Crude) (3,4 DCA) And/Or	95-76-1				
5.	3,5 Di Chloro Aniline (3,5 DCA) And/Or	626-43-7				
6.	3,5 Di Chloro Aniline (Crude) (3,5 DCA) And/Or	626-43-7		21780	21420	43200
7.	Para Chloro Aniline (PCA) Either/Or	106-47-8	0			
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				

Dyes, Dye intermediates, Basic pharma intermediates, Pigments, Polymer

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

Page 1 of 12

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

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

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

A.CONDITIONS :

A.1 SPECIFIC CONDITION :

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

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



A 2 WATER :

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

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

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

A.3A1R:

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

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

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

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



11	DCP Plant: DCA Sulphate Vent	11	Venturi water scrubber	SO2 VOC	40 mg/Nm3 --
Proposed Total After Expansion					
1	Scrubber connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	30 (Common stack)	Alkali scrubber	SO ₂ Acid mist/Sulphur trioxide (For Plant Capacity per 100% Concentration of Sulphuric acid (<300 Tone/Day)	1250 mg/nm ³ (2 kg/MT of 100% conc. acid production) 70 mg/Nm3
2	Scrubber connected to NSA		Alkali scrubber	SO ₂	40 Mg/Nm ³
3	Scrubber connected to DCP	11	Alkali scrubber	NO _x	25 Mg/Nm ³
4	Scrubber connected to tanks	11	Alkali scrubber	VOC	--
5	Scrubber connected to tanks	11	Alkali scrubber	VOC	--
6	Common Alkali scrubber for SO2 Tank farm	11	Alkali scrubber	SO2	40 mg/Nm3
7	DCA Plant vacuum pump storage tank	11	Water Scrubber	VOC	--
8	HNO3 Tank Farm	11	3 Stage Alkali Scrubber	NOx	25 Mg/Nm ³
9	Liq SO3 and 25% Oleum tank	11	Acid Scrubber	SO2	40 mg/Nm3
10	Sulphuric Acid Concentration Plan (SAC)	11	Alkali spray Scrubber	SO2 VOC	40 mg/Nm3 --
11	DCP Plant: DCA Sulphate Vent	11	Ventury water scrubber	SO2 VOC	40 mg/Nm3 --
12	DCP Drum Filling Scrubber	11	Alkali Scrubber	VOC	--

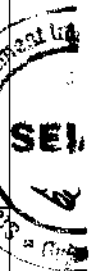
23. PP shall use approved fuels only as fuel in boilers and D.G.Set.
24. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following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

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

A.4 SOLID / HAZARDOUS WASTE:

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

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



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

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

A.5 OTHER:

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

B. GENERAL CONDITIONS:

B.1 CONSTRUCTION PHASE:

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

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

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

B.2 OPERATION PHASE:

B.2.1 WATER:

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

B.2.2 AIR:

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

B.2.3 HAZARDOUS/SOLID WASTE:

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



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

B.2.4 SAFETY:

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

B.2.5 NOISE:

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

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

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

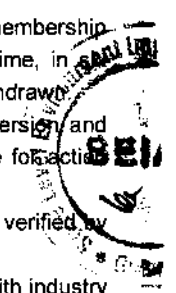
j. Regular preventive maintenance for avoiding leakage, spillage etc.

3.2.7 GREEN BELT AND OTHER PLANTATION:

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

3.3 OTHER CONDITION:

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



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

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

satisfactory.

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

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

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



(PRAKASH K. MAJMUDAR)
Member Secretary

Issued to:

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

Copy to:-

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



Signature Not Verified

Digitally signed by Shri Prakash K. Majmudar

Member Secretary

Office : Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar, Gandhinagar-382010

EC Identification No. - EC23B021G Phone No. :- 079-23251162/23251163/2027 Fax No. :- 079-227784 Date of issue: 02/2023 Page 13 of 13

E-mail : msseiaagj@gmail.com, Website:- www.seiaa.gujarat.gov.in

AIL/DHJ/DIA/2023/ENV/027

ID :- 58381
Date:24.11.2023

To,
The Member Secretary,
Gujarat Pollution Control Board,
Gandhinagar-382010

Subject: Half Yearly Environment Clearance conditions compliance report for the period of April -2023 to September-2023.

Reference:- 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 April 2023 to September 2023) as per condition number **143** as mentioned in environment clearance letter No.SEIAA/GUJ/EC/5(f)/192/2023 dated 14/02/2023 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.

Thanking You

Yours faithfully,
For Aarti Industries Limited


Authorized Signatory



Encl: EC Compliance with Annexures.

COPY TO:

- 1) Copy to be uploaded in the PARIVESH site.
- 2) The Regional Director, Central Pollution Control Board, Vadodara (Through E-Mail)
- 3) Deputy Director General of Forest (Central) Integrated Regional Office - Gandhinagar, MOEF & CC, Gandhinagar (Through E-Mail)

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

Compliance report of Environmental Clearance File No. SEIAA/GUJ/EC/5(f)/192/2023 Dated. 14/02/2023, Apr-23 to Sept-2023

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-113931 & AWH-113932	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					<p>Complied</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th>Production (MT)</th> </tr> <tr> <th>2, 5 Dichloro Aniline</th> </tr> </thead> <tbody> <tr> <td>Apr, 23</td> <td>609.949</td> </tr> <tr> <td>May, 23</td> <td>80.34</td> </tr> <tr> <td>Jun, 23</td> <td>81.347</td> </tr> <tr> <td>Jul, 23</td> <td>383.478</td> </tr> <tr> <td>Aug,23</td> <td>129.354</td> </tr> <tr> <td>Sep,23</td> <td>621.758</td> </tr> </tbody> </table> <p>All products qty is under prescribed limits.</p>	Month	Production (MT)	2, 5 Dichloro Aniline	Apr, 23	609.949	May, 23	80.34	Jun, 23	81.347	Jul, 23	383.478	Aug,23	129.354	Sep,23	621.758
Month	Production (MT)																						
	2, 5 Dichloro Aniline																						
Apr, 23	609.949																						
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Jun, 23	81.347																						
Jul, 23	383.478																						
Aug,23	129.354																						
Sep,23	621.758																						
2	2. 5 Dichloro Aniline (Crude) (2,5 DCA) And/Or	95-82-9																					
3	3,4 Di Chloro Aniline (3,4 DCA) And/Or	95-76-1		21780	21420	43200																	
4	3,4 Dichloro Aniline (Crude) (3,4 DCA) And/Or	95-76-1	0																				
5	3,5 Dichloro Aniline (3,5 DCA)	626-43-7																					
							Dyes, Dye Intermediates , Basic Pharma intermediates , Pigments, Polymer																

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- 7/608-3 1-1					

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		0	43200			
14	3-Chloro Ortho Toludine (3-COT) And/Or	87-60-5						
15	3-Chloro Ortho Toludine (Crude) (3-Cot)	87-60-5						

II Diazotization Products & their derivatives (22380 MT/Annum)

1	2,5 Di Chloro Phenol (2,5 DCP) And/Or	583-78-8	18000				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 intermediat	<p>Complied</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th>Production (MT)</th> </tr> <tr> <th>2, 5 Dichloro Phenol</th> </tr> </thead> <tbody> <tr> <td>Apr, 23</td> <td>380.578</td> </tr> <tr> <td>May, 23</td> <td>5.8</td> </tr> <tr> <td>Jun, 23</td> <td>0</td> </tr> <tr> <td>Jul, 23</td> <td>0</td> </tr> <tr> <td>Aug,23</td> <td>18.6</td> </tr> <tr> <td>Sep,23</td> <td>236.6</td> </tr> </tbody> </table>	Month	Production (MT)	2, 5 Dichloro Phenol	Apr, 23	380.578	May, 23	5.8	Jun, 23	0	Jul, 23	0	Aug,23	18.6	Sep,23	236.6
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2	2,3 Di Chloro Phenol (2,3 DCP) And/Or	576-24-9	0	15600	4380	19980																	

All products are under prescribed limits.

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		es.																								
4	3,5 Dichloro Nitro benzene (3,5 DCNB) and/Or	618-62-2	0	2400	0	2400	Dyes, Dyes intermediates, Basic Pharma, Intermediates, Pigments, Polymers																								
5	Crude 3,5 Dichloro Nitro benzene (3,5 DCNB) and/Or	618-62-2	0	0	2400																										
A	Total of Organic Chemicals (A)		39870	39780	25800	65580																									
Inorganic Chemicals																															
1	Nitrosyl Sulphuric Acid	7782-78-7	17640	70620	13380	84000	Used in organic chemistry to prepare diazonium salts from amines	<p>Complied</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Production (MT)</th> </tr> <tr> <th>NSA</th> <th>H2SO4</th> </tr> </thead> <tbody> <tr> <td>Apr, 23</td> <td>1474.201</td> <td>2365.943</td> </tr> <tr> <td>May, 23</td> <td>449.137</td> <td>117.434</td> </tr> <tr> <td>Jun, 23</td> <td>251.485</td> <td>0</td> </tr> <tr> <td>Jul, 23</td> <td>0</td> <td>0</td> </tr> <tr> <td>Aug,23</td> <td>233</td> <td>176.077</td> </tr> <tr> <td>Sep,23</td> <td>585.64</td> <td>1470.733</td> </tr> </tbody> </table> <p>All products are under prescribed limits.</p>	Month	Production (MT)		NSA	H2SO4	Apr, 23	1474.201	2365.943	May, 23	449.137	117.434	Jun, 23	251.485	0	Jul, 23	0	0	Aug,23	233	176.077	Sep,23	585.64	1470.733
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2	98% Sulphuric Acid	7664-93-9	28200	31320	56592	87912	Used in chemical industry for production of basic synthetic organic chemicals																								
B	Total of Inorganic Chemicals (B)		45840	101940	69972	171912																									
A+B	Total of Organic and inorganic Chemicals		85620	141720	95772	237492		<p>Complied</p> <p>Average production of 2181.95MT/Month in the compliance period (April 2023 to September 2023)</p>																							

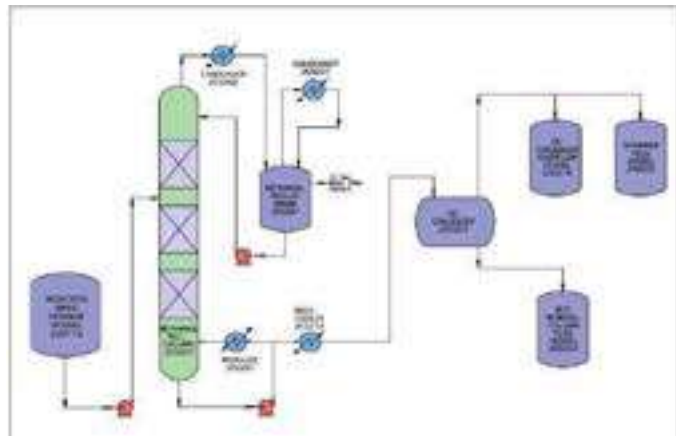
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Sr. No.	Points	Compliance
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A. CONDITIONS:




A.1 SPECIFIC CONDITIONS

1	<p>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 OSVOZ2014 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>	<p>Compiled Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission.</p> 
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2	<p>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>	<p>Complied Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is as follows:</p> 
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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II, Dahej, Dist. Bharuch

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 & DCS System.</p> <p>Hydrogen Detector System, Methanol Detector System, SO2 Detector System & Xylene Detector system.</p> <p>ANNEXURE-1</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&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) .</p> <p>Report of Ambient air quality monitoring is attached in ANNEXURE-II</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&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) .</p> <p>Report of Process Emission are attached ANNEXURE-III</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 & Flow) and the same has been connected to GPCB & 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 & water contamination, all process areas are provided with proper flooring and catchment pit so that spills, if any, gets collected, transferred and properly treated in inhouse treatment systems. PCC flooring is provided for prevention of Soil contamination.</p> <p>Photographs for same are attached below:</p> 

8	<p>Safety & Health:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">A.</td> <td>PP shall obtain Peso Permission for the storage and Handling of hazardous chemicals.</td> </tr> <tr> <td style="text-align: center;">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 style="text-align: center;">C.</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 style="text-align: center;">D.</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 style="text-align: center;">E.</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 style="text-align: center;">F.</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 style="text-align: center;">G.</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 style="text-align: center;">H.</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 style="text-align: center;">I.</td> <td>Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.</td> </tr> <tr> <td style="text-align: center;">J.</td> <td>Unit shall provide effective isolation for process area and storage of hazardous chemicals..</td> </tr> <tr> <td style="text-align: center;">K.</td> <td>Unit shall provide water sprinkler to the ammonia storage cylinder.</td> </tr> </table>	A.	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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II, Dahej, Dist. Bharuch

<p>L. Unit shall never store drum/barrels/carbous of incompatible material/chemical together.</p> <p>M. Unit shall provide effective fire hydrants, water monitors & Foam application system at solvent storage area and unit shall provide adequate safety system such as water sprinklers, water curtains, foam pouring system etc. to restrict cascade fire emergency in solvent storage area.</p> <p>N. Unit shall provide effective isolation for process area and storage of Hazardous chemicals.</p>	<p>J. Complied Unit has a proper isolated tank farm area for the storage of the Hazardous chemical and also the dyke pit constructed to control spillage of any chemicals.</p>
	<p>K. Noted</p>
	<p>L. Complied Unit has a proper isolated tank for the storage of the materials/chemicals</p>
	<p>M. Complied Unit have the Effectively fire hydrants, water monitors & Foam application system at solvent storage</p>
	<p>N. Complied Unit has a proper isolated tank farm area for the storage of the Hazardous chemical and also the dyke pit constructed to control spillage of any chemicals.</p>


A.2 WATER

9	<p>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.</p>	<p>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.</p> <p style="text-align: center;">WATER CONSUMPTION DETAILS</p> <table border="1"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Fresh Water Consumption (1253 KLD)</td> <td>Total KL/Month</td> <td>19471</td> <td>12298</td> <td>6342</td> <td>8625</td> <td>10643</td> <td>15506</td> </tr> <tr> <td>Average KLD</td> <td>649</td> <td>397</td> <td>211.4</td> <td>278</td> <td>343</td> <td>517</td> </tr> </tbody> </table> <p>Water consumption is under the prescribed limit.</p>	Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Fresh Water Consumption (1253 KLD)	Total KL/Month	19471	12298	6342	8625	10643	15506	Average KLD	649	397	211.4	278	343	517
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10	<p>The industrial effluent generation from the project shall not exceed 359 KLD after expansion.</p>	<p>Complied The effluent generation of the Unit is not exceeding 724 KL/Day. Waste Water consumption is under the prescribed limit.</p> <p style="text-align: center;">EFFLUENT GENERATION DETAILS</p> <table border="1"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Industrial Effluent Generation (724 KLD)</td> <td>Total KL/Month</td> <td>2803.4</td> <td>2144.1</td> <td>1509.5</td> <td>2685</td> <td>3273.9</td> <td>3976.9</td> </tr> <tr> <td>Average KLD</td> <td>93.44</td> <td>69.16</td> <td>50.3</td> <td>86.6</td> <td>105.60</td> <td>132.56</td> </tr> </tbody> </table>	Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Industrial Effluent Generation (724 KLD)	Total KL/Month	2803.4	2144.1	1509.5	2685	3273.9	3976.9	Average KLD	93.44	69.16	50.3	86.6	105.60	132.56
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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"> ➤ 255 KLD effluent generated (197 KLD from process, 25 KLD from scrubbers and 33 KLD from washing) shall be treated into in-house ETP plants (ETP-1 & ETP-2) and shall be taken into tertiary ETP. ➤ 193 KLD effluent (164 KLD from cooling Blow down and 29 KLD from Boiler Blow down) shall be treated into inhouse ETP plant (ETP- and RO plant. RO reject (104 KLD) and shall be treated in tertiary treatment. ➤ 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. 	<p>Complied Details of effluent generation is as under:</p> <p style="text-align: center;">EFFLUENT GENERATION DETAILS</p> <table border="1" data-bbox="841 359 1588 800"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Industrial Effluent Generation</td> <td>Process Effluent (KLD)</td> <td>1056.4</td> <td>391.1</td> <td>246.5</td> <td>651</td> <td>724.9</td> <td>1685.9</td> </tr> <tr> <td>Average KLD</td> <td>35.21</td> <td>12.61</td> <td>8.21</td> <td>21</td> <td>23.38</td> <td>56.19</td> </tr> <tr> <td>Utility Blowdown (KLD)</td> <td>1747</td> <td>1753</td> <td>1263</td> <td>2034</td> <td>2549</td> <td>2291</td> </tr> <tr> <td>Average KLD</td> <td>58.23</td> <td>56.54</td> <td>42.1</td> <td>65.61</td> <td>82.22</td> <td>76.36</td> </tr> </tbody> </table>	Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Industrial Effluent Generation	Process Effluent (KLD)	1056.4	391.1	246.5	651	724.9	1685.9	Average KLD	35.21	12.61	8.21	21	23.38	56.19	Utility Blowdown (KLD)	1747	1753	1263	2034	2549	2291	Average KLD	58.23	56.54	42.1	65.61	82.22	76.36
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	Utility Blowdown (KLD)	1747	1753	1263	2034	2549	2291																																
	Average KLD	58.23	56.54	42.1	65.61	82.22	76.36																																
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 Domestic wastewater is treated in STP. Treated water used for gardening/cooling tower purposes.</p> <p style="text-align: center;">Domestic Waste Water Generation</p> <table border="1" data-bbox="841 989 1588 1220"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2023</th> <th>May 2023</th> <th>Jun 2023</th> <th>Jul 2023</th> <th>Aug 2023</th> <th>Sep 2023</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="writing-mode: vertical-rl; transform: rotate(180deg);">Domestic WasteWater (47 KLD)</td> <td>Total KL/Month</td> <td>380</td> <td>325</td> <td>687</td> <td>701</td> <td>593</td> <td>644</td> </tr> <tr> <td>Average KLD</td> <td>12.66</td> <td>10.48</td> <td>22.9</td> <td>22.61</td> <td>19.12</td> <td>21.46</td> </tr> </tbody> </table>	Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Domestic WasteWater (47 KLD)	Total KL/Month	380	325	687	701	593	644	Average KLD	12.66	10.48	22.9	22.61	19.12	21.46														
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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 The treated STP water is being used for green belt development / Cooling tower. During Monsoon the treated STP water shall be used for cooling tower make up. Also, the Unit has constructed a guard tank for storage of treated water.</p>																																					
14	<p>Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.</p>	<p>Complied Unit has an adequate buffer with two water storage tanks each of 300 kl capacity for holding the treated wastewater during the rainy days.</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 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>Noted Currently the unit has the permission for the deep sea discharge through the GIDC common pipeline. Before discharge, ensuring the norms as prescribed by the GPCB.</p>																																					

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

17	Treated wastewater shall be sent to CETP-Dahej only after complying with the inlet norms of common facilities prescribed by GPCB to ensure no adverse impact on Human Health and Environment.	Noted Unit has the permission for the deep sea discharge through the GIDC common pipeline.																																														
18	The Unit shall provide metering facility at the inlet and outlet of ETP and maintain records for the same.	Complied Unit has provided a metering system and maintained the same in the logbook. 																																														
19	Proper logbooks of ETP; reuse/recycle of treated/untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.	Complied Unit is maintaining a logbook of ETP, chemical consumption, quantities and qualities of effluent discharge and reuse, power consumption etc, and is furnished to the GPCB from time to time. Electricity consumption in ETP summary <table border="1" data-bbox="837 1220 1599 1619"> <thead> <tr> <th colspan="2">Power Consumption ETP</th> </tr> <tr> <th>Month</th> <th>Total KWH</th> </tr> </thead> <tbody> <tr> <td>Apr-23</td> <td>130572</td> </tr> <tr> <td>May-23</td> <td>86662</td> </tr> <tr> <td>June-23</td> <td>72701</td> </tr> <tr> <td>July-23</td> <td>107385</td> </tr> <tr> <td>August-23</td> <td>91122</td> </tr> <tr> <td>September-23</td> <td>110478</td> </tr> </tbody> </table> <table border="1" data-bbox="837 1654 1576 1875"> <thead> <tr> <th colspan="10">Chemical Consumption ETP</th> </tr> <tr> <th>Month</th> <th>PE (KG)</th> <th>Urea (KG)</th> <th>DAP (KG)</th> <th>Lime (KG)</th> <th>PAC (KG)</th> <th>Caustic (Ltr)</th> <th>HCl (ltr)</th> <th>Jagger (KG)</th> <th>Defor mer (ltr)</th> </tr> </thead> <tbody> <tr> <td>Apr-23</td> <td>0.7</td> <td>3</td> <td>5</td> <td>22</td> <td>230</td> <td>122</td> <td>323</td> <td>8</td> <td>12</td> </tr> </tbody> </table>	Power Consumption ETP		Month	Total KWH	Apr-23	130572	May-23	86662	June-23	72701	July-23	107385	August-23	91122	September-23	110478	Chemical Consumption ETP										Month	PE (KG)	Urea (KG)	DAP (KG)	Lime (KG)	PAC (KG)	Caustic (Ltr)	HCl (ltr)	Jagger (KG)	Defor mer (ltr)	Apr-23	0.7	3	5	22	230	122	323	8	12
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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II, Dahej, Dist. Bharuch

						90	2		
May-23	0.66	0	0	0	1455	5690	2351	0	12
June-23	0.1	0	4	36	440	2025	807	47	17
July-23	2.55	0	3	76	360	3550	1100	78	12
August-23	2.85	15	33	67	300	4218	2342	48	7
September-23	1.6	1	19	65	405	3617	3670	100	0

A.3 AIR

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

Sr. No	Stack Attached to	Stack Height in Meter	Fuel Consumption	Air Pollution Control System
Existing				
1	D.G. Set (3 Nos.) Capacity : 2000 KVA each	33	Diesel 1800 L/Hr	Stack with 33 M Height
Proposed Additional Total				
1	D.G. Set (1 Nos.) Capacity : 2000 KVA each	33	HSD 600 L/Hr	Stack with 33 M Height
2	D.G. Set (2 Nos.) Capacity : 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 M Height

Complied
Records of diesel consumption month-wise given as below:

Diesel Consumption

Month	Apr 2023	May 2023	June 2023	July 2023	Aug 2023	Sep 2023
Limit	3900 L/Hr					
Total Diesel Consumption (Litre/Month)	480	495	495	480	500	525
Diesel Consumption (Litre/Hr)	0.67	0.69	0.69	0.67	0.69	0.73

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

3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubber (Lime Dosing along with coal) + ESP		
Total after Proposed Expansion						
1	D.G. Set (4 Nos.) Capacity : 2000 KVA each	33	HSD 2400 L/Hr	Stack with 33 M Height		
2	D.G. Set (2 Nos.) Capacity : 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 M Height		
3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubber (Lime Dosing along with coal) + ESP		
<p>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)</p>						
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 ANNEXURE-VI	
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 Annexure ANNEXURE-III	
	Stack No.	Stack attcahed to	Stack Heigh t in	Air Pollut ion	Param eter	Permi ssible limit

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

		Meter	Contr ol Meas ure (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 trioxi de (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	Scrub ber Conne cted to tanks	11	Alkali Scrub ber	VOC	–
5	Scrub ber Conne	11	Alkali Scrub ber	VOC	–

All parameters well within the limit.

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

	ected to tanks				
6	Common alkali scrubber for SO2 tank Farm	11	Alkali Scrubber	SO2	40 mg/N m3
7	DCA plant vacuum storage pump	11	Water Scrubber	VOC	–
8	HNO3 tank	11	3 stage lime scrubber	NOx	25 Mg/N m3
9	Liq SO3 and 25% oleum tank	11	Acid Scrubber	SO2	40 mg/N m3
10	Sulphuric Acid Concentration plan (SAC)	11	Alkali Soray scrubber	SO2 VOC	40mg/ Nm3 –
11	DCP plant: DCA Sulphate Vent	11	Venturi water scrubber	SO2 VOC	40 mg/N m3 –
Proposed Total after Expansion					
1	Scrubber	30 (Com)	Alkali Scrub	SO2 Acid	1250 mg/N

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


	Conne ctedto Sulph ur dioxid e reacti on and Sulhu ric Acid plant	mon stack)	ber	mist/S ulphur trioxi de (for plant Capac ity per 100% Conce ntratio n of Sulph uric acid (<300 Tone /Day)	m3 (2kg/ MT of 100% Conc. acid produ ction) 70 mg/N m3
2	Scrub ber Conne cted to NSA		Alkali Scrub ber	SO2	40 Mg/N m3
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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	11	Alkali Scrub ber	SO2	40 mg/N m3

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

		Tank Farm				
	7	DCA plant vacuum pump storage tank	11	Water Scrubber	VOC	–
	8	HNO ₃ Tank Farm	11	3 Stage Alkali scrubber	NO _x	25 Mg/Nm ³
	9	Liq SO ₃ and 25% oleum tank	11	Acid Scrubber	SO ₂	40 mg/Nm ³
	10	Sulphuric Acid Concentration plant (SAC)	11	Alkali Spray Scrubber	SO ₂ VOC	40mg/Nm ³ –
	11	DCP Plant: DCA sulphate vent	11	Ventury Water Scrubber	SO ₂ VOC	40 mg/Nm ³ –
	12	DCP Drum filling Scrubber	11	Alkali Scrubber	VOC	–
23	Unit shall use approved fuels only as fuel in boilers and DG set.					Complied Unit has used approved fuels only in DG sets..

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

<p>24</p>	<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 & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.</p> <ul style="list-style-type: none"> ➤ Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. ➤ Air Borne dust shall be Controlled with water sprinklers at suitable location in the plant. ➤ A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission. 	<p>Complied Unit has followed below guidelines to reduce the fugitive emissions in the work zone.</p> <ul style="list-style-type: none"> ➤ Internal roads have been concreted. Photograph of the same is given in Point No. 7 ➤ Water sprinklers have been provided at suitable locations in the plant.  <ul style="list-style-type: none"> ➤ Green belt has been developed in and around the plant boundary and roads to mitigate fugitive & transport dust emission. 
<p>25</p>	<p>Regular Monitoring of volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.</p>	<p>Complied Volatile Organic Compounds (VOCs) are monitored by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.). Report of Work Zone area monitoring is attached in ANNEXURE-VII</p>

<p>26</p>	<p>For control of Fugitive emission,VOCs, following steps shall be followed:</p> <ul style="list-style-type: none"> ➤ Closed Handling and charging system shall be provided for chemicals. ➤ Reflux condenser shall be provided over Reactors /Vessels. ➤ Pumps shall be provided with mechanical seals to prevent leakages. ➤ Air Borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures. 	<p>Complied</p> <ul style="list-style-type: none"> ➤ Closed handling and charging systems have been provided for chemicals. ➤ Reflux condenser has been provided over Reactors / Vessels. ➤ Pumps have been provided with mechanical seals to prevent leakages. ➤ The plant is operated by a DCS system. ➤ Unit has provided an enclosure system for air borne dust at all transfer operations. <div style="display: flex; justify-content: space-around;">  </div>
<p>26</p>	<p>Solvent Management shall be carried out as follows:</p> <ul style="list-style-type: none"> ➤ Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvent shall be minimum. All venting equipment shall have vapour recovery system. ➤ Reactor shall be connected to adequate chilling system to condensate solvent vapor and reduce solvent losses. ➤ Reactor and solvent handling pump shall have mechanical seals to prevent leakages. ➤ The Condensers shall be provided with sufficient HTA and residence time so as to achieve maximum solvent recovery. ➤ Solvents shall be stored in a separate space specified with all safety measures. ➤ Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. ➤ Solvent storage and handling area shall be flame proof the solvent storage tanks shall be provided with breather valve to prevent losses. 	<p>Complied</p> <ul style="list-style-type: none"> ➤ Unit has the proper solvent recovery system and to avoid the emission process running in a closed loop system. ➤ Reactors connected with the chilling system to condensate the solvent vapor and reduce the vapor losses. ➤ Pumps have been provided with mechanical seals to prevent leakages. ➤ The condenser has the proper adequate HTA area with residence time to achieve Maximum Solvent Recovery System. ➤ Unit has provided a dedicated storage space area for the Solvent Storage tank. ➤ Unit has provided the proper earthing with all electrical equipment wherever solvent handling is done. ➤ All the solvent storage area has been flame proof with the breather Valve to prevent losses.



28

Regular Monitoring of Ground level concentration of PM10, PM2.5, SO2, NOx, and VOCs shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

Complied

The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorized party (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 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
Near Maing ate	PM10 (100 µg/m3)	84	88	76	82	69	70
	PM2.5 (60 µg/m3)	30	32	25	20	21	25
	SO2 (80 µg/m3)	24.5	20.8	16.5	19.3	15.4	18.3
	NO2 (80 µg/m3)	26.1	25.1	20.8	25.4	21.2	19.5
Near ETP	PM10 (100 µg/m3)	80	76	69	74	65	66
	PM2.5 (60 µg/m3)	29	27	27	31	18	22
	SO2 (80 µg/m3)	22.6	17.3	18.4	21.2	16.3	16.2

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

		NO2 (80 µg/m3)	27.7	24.1	21.5	27.1	20.5	22.3
	Near DCS PCC Contro I Room	PM10 (100 µg/m3)	77	80	82	76	58	68
		PM2.5 (60 µg/m3)	32	29	31	26	16	24
		SO2 (80 µg/m3)	22.5	18.2	18.2	22.1	15.9	15.8
		NO2 (80 µg/m3)	26.7	22.3	20.5	27.5	22.4	22.8

A.4 SOLID/HAZARDOUS WASTE:

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

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/ Addition	Total After EC Expansion	
1.	ETP Waste	35.3	From ETP	4800	4800	3376	8176	Collection, Storage, Transportation and Disposal to TSDF/Co-processing.
2.	Distillation residue	26.1	From Process	4200	4074.48	6045.52	10120	Collection, Storage

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

Waste	Limit (MT)	Apr 2023		May 2023		June 2023		Jul 2023		Aug 2023		Sep 2023	
		Gen	Dis	Gen	Dis	Gen	Dis	Gen	Dis	Gen	Dis	Gen	Dis
ETP	8176	2280	1430	6240	9470	8210	0	7160	1275	0	0	0800	00
Process Residue	1000	8490	831	2687	2583	3075	289	3675	1803	975	1811	125	263
Discarded Container	100					090	090						
Used Oil	30	35	0	0	215	155	0	155	0	155	0	155	0
Inslation Waste	40	082	0	022	0	216	166	035	0	025	000	022	00

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

	e							e, Transportation Disposal at CH WI F/P re- Process ing/ Co- proce ssi ng.														
									M E S alt	1 8 2 5	2 7. 3 5	2 7. 1 7 0	11 .5	11 .1 8	1 5. 4 0	1 5. 11	7. 6	0. 0	1. 5	0. 0 0	11 .8	0. 0 0
									S pe nt C at al ys t	1 7. 2 8	0. 0 0	0. 0 0	0. 0 0	0. 0 0	0. 5 8 9	0. 5 8 9	0. 0 0	0. 0 0	0. 0 0	0. 0 0	0. 0 0	
									N R P /P E/ W as te	6 0	0. 0 0	0. 0 0	0. 4 7	0. 4 7	0. 0 0	0. 0 0	0. 0 0	0. 0 0	0. 0 0	0. 0 0	0. 0 0	
3.	Gy psu m	B2 08 0	-	72 00	72 00	-72 00	0	N A Dis co nti nu e														
4.	Sul ph ur Slu d g e	B2 04 0	Fro m Pro ces s	84	84	48 8	57 2	Co lle cti on, Sto rag e, Tra nsp ort ati on Dis pos al at TS DF /C H WI F/														

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

								Co -pr oce ssi ng.
5.	Dis car de d Co nta ine rs/ Ba gs	33. 1	Fro m Pla nt	W hat soe ver Ge ner ate d	W hat soe ver Ge ner ate d	10 0	10 0	Co lle cti on, Sto rag e, De co nta mi nat ion ,Tr ans por tati on, Dis pos al by Sol d to aut hor ize rec ycl ers or Co lle cti on, Sto rag e, Tra nsp ort ati on, Dis pos

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

								al of Co nta mi nat ed Ba gs/ Co nta ine rs to TS DF /C H WI F/P re- pro ces sin g/ Co -pr oce ssi ng.
6.	Us ed Oil	5.1	Fro m pla nt	6	6	24	30	Co lle cti on, Sto rag e, Tra nsp ort ati on, Dis pos al by sell ing to reg iste red rep

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

								processors
7	Insulation Waste	S1	From Plant	Waste Generator	Waste Generator	40	40	Collection, Storage, Transportation, Disposal by TSDF Site.
8.	Non Recyclable plastic waste/ PP E/ Bags/ Cotton Waste	S4	From Plant	25	25	35	60	Collection, Storage, Decontamination, Transportation, Disposal by Sold to authorize

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

								recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/ Containers to TSDF/CHWI/F/P processing/Co-processing.
9.	Spent Ca	36.2	From Pro	60	60	60	120	Collection

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

	Carbon		Processes					on, Storage, Transportation Sent to TS DF /C H W I F/ Co -pr ocessi ng/ Pre -Pr ocessi ng.
10.	Spent Catalyst	I-2 6.5	From Processes	3.6	3.6	13.68	17.28	Collection, Storage, Transportation Sent for regeneration and recycled back

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

								k OR dis pos al to TS DF
11.	M EE /D EE /A TF D Sal t (so diu m Sul ph ate)	35. 3	Fro m Pro ces s	12 60	12 60	56 5	18 25	Co lle cti on, Sto rag e, Tra nsp ort ati on & Sol d to aut hor ize d act ual en d use rs ha vin g rul e -9 per mi ssi on or TS DF
13.	Sp ent Sul ph uri	B- 15 Sc he dul	Fro m Pro ces s	0	0	12 74 5	12 74 5	Co lle cti on, Sto

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

									rag e, Tra nsp ort ati on & Sol d to aut hor ize d act ual en d use rs ha vin g rul e -9 per mi ssi on or US ED int ern all y as ra w ma teri al.
14.	Sp ent Re sin	35. 2	Fro m Pro ces s	0	0	5	5	Co lle cti on, Sto rag e, Tra nsp	

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

								ort ati on, Se nt for Co -pr oce ssi ng/ Pre - Pro ces sin g/T SD F/ CH WI F
15.	RO Me mb ran e/ car trid ge Filt er	36. 2	Fro m RO Un it	0	5	5	10	Co lle cti on, Sto rag e, Tra nsp ort ati on dis pos al by at TS DF
16.	Filt er Clo ths	36. 2	Fro m Un it	0	5	5	10	Co lle cti on, Sto rag e, Tra nsp ort ati

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

								on dis pos al by at TS DF /C H WI F.
17.	Co tto n Wa ste	33. 2	Fro m Un it	1	1	4	5	Co lle cti on, Sto rag e, Tra nsp ort ati on, Dis pos al at TS DF /C H WI F
18.	Gl ass Wa ste	S7	Fro m Pla nt	2	2	3	5	Co lle cti on Sto rag e, Tra nsp ort ati on, Dis pos al/ Sol d to

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

								Scrap Processors	
19.	PP E Waste	33.2	From Plant	0	0	40	40	Collection, Storage, Transportation and disposal at Common TSDF or CHWIF	
30	Authorized end users shall have permissions from the concerned authorities under the Rule-9 of the Hazardous and other wastes (Management and Transboundary Movement) Rule 2016.								
		Complied						Unit will ensure the rule-9 permission before sending any hazardous waste to the end users for the co-processing purposes.	
31	Unit Shall Explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes before sending to CHWIF & TSDF sites respectively.								
		Compiled.						Unit is exploring all the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes	
32	The project Proponent has to obtain membership of TSDF site & CHWIF before obtaining CTO of GPCB.								
		Complied						Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in Point No. 66	
33	The unit shall submit the list of authorized end users of hazardous wastes along with MOU signed with them at								
		Noted.							

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

	<p>least two months in advance prior to the commencement of production. In the absence of potential buyers of these items, the unit shall restrict the production of the respective items.</p>	<p>Unit will submit the list of authorized end users of hazardous wastes alongwith MOU signed with them at least two months prior advance.</p>
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A. 5 OTHER:

<p>34</p>	<p>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.</p>	<p>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</p> <table border="1" data-bbox="837 569 1598 1050"> <thead> <tr> <th data-bbox="837 569 1070 720">Name of Associated NGO</th> <th data-bbox="1070 569 1378 720">Nature of Work</th> <th data-bbox="1378 569 1598 720">Amount (Rs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="837 720 1070 915">Sewa Rural</td> <td data-bbox="1070 720 1378 915">Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School</td> <td data-bbox="1378 720 1598 915">0.42 lacs-</td> </tr> <tr> <td data-bbox="837 915 1070 1050">Self</td> <td data-bbox="1070 915 1378 1050">Greenbelt development opposite to Tatva Chintan Plant</td> <td data-bbox="1378 915 1598 1050">80 lacs</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs)	Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-	Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs
Name of Associated NGO	Nature of Work	Amount (Rs)									
Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-									
Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs									
<p>35</p>	<p>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>	<p>Complied Unit strictly adheres to the commitments made to the SEAC. ANNEXURE-IX</p>									

B. GENERAL CONDITIONS:

B.1 CONSTRUCTION PHASE:

<p>36</p>	<p>Water Demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.</p>	<p>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.</p>
<p>37</p>	<p>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>	<p>Complied Unit is practicing Covering trucks and water sprinkling to eliminate dusting. During the current monitoring phase, project based construction was not in place</p>

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

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 ANNEXURE-X
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 ANNEXURE-XI
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 ANNEXURE-VI
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 neighbouring 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	Complied Unit has PPC cement.


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

	under the E.P. Act, 1986 and its subsequent amendments from time to time.	
48	“Wind-Breaker of appropriate height i.e. 1/3rd of the building height and maximum 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.2 OPERATION PHASE		
B.2.1 WATER:		
57	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Complied Unit has installed water meters and maintains the record on a daily and monthly basis.
58	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	Complied The unit had adopted Best Available Technology (BAT) to reduce, recycle and reuse the treated effluent. The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE. The


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

		<p>unit will reuse permeate/condensate generated from RO, DEE & MEE in the cooling tower.</p>  <p>Photographs are as follows</p> 
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B.2.2 AIR:

<p>59</p>	<p>In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & its APCM through the credible institutes and study report for the impacts on Environment and Human Health shall be submitted to GPCB every year along with a half yearly compliance report.</p>	<p>Noted. As of now the unit has not installed any spray dryer system as it is not the process requirement.</p>
<p>60</p>	<p>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>	<p>Complied Unit has provided Acoustic enclosure to DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.</p> 

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

		Report of Noise monitoring is attached in ANNEXURE-XI
61	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	Complied. Unit has provided adequate stack height around 33 meter DG stack and scrubber around 11 meter for flue gas/ process gas emission.
62	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.	Complied Report of flue gas emission monitoring is attached in ANNEXURE-VI & process gas emission monitoring of APCM scrubbers are attached in ANNEXURE-III 
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.
B.2.3 HAZARDOUS/SOLID WASTE		
64	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/ disposal of hazardous wastes.	Complied Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/Labelling-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.


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

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 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 Unit has received membership from BEIL & SEPL. Membership certificate copy from CHWIF and TSDF of the same are attached in ANNEXURE-XIII</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 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 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 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 Fly ash is not being generated from the unit.</p>
B.2.4 SAFETY		
71	The occupier/ manager shall strictly comply with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.	<p>Complied The occupier has strictly complied with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.</p>


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

72	<p>The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for Handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosive and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.</p>	<p>Complied The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989. PESO Certificate attached in ANNEXURE-IV On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and same has been attached in ANNEXURE-XIV</p>
73	<p>Main entry and exit shall be separate and clearly marked in the facility.</p>	<p>Complied Main entry & Exit were separated and have been constructed marked clearly.</p> <p>Photographs of Entry</p>  <p>Photograph of Exit</p> 

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

74	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Complied Sufficient peripheral open passage is provided in the margin area for free movement of fire tender/ emergency vehicle around the premises.
75	Storage of flammable chemicals shall be sufficiently away from the production area.	Complied Unit has been constructed as per prevailing rules of government authorities for storage of flammable chemicals. Photographs has been attached as below: 
76	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Complied Unit has provided 307 numbers of fire extinguishers near the plant and storage area. The fire extinguishers are installed in all the process plants such as DCA, DCP, SAC-CR Plant, NSASO2 Plant as well as in ETP, OHC, Admin, Canteen etc. It is installed on every floor in the premises. ANNEXURE-XV
77	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals.	Complied Unit is ensuring to take necessary precautions as per the prevailing rules of government authorities for storage and handling of toxic and hazardous chemicals.
78	All the toxic/ hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	Complied Unit will ensure to maintain optimum quantities of toxic / hazardous chemicals. All necessary permissions are obtained in this regard before commencing the expansion activities.
79	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report.	Complied The unit has adhered to the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report. The letter submitted to DISH for Risk Assessment Report, Safety Audit Report, QRA study. The same has been attached in Annexure-XIV The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. Annexure-XVI
80	Only flameproof electrical fittings shall be provided in the plant premises.	Complied Unit has installed flameproof electrical fittings in the plant premises.

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

81	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/ containers instead of on single large capacity tank/ containers.	Complied Unit has restricted the use of single large capacity tanks/ containers and 1 number of tanks are installed for the RM and pure product storage in the Tank farm area.
82	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/ dyke walls shall be provided for storage tanks for hazardous Chemicals.	Complied Unit has installed necessary engineering controls to avoid leakages and hazardous chemical storage tanks have been installed inside a Bund/ dyke wall. Photograph is attached as below: 
83	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer to that minimal human exposure occurs.	Unit has taken all necessary measures to minimize the human exposure to hazardous chemicals by closed loop pumping / vacuum transfer.
84	Tie up shall be done with nearby health care unit/ doctor for seeking immediate medical attention in the case of emergency.	Complied Unit has tied up with nearby health care units/ doctors for seeking immediate medical attention in the case of emergency. Unit has also developed OHC with all medical facility with factory medical officer and staff. The Unit have tie up with Sunshine Global Hospital, Healing Multispeciality Hospital and Baroda Heart Hospital for immediate medical attention in the case of emergency at the Bharuch District. The same has been attached in Annexure-XVII
85	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Complied Unit has maintained around 50 types of Personal Protective Equipment (PPEs) and provided the same to workers. Unit has encouraged and ensured that PPE's are used by workers as per the requirement for a particular job role. PPEs- Helmet, Goggles, Safety Shoes, Full body safety suit, Double anchored safety harness, Cartridge mask, antistatic hand gloves, bubble hood etc.
86	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied



14 Numbers of First Aid Box are available and required Antidotes (Methylene Blue, Dipotherene, etc) for the chemicals used in the unit are available in OHC at site.

87 Training shall be imparted to all the workers on safety and health aspects of chemicals handling.

Complied
Training is given to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees are done on a regular basis. Training to all employees on handling chemicals is imparted regularly.

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	Apr' 23 - Sep' 23	165	139

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

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"> - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers <p>Details of health surveillance of the employees and contract workers are given below:</p> <table border="1" data-bbox="959 722 1555 816"> <thead> <tr> <th>Month of surveillance</th> <th>Total no. of Employees</th> </tr> </thead> <tbody> <tr> <td>Apr, 23 to Sep, 23</td> <td>304</td> </tr> </tbody> </table> <table border="1" data-bbox="959 842 1555 1136"> <thead> <tr> <th>Month of Surveillance</th> <th>No. of Persons</th> </tr> </thead> <tbody> <tr> <td>Apr,23</td> <td>41</td> </tr> <tr> <td>May,23</td> <td>31</td> </tr> <tr> <td>Jun,23</td> <td>39</td> </tr> <tr> <td>Jul, 23</td> <td>171</td> </tr> <tr> <td>Aug, 23</td> <td>6</td> </tr> <tr> <td>Sep,23</td> <td>16</td> </tr> </tbody> </table> <p>Medical Examination Summary & Sample Report have been attached in Annexure-XVIII</p>	Month of surveillance	Total no. of Employees	Apr, 23 to Sep, 23	304	Month of Surveillance	No. of Persons	Apr,23	41	May,23	31	Jun,23	39	Jul, 23	171	Aug, 23	6	Sep,23	16
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Jul, 23	171																			
Aug, 23	6																			
Sep,23	16																			
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. ANNEXURE-XVI</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 ANNEXURE-VI</p> <p>Unit has obtained Factory License No. 41555 , dated: 1st February, 2020. Attached as ANNEXURE-X</p> <p>The letter submitted to DISH for onsite emergency plan & safety report. The same has been attached in ANNEXURE-XIV</p>																		
B.2.5 NOISE																				


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

92	<p>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>	<p>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-XI</p> <p style="text-align: center;">Details of Noise Monitoring All the parameters under prescribed limit</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="3" style="text-align: center;">L o c a t i o n</th> <th rowspan="3" style="text-align: center;">GPCB limit</th> <th colspan="12"></th> </tr> <tr> <th colspan="2" style="text-align: center;">Apr 2023</th> <th colspan="2" style="text-align: center;">May 2023</th> <th colspan="2" style="text-align: center;">June 2023</th> <th colspan="2" style="text-align: center;">Jul 2023</th> <th colspan="2" style="text-align: center;">Aug 2023</th> <th colspan="2" style="text-align: center;">Sep 2023</th> </tr> <tr> <th style="text-align: center;">Day</th> <th style="text-align: center;">Nig ht</th> <th style="text-align: center;">Day</th> <th style="text-align: center;">Nig ht</th> <th style="text-align: center;">Day</th> <th style="text-align: center;">Nig ht</th> <th style="text-align: center;">Day</th> <th style="text-align: center;">Nig ht</th> <th style="text-align: center;">Day</th> <th style="text-align: center;">Nig ht</th> <th style="text-align: center;">Day</th> <th style="text-align: center;">Nig ht</th> </tr> <tr> <th colspan="14" style="text-align: center;">Noise Level dB (A)</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center;">Near ETP area</td> <td style="text-align: center;">75 dB (A)</td> <td style="text-align: center;">6 5.</td> <td style="text-align: center;">5 1.</td> <td style="text-align: center;">6 6.</td> <td style="text-align: center;">4 9.</td> <td style="text-align: center;">6 7.</td> <td style="text-align: center;">5 2.</td> <td style="text-align: center;">6 8.</td> <td style="text-align: center;">5 1.</td> <td style="text-align: center;">6 3.</td> <td style="text-align: center;">5 3.</td> <td style="text-align: center;">6 5.</td> <td style="text-align: center;">5 2.</td> </tr> <tr> <td style="text-align: center;">70 dB (A)</td> <td style="text-align: center;">5 5</td> <td style="text-align: center;">8 8</td> <td style="text-align: center;">2 2</td> <td style="text-align: center;">5 5</td> <td style="text-align: center;">8 8</td> <td style="text-align: center;">5 5</td> <td style="text-align: center;">5 5</td> <td style="text-align: center;">6 6</td> <td style="text-align: center;">5 9</td> <td style="text-align: center;">6 4</td> <td style="text-align: center;">5 2</td> <td style="text-align: center;">5 3</td> </tr> <tr> <td style="text-align: center;">Near D.G. Set</td> <td></td> <td style="text-align: center;">7 2. 5</td> <td style="text-align: center;">5 5. 2</td> <td style="text-align: center;">7 1. 9</td> <td style="text-align: center;">5 6. 1</td> <td style="text-align: center;">7 2. 5</td> <td style="text-align: center;">5 4. 5</td> <td style="text-align: center;">7 3. 2</td> <td style="text-align: center;">5 3. 2</td> <td style="text-align: center;">7 1. 6</td> <td style="text-align: center;">5 5. 2</td> <td style="text-align: center;">6 9. 2</td> <td style="text-align: center;">5 4. 2</td> </tr> <tr> <td style="text-align: center;">Near Main Gate</td> <td></td> <td style="text-align: center;">6 5. 1</td> <td style="text-align: center;">5 2. 3</td> <td style="text-align: center;">6 4. 3</td> <td style="text-align: center;">5 3. 6</td> <td style="text-align: center;">7 3. 4</td> <td style="text-align: center;">5 4. 2</td> <td style="text-align: center;">6 7. 5</td> <td style="text-align: center;">5 5. 4</td> <td style="text-align: center;">7 2. 5</td> <td style="text-align: center;">6 3. 1</td> <td style="text-align: center;">5 0. 5</td> <td style="text-align: center;">5 4. 4</td> </tr> <tr> <td style="text-align: center;">Near DCA Plant</td> <td></td> <td style="text-align: center;">6 7. 2</td> <td style="text-align: center;">5 4. 2</td> <td style="text-align: center;">6 8. 1</td> <td style="text-align: center;">5 2. 4</td> <td style="text-align: center;">6 7. 3</td> <td style="text-align: center;">5 5. 6</td> <td style="text-align: center;">6 8. 2</td> <td style="text-align: center;">5 6. 2</td> <td style="text-align: center;">7 8. 1</td> <td style="text-align: center;">6 6. 3</td> <td style="text-align: center;">5 7. 2</td> <td style="text-align: center;">5 2. 4</td> </tr> <tr> <td style="text-align: center;">Near Mate rial Gate</td> <td></td> <td style="text-align: center;">6 6. 6</td> <td style="text-align: center;">5 3. 4</td> <td style="text-align: center;">6 5. 2</td> <td style="text-align: center;">5 4. 3</td> <td style="text-align: center;">6 6. 2</td> <td style="text-align: center;">5 3. 8</td> <td style="text-align: center;">6 7. 1</td> <td style="text-align: center;">5 5. 1</td> <td style="text-align: center;">7 7. 2</td> <td style="text-align: center;">6 4. 5</td> <td style="text-align: center;">5 6. 5</td> <td style="text-align: center;">5 1. 5</td> </tr> </tbody> </table> <p style="text-align: center; font-size: small;">Note: N.D.- Not Detected, BDL - Below Detection Limit</p> <p style="text-align: center;">All the parameters under prescribed limit</p>	L o c a t i o n	GPCB limit													Apr 2023		May 2023		June 2023		Jul 2023		Aug 2023		Sep 2023		Day	Nig ht	Day	Nig ht	Day	Nig ht	Day	Nig ht	Day	Nig ht	Day	Nig ht	Noise Level dB (A)														Near ETP area	75 dB (A)	6 5.	5 1.	6 6.	4 9.	6 7.	5 2.	6 8.	5 1.	6 3.	5 3.	6 5.	5 2.	70 dB (A)	5 5	8 8	2 2	5 5	8 8	5 5	5 5	6 6	5 9	6 4	5 2	5 3	Near D.G. 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B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION																																																																																																																																									
93	<p>The unit shall undertake the Cleaner Production Assessment study through a reputed institute /organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.</p>	<p>Complied Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat Approved by AICTE, New Delhi & Affiliated to GTU, Ahmedabad. Cleaner Production Assessment study report is attached as an Annexure-XIX</p>																																																																																																																																							
94	<p>The company shall undertake various waste minimization measures such as:</p> <p style="padding-left: 20px;">Metering and control of quantities of active ingredient to minimize waste</p>	<p>Complied The Unit has implemented waste minimization measures as mentioned below but not limiting to:</p>																																																																																																																																							

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

	<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>
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B.2.7 GREEN BELT AND OTHER PLANTATION

<p>95</p>	<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> 
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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II, Dahej, Dist. Bharuch

96	Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	<p>Complied 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> 
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.	<p>Complied The greenbelt has been developed and maintained by the unit regularly.</p> <p>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.</p>
B.3 OTHER CONDITION		
98.	Project Proponent shall provide mechanism/System for wastewater stream segregation at source and strictly follow up to treatment and final disposal of the same if applicable.	<p>Complied Unit has done the proper segregation for the wastewater stream and strictly follow up the same</p>
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.	<p>Complied ne Unit had allotted the schedule-1 auditor as per the GPCB.</p>
100.	PP shall carry out the safety audit and risk assessment report as per the prevailing guidelines of the safety.	<p>Complied Unit has done the safety audit and risk assessment as per the guideline of the safety.</p>
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.	<p>Noted. Currently at unit fly ash has not been generated.</p>

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

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 ANNEXURE-XI																												
103.	In EMP proponent should separately indicate majors of occupational health, fire and safety measures.	Complied EMP attached as an ANNEXURE-IX																												
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 receive the EC to CTE on 31/03/2023 now we are applying for the CCA amendment application. Attached as an ANNEXURE-XX																												
105.	Wherever wastewater or chemical water to be collected by tankers and transported to CETP etc. and diversion and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law.	Noted Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.																												
106.	All transport movement by tankers etc has to be done with maintenance of gate pass and logbook it should be verified by the inspecting authorities.	Noted																												
107.	Non-Hazardous waste data shall be informed to GPCB time to time so as to make an assessment and tie-up with industry for generating sustainable power from the waste.	Complied Details of Non-Hazardous waste are as follows: <table border="1" data-bbox="841 1157 1495 1612"> <thead> <tr> <th>MONTH</th> <th>SS Scrap (MT)</th> <th>MS Scrap (MT)</th> <th>Wooden (MT)</th> </tr> </thead> <tbody> <tr> <td>Apr, 2023</td> <td>1.12</td> <td>5.2</td> <td>0</td> </tr> <tr> <td>May, 2023</td> <td>2.08</td> <td>6.39</td> <td>0</td> </tr> <tr> <td>Jun, 2023</td> <td>0</td> <td>0</td> <td>1.01</td> </tr> <tr> <td>Jul, 2023</td> <td>0</td> <td>6.14</td> <td>3.52</td> </tr> <tr> <td>Aug, 2023</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Sep, 2023</td> <td>0</td> <td>0</td> <td>0.830</td> </tr> </tbody> </table>	MONTH	SS Scrap (MT)	MS Scrap (MT)	Wooden (MT)	Apr, 2023	1.12	5.2	0	May, 2023	2.08	6.39	0	Jun, 2023	0	0	1.01	Jul, 2023	0	6.14	3.52	Aug, 2023	0	0	0	Sep, 2023	0	0	0.830
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108.	All chemical pharma industry etc. should ensure predictive and preventive maintenance of factory/boiler and reactive show as to avoid incident of fire and safety hazards.	Noted Unit will ensure that the predictive and preventive maintenance of factory/boiler and reactive systems show as to avoid incidents of fire and safety hazards.																												
109.	EMP should include STP and detail cost including maintenance, transportation of wastewater to	Noted																												


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

	CETP/CMEE etc as well as transport cost or transit cost.	Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.
110.	In LDAR preventive & predictive maintenance plan.	As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. Attached in Point -3
111.	In LDAR leakage component , source of equipment leak, detention method should be given in table form.	As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as per the desired set point all are connected to the Hooter & DCS System. Hydrogen Detector System, Methanol Detector System, SO2 Detector System & Xylene Detector system. All are Directly connected with the DCS system.
112.	In storage component should be shown separately in terms whether inflammable, toxic,corrosive, reactive etc.	Complied
113.	In case of Fly ash generation its management and disposal should be as per Government of India Notification and 100% utilization should be ensured.	Noted. Unit has not generated any Fly ash within the premises.
114.	Project 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/TSDF/CHWIF/CMEE/Common Spray Dryer as the case may be.	Complied Unit has obtained the membership of common facilities like CETP/TSDF/CHWIF and same has been attached as an ANNEXURE-XIII


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

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. ANNEXURE-XIV									
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 01/05/2018 for pharmaceutical and Chemical industries mentioned at (Sr. no.XX)	Noted & Complied									
125.	The Project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of Half-yearly compliance report and to district collector. The Monitoring report shall be posted on the website of the project proponent.	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 border="1" data-bbox="841 1209 1611 1688"> <thead> <tr> <th>Name of Associated NGO</th> <th>Nature of Work</th> <th>Amount (Rs)</th> </tr> </thead> <tbody> <tr> <td>Sewa Rural</td> <td>Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School</td> <td>0.42 lacs-</td> </tr> <tr> <td>Self</td> <td>Greenbelt development opposite to Tatva Chintan Plant</td> <td>80 lacs</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs)	Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-	Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs
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126.	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before	Noted & will be complied Rain water harvesting tank with the capacity of 50 KL is provided for the Storage of RainWater for using the collected water during the monsoon. Area has been identified for the Rainwater harvesting									

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

	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.
133.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control	Complied

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

	<p>Board (GPCB), State Government and any statutory authority.</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>
<p>134.</p>	<p>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>	<p>Complied</p> <ol style="list-style-type: none"> 1. Unit has ensured no spillages during material transfer and garland drains have been constructed to avoid mixing of accidental spillages with domestic wastewater or stormwater. 2. For transfer of material to a tanker or tanker to a tank, a dyke wall has been made to prevent spillage and mixing with domestic & stormwater. 3. For the transfer of effluent to ETP, dedicated pits with automated pumps are present to prevent overflow. <p>photos of garland tank, dyke wall, dedicated pits with automated pumps</p> 

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

135.	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Complied Pucca flooring has been provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination. Photographs of the same are Given in Point no. 7.									
136.	Leakages from Pipes,pumps shall be minimal and if occurs shall be arrested promptly.	Complied Unit had the proper preventive maintenance plan and unit are doing on regularly basis to avoiding leakages, spillages etc									
137.	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Complied Unit has ensured to not take up any further expansion or modifications in the plant likely to cause environmental impacts without obtaining prior Environment Clearance from the concerned authority.									
138.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted. We will implement and follow all the rules and regulations under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules. ANNEXURE-XXI									
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 have been below <table border="1" data-bbox="841 1087 1611 1564"> <thead> <tr> <th>Name of Associated NGO</th> <th>Nature of Work</th> <th>Amount (Rs)</th> </tr> </thead> <tbody> <tr> <td>Sewa Rural</td> <td>Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School</td> <td>0.42 lacs-</td> </tr> <tr> <td>Self</td> <td>Greenbelt development opposite to Tatva Chintan Plant</td> <td>80 lacs</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs)	Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-	Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs
Name of Associated NGO	Nature of Work	Amount (Rs)									
Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-									
Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs									
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 Annexure-IX .									
141.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well	Complied									

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

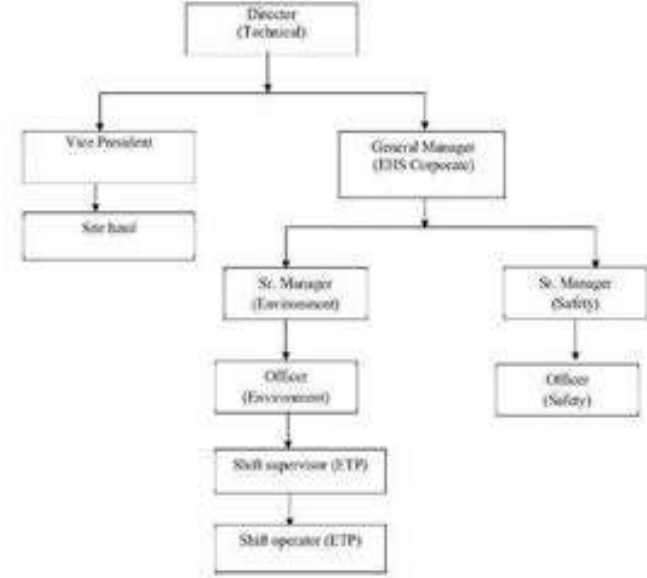
	as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	The Unit has provided adequate funds and has not diverted the funds provided to implement the conditions stipulated by SEIAA as well as GPCB. The unit has allocated funds towards expenses of operation for waste water treatment plant, environmental monitoring, auditing and Hazardous waste disposal.
142.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy of each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied The advertisement regarding the environmental clearance was given in the local newspapers and the copy of the same was submitted to the concerned regional office. The same has been attached in Annexure-XXII
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 Oct 2022 to March 2022 submitted on the date of 31st May, 2023.
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. Unit has received the EC to CTE for the Amendment in product Expansion.
149.	This environmental clearance is valid for Ten years from the date of issue.	Noted.

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

150.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
151.	Submission of any false or misleading information or data which is material to screening of scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted.

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

152.	Project proponent shall submit certified compliance report of IRO, gandhinagar for Existing EC obtained within 10 days.	Complied
153.	Project Proponent shall inform all the concerned authorities including Municipal Corporation and District Collector and shall give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.	Complied Attached Point no. 142.

154.	Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition full on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of Compliance. Any Change in key person shall immediately be informed to SEIAA and all concern authorities.	Complied Environment Management Unit/Cell is shown below: <div style="text-align: center;"> <p>FLOW DIAGRAM OF ENVIRONMENT MANAGEMENT CELL</p>  <pre> graph TD Director["Director (Technical)"] --> VP["Vice President"] Director --> GM["General Manager (EHS Corporate)"] VP --> SiteIncharge["Site In-charge"] GM --> SrMgrEnv["Sr. Manager (Environment)"] GM --> SrMgrSafety["Sr. Manager (Safety)"] SrMgrEnv --> OfficerEnv["Officer (Environment)"] SrMgrEnv --> StaffSup["Staff supervisor (ETP)"] SrMgrEnv --> StaffOp["Staff operator (ETP)"] SrMgrSafety --> OfficerSafety["Officer (Safety)"] </pre> </div>
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155.	Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MoEF&CC, GPCB and Nodal Department of the Government.	Complied Last half yearly compliance report for the period of Oct 2022 to March 2022 submitted on the date of 31st May, 2023.
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156.	The Nodal Department or any authority or officer authorized by MoEF&CC/SEIAA can inspect the site of	Noted.
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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II, Dahej, Dist. Bharuch

	the project and all the facilities, for verification of compliances of environment clearance conditions.	
157.	In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per environment protection Act, 1986 including SEIAA may cancel , withdraw or keep in abeyance, the Environment Clearance accorded.	Noted
158.	Any Person including the project proponent affected by this Environment clearance order may file appeal to Honorable National Green Tribunal West Zone Branch, Pune, Preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.	Noted
159.	All Complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagj@gmail.com & (b) seacgujarat@gmail.com	Noted

SR NO	TAG	TYPE	LOCATION	INST RANGE	CALIBRATION RANGE	CALIBRATION DATE	DUE DATE
1	H2-001	Hydrogen	QC LAB GAS BANK (Gnd Floor)	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
2	H2-002	Hydrogen	GC LAB	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
3	H2-003	Hydrogen	GC LAB	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
4	H2-004	Hydrogen	GCMS ROOM	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
5	H2-005	Hydrogen	General Lab	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
6	H2-006	Hydrogen	Inside R&D Lab (auto clave room)	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
7	O2-001	Oxygen(Inflation/Deflation)	GC ROOM	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
8	O2-002	Oxygen(Inflation/Deflation)	GCMS ROOM	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
9	O2-003	Oxygen(Inflation/Deflation)	General Lab	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
10	O2-004	Oxygen(Inflation/Deflation)	Inside R&D Lab (auto clave room)	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
11	O2-005	Oxygen(Depletion Type)	Duct -1 (Above Document Room)	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
12	O2-006	Oxygen(Depletion Type)	QC LAB DUCT 2	0-30 % Volume	15% Volume	12.08.2023	11.02.2024
13	NH3-001	Ammonia	Duct -1 (Above Document Room)	100 PPM	50 PPM	12.08.2023	11.02.2024
14	NH3-002	Ammonia	QC LAB DUCT 2	100 PPM	50 PPM	12.08.2023	11.02.2024
15	CO-001	Carbon Monoxide	Duct -1 (Above Document Room)	1000 PPM	500 PPM	12.08.2023	11.02.2024
16	CO-002	Carbon Monoxide	QC LAB DUCT 2	1000 PPM	500 PPM	12.08.2023	11.02.2024
17	H2S-001	Hydrogen sulphide	Duct -1 (Above Document Room)	100 PPM	50 PPM	12.08.2023	11.02.2024
18	H2S-002	Hydrogen sulphide	QC LAB DUCT 2	100 PPM	50 PPM	12.08.2023	11.02.2024
19	AT-1103	Hydrogen	H2 PRS Station -Gnd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
20	AT-1104	Hydrogen	2P0103 Top -Gnd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
21	AT-1106	Hydrogen	2V0105 Top- 2nd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
22	AT-1107	Hydrogen	2R0101 to 2E0101 Line - 3 rd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
23	AT-1109	Hydrogen	2V0110 Top- 3 rd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
24	AT-1110	Hydrogen	2E0104 Top -5 th Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
25	AT-1111	Hydrogen	Vent Header- 5 th floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
26	AT-1108	Methanol	2V0201 Top- 4 th Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
27	AT-1105	Methanol	2P0101 A Gnd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024

28	AT-1101	Methanol	2V0118 Methanol Storage Tank Gnd floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
29	AT-1102	Methanol	P-116A/B -Gnd floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
30	AT-1112	Methanol	2V0103 Top -2nd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
31	AT-1113	Methanol	On DCA XYLENE Tank	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
32	5-ANT-0104	So2 Gas	ABOVE 5-R-0101	0 to 20 PPM		11.08.2023	10.02.2024
33	5-ANT-0106	So2 Gas	AT BUFFER TANK 5V0106	0 to 20 PPM		11.08.2023	10.02.2024
34	5-ANT-0208	So2 Gas	ABOVE 5-R-0202	0 to 20 PPM		11.08.2023	10.02.2024
35	5-ANT-0107	So2 Gas	BESIDE 5-R-0101	0 to 20 PPM		11.08.2023	10.02.2024
36	5-ANT-0105	So2 Gas	BESIDE SPARGER TANK	0 to 20 PPM		11.08.2023	10.02.2024
37	5-ANT-0103	So2 Gas	ABOVE SPARGER TANK 5-A-0101	0 to 25 PPM		11.08.2023	10.02.2024
38	5-ANT-0108	So2 Gas	BETWEEN 5-R-0203& 5-R-0202	0 to 25 PPM		11.08.2023	10.02.2024
39	5-ANT-0109	So2 Gas	ABOVE SULFER MELTER	0 to 20 PPM		11.08.2023	10.02.2024
40	4-AT-0317	Xylene	CR PLANT 2nd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
41	4-AT-0318	Xylene	CR PLANT 1st Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
42	2-AT-0201	Methanol	RECOVERD MEOH		0-100% LEL	12.08.2023	11.02.2024
43	2-AT-0202	Methanol	RECOVERD MEOH		0-100% LEL	12.08.2023	11.02.2024
44	2-AT-0203	Methanol	2-V-0104 SAMPLE VALVE		0-100% LEL	12.08.2023	11.02.2024
45	9-AT-1001	ozone	OZONE GENERATER		0-10 ppm	12.08.2023	11.02.2024
46	9-AT-1002	ozone	OZONE GENERATER		0-10 ppm	12.08.2023	11.02.2024
47	9-AT-0904	Xylene	ETP PHENOL PLANT		0-100% LEL	11.08.2023	10.02.2024
48	9-AT-0905	Xylene	ETP PHENOL PLANT		0-100% LEL	11.08.2023	10.02.2024
49	ADMIN-01	Hydrogen	Admin Building UPS ROOM	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024

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 : April - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-001

Report Issue Date: 05/05/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	83	33	22.5	28.2
2	05/04/2023	86	34	19.2	24.7
3	12/04/2023	80	29	21.2	27.1
4	13/04/2023	84	30	24.5	26.1
5	17/04/2023	83	31	21.0	24.5
6	19/04/2023	81	29	25.2	27.6
7	24/04/2023	84	32	23.7	28.1
8	25/04/2023	78	26	22.5	26.4
Max.		86	34	25.2	28.2
Min.		78	26	19.2	24.5
98th Percentile		85.7	33.9	25.1	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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-002

Report Issue Date: 05/05/2023

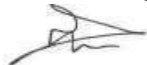
Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	75	28	20.8	24.2
2	05/04/2023	78	25	23.7	26.2
3	12/04/2023	82	31	22.1	27.5
4	13/04/2023	80	29	22.6	27.7
5	17/04/2023	76	26	24.0	27.4
6	19/04/2023	70	24	19.9	25.8
7	24/04/2023	76	25	19.0	25.0
8	25/04/2023	72	26	22.5	26.8
Max.		82	31	24.0	27.7
Min.		70	24	19.0	24.2
98th Percentile		81.7	30.7	24.0	27.7
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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-003

Report Issue Date: 05/05/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	72	29	22.2	27.8
2	05/04/2023	76	26	25.6	29.6
3	12/04/2023	67	24	19.3	25.4
4	13/04/2023	77	32	22.5	26.7
5	17/04/2023	82	28	22.6	25.4
6	19/04/2023	76	26	19.8	22.9
7	24/04/2023	72	23	21.2	23.5
8	25/04/2023	80	30	23.7	27.6
Max.		82	32	25.6	29.6
Min.		67	23	19.3	22.9
98th Percentile		81.7	31.7	25.3	29.3
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 : May - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-001

Report Issue Date: 05/05/2023


Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	78	28	18.2	23.3
2	03/05/2023	85	30	19.5	22.8
3	08/05/2023	82	27	17.2	23.3
4	09/05/2023	88	32	20.8	25.1
5	15/05/2023	75	26	16.7	20.3
6	16/05/2023	77	27	22.5	26.5
7	22/05/2023	79	29	19.1	23.4
8	23/05/2023	82	26	18.8	22.3
9	29/05/2023	84	30	20.3	25.3
10	30/05/2023	76	25	19.8	24.5
Max.		88	32	22.5	26.5
Min.		75	25	16.7	20.3
98th Percentile		87.5	31.6	22.2	26.3
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-002

Report Issue Date: 05/05/2023

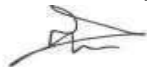
Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	82	30	19.9	25.2
2	03/05/2023	80	27	21.2	25.8
3	08/05/2023	86	31	18.5	23.6
4	09/05/2023	76	27	17.3	24.1
5	15/05/2023	78	29	19.1	23.2
6	16/05/2023	80	30	20.5	26.3
7	22/05/2023	75	22	21.3	24.8
8	23/05/2023	74	23	20.4	25.6
9	29/05/2023	78	26	22.5	27.3
10	30/05/2023	72	24	23.4	26.8
Max.		86	31	23.4	27.3
Min.		72	22	17.3	23.2
98th Percentile		85.3	30.8	23.2	27.2
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

Month : May - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-003

Report Issue Date: 05/05/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	75	24	16.8	20.5
2	03/05/2023	78	28	21.8	26.2
3	08/05/2023	72	23	18.9	23.1
4	09/05/2023	80	29	18.2	22.3
5	15/05/2023	76	25	20.2	24.1
6	16/05/2023	78	28	18.3	23.8
7	22/05/2023	82	23	22.5	27.1
8	23/05/2023	72	24	21.2	26.3
9	29/05/2023	80	32	19.2	24.1
10	30/05/2023	78	27	20.5	25.5
Max.		82	32	22.5	27.1
Min.		72	23	16.8	20.5
98th Percentile		81.6	31.5	22.4	27.0
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 : June - 2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/06/AIL-2/A-001	Report Issue Date: 05/07/2023
Location : AAQM-1 : Near Main Gate	Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	72	23	17.2	20.6
2	06/06/2023	74	23	20.3	21.6
3	12/06/2023	80	28	17.6	22.5
4	13/06/2023	76	25	16.5	20.8
5	19/06/2023	84	30	18.4	23.3
6	20/06/2023	75	23	19.2	24.8
7	26/06/2023	78	28	20.1	21.4
8	27/06/2023	80	26	16.8	22.7
Max.		84	30	20.3	24.8
Min.		72	23	16.5	20.6
98th Percentile		83.4	29.7	20.3	24.6
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.

<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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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 - 2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/06/AIL-2/A-002	Report Issue Date: 05/07/2023
Location : AAQM-2 : Near ETP Plant	Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	76	24	18.7	21.2
2	06/06/2023	68	25	16.3	19.4
3	12/06/2023	75	22	19.1	17.7
4	13/06/2023	69	27	18.4	21.5
5	19/06/2023	73	24	16.6	23.7
6	20/06/2023	77	23	17.2	19.4
7	26/06/2023	70	25	19.5	18.6
8	27/06/2023	72	27	16.4	22.5
Max.		77	27	19.5	23.7
Min.		68	22	16.3	17.7
98th Percentile		76.9	27.0	19.4	23.5
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.

<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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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 - 2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/06/AIL-2/A-003	Report Issue Date: 05/07/2023
Location : AAQM-3 : Near DCS PCC Control Room)	Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	83	30	18.3	24.4
2	06/06/2023	86	32	14.7	19.7
3	12/06/2023	78	29	16.3	21.4
4	13/06/2023	82	31	18.2	20.5
5	19/06/2023	74	33	15.8	18.6
6	20/06/2023	87	24	17.6	23.3
7	26/06/2023	84	28	16.1	22.8
8	27/06/2023	79	25	15.0	21.2
Max.		87	33	18.3	24.4
Min.		74	24	14.7	18.6
98th Percentile		86.9	32.9	18.3	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.

<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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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- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-001

Report Issue Date: 05/08/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/07/2023	76	24	20.8	24.4
2	05/07/2023	80	22	22.6	25.4
3	02/07/2023	72	24	19.8	22.9
4	13/07/2023	82	20	19.3	25.4
5	17/07/2023	76	23	23.7	27.6
6	18/07/2023	72	25	21.2	23.5
7	27/07/2023	74	24	22.5	26.7
8	28/07/2023	68	20	25.6	29.6
Max.		82	25	25.6	29.6
Min.		68	20	19.3	22.9
98th Percentile		81.7	24.9	25.3	29.3
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 : July- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-002

Report Issue Date: 05/08/2023

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/07/2023	75	28	22.2	26.4
2	05/07/2023	78	26	21.0	23.9
3	02/07/2023	72	33	25.2	27.6
4	13/07/2023	74	31	21.2	27.1
5	17/07/2023	81	29	22.9	26.4
6	18/07/2023	84	33	23.7	27.6
7	27/07/2023	80	34	24.5	26.1
8	28/07/2023	78	29	19.2	24.7
Max.		84	34	25.2	27.6
Min.		72	26	19.2	23.9
98th Percentile		83.6	33.9	25.1	27.6
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)

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- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-003

Report Issue Date: 05/08/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/07/2023	74	26	19.5	23.3
2	05/07/2023	72	26	24.0	27.4
3	02/07/2023	75	28	19.9	25.8
4	13/07/2023	76	26	22.1	27.5
5	17/07/2023	70	24	22.5	26.8
6	18/07/2023	76	27	19.0	25.0
7	27/07/2023	78	26	22.6	27.7
8	28/07/2023	75	24	23.7	26.2
Max.		78	28	24.0	27.7
Min.		70	24	19.0	23.3
98th Percentile		77.7	27.9	24.0	27.7
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 : August- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-001

Report Issue Date: 05/09/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/08/2023	68	24	11.7	20.6
2	03/08/2023	59	20	15.8	22.7
3	07/08/2023	62	22	16.9	20.8
4	08/08/2023	69	21	15.4	21.2
5	17/08/2023	63	18	18.2	23.4
6	18/08/2023	71	24	16.9	20.2
7	23/08/2023	72	20	15.4	19.1
8	24/08/2023	74	23	14.3	18.4
9	28/08/2023	59	18	16.2	22.3
10	29/08/2023	62	22	18.1	24.5
Max.		74	24	18.2	24.5
Min.		59	18	11.7	18.4
98th Percentile		73.6	24.0	18.2	24.3
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 : August- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-002

Report Issue Date: 05/09/2023

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/08/2023	70	25	13.2	18.1
2	03/08/2023	61	22	18.6	23.4
3	07/08/2023	60	20	15.7	21.2
4	08/08/2023	65	18	16.3	20.5
5	17/08/2023	69	20	17.8	21.3
6	18/08/2023	67	22	14.3	19.7
7	23/08/2023	70	18	16.1	21.3
8	24/08/2023	68	20	17.5	20.2
9	28/08/2023	61	19	15.8	19.5
10	29/08/2023	60	20	16.4	22.6
Max.		70	25	18.6	23.4
Min.		60	18	13.2	18.1
98th Percentile		70.0	24.5	18.5	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 : August- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-003

Report Issue Date: 05/09/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/08/2023	66	22	15.1	21.3
2	03/08/2023	57	17	16.4	20.2
3	07/08/2023	63	25	13.5	19.7
4	08/08/2023	58	16	15.9	22.4
5	17/08/2023	61	21	16.5	17.3
6	18/08/2023	63	18	13.6	17.1
7	23/08/2023	66	22	14.8	19.4
8	24/08/2023	70	21	15.2	21.5
9	28/08/2023	59	17	18.3	22.8
10	29/08/2023	63	25	14.7	18.0
Max.		70	25	18.3	22.8
Min.		57	16	13.5	17.1
98th Percentile		69.3	25.0	18.0	22.7
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-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-001

Report Issue Date: 05/10/2023


Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/09/2023	78	25	14.5	18.2
2	07/09/2023	66	21	13.5	21.2
3	14/09/2023	60	20	14.8	21.3
4	15/09/2023	70	25	18.3	19.5
5	19/09/2023	69	20	15.1	18.1
6	20/09/2023	61	19	16.4	23.4
7	25/09/2023	65	18	15.2	20.2
8	26/09/2023	70	25	16.2	20.1
Max.		78	25	18.3	23.4
Min.		60	18	13.5	18.1
98th Percentile		76.9	25.0	18.0	23.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-002

Report Issue Date: 05/10/2023

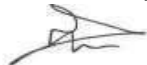
Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/09/2023	67	24	17.2	21.5
2	07/09/2023	59	23	16.9	20.8
3	14/09/2023	63	25	15.4	19.1
4	15/09/2023	66	22	16.2	22.3
5	19/09/2023	61	21	11.7	20.6
6	20/09/2023	57	17	15.8	22.7
7	25/09/2023	58	16	14.3	18.4
8	26/09/2023	66	20	18.8	23.2
Max.		67	25	18.8	23.2
Min.		57	16	11.7	18.4
98th Percentile		66.9	24.9	18.6	23.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-003

Report Issue Date: 05/10/2023


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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/09/2023	74	23	15.1	20.2
2	07/09/2023	65	19	15.7	19.7
3	14/09/2023	62	22	16.1	19.4
4	15/09/2023	68	24	15.8	22.8
5	19/09/2023	63	18	13.2	21.3
6	20/09/2023	59	18	18.6	20.2
7	25/09/2023	69	21	17.5	21.5
8	26/09/2023	72	23	15.5	21.6
Max.		74	24	18.6	22.8
Min.		59	18	13.2	19.4
98th Percentile		73.7	23.9	18.4	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)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-001	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-001	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/001
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm ³ /h	230.0


➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	25	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.5	**	GC Method

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

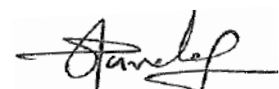
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-002	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-002	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/002
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	229.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.9	**	GC Method

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

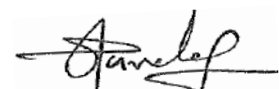
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-003	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-003	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/003
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	236.3

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	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/23/04/AIL-2/S-004	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-004	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/004
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	04/04/2022	Next Calibration Due On	05/05/2023

➤ **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.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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

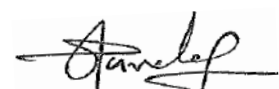
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-005	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-005	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/005
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	04/04/2022	Next Calibration Due On	05/05/2023

➤ **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.	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.

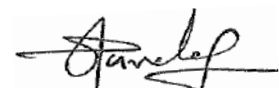
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-006	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-006	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/006
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	19/04/2023	Date of Testing	20/04/2023
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	23/04/2022	Next Calibration Due On	22/06/2023

➤ **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.	Oxides of Nitrogen (NOx)	mg/Nm ³	5.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

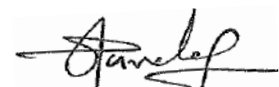
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-007	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-007	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/007
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	19/04/2023	Date of Testing	20/04/2023
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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 ₂)	mg/Nm ³	15.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	0.5	**	GC Method

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

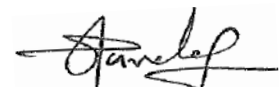
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-008	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-008	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/008
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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	40

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:2.0)	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/23/04/AIL-2/S-009	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-009	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/009
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	19/04/2023	Date of Testing	20/04/2023
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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

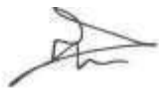
➤ **Test Parameter Results**

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

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

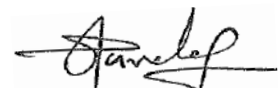
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-010	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-010	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/010
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	HNO3 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	23/04/2022	Next Calibration Due On	22/06/2023

➤ **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 (NOx)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

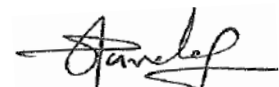
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-011	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-011	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/011
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	04/04/2022	Next Calibration Due On	05/05/2023

➤ **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	48


➤ **Test Parameter Results**

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

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

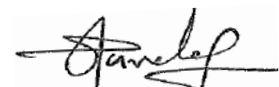
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-012	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-012	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/012
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank.		
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

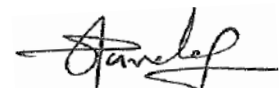
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-013	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-013	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/013
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	19/04/2023	Date of Testing	20/04/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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	38

➤ **Test Parameter Results**

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

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

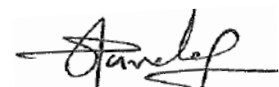
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-014	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-014	Service Request Date	19/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/014
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	19/04/2023	Date of Testing	20/04/2023
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	04/04/2022	Next Calibration Due on	05/05/2023

➤ **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

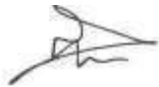
➤ **Test Parameter Results**

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

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

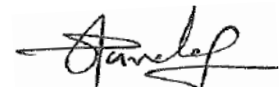
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-001	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-001	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/001
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	126
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	237.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

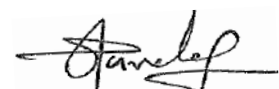
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-002	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-002	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/002
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm ³ /h	240.9

➤ **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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

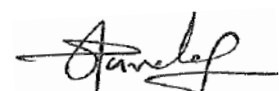
***** End of Report *****

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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-003	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-003	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/003
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	236.1

➤ **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 ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	27	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

Note: 1) ** 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/23/05/AIL-2/S-004	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-004	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/004
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	44

➤ **Test Parameter Results**

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

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

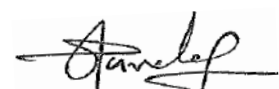
***** End of Report *****

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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-005	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-005	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/005
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	46

➤ **Test Parameter Results**

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

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

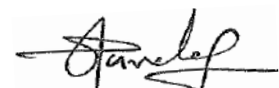
***** End of Report *****

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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-006	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-006	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/006
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	31/05/2023	Date of Testing	01/06/2023
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	23/05/2022	Next Calibration Due On	22/06/2023

➤ **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	42

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	2.1	25	IS: 11255 (Part 7): 2005 RA.2017

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

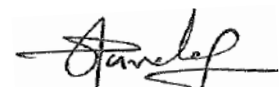
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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-007	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-007	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/007
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	31/05/2023	Date of Testing	01/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	50

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.1	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.2	**	GC Method

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

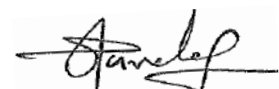
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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-008	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-008	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/008
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:2.0)	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/23/05/AIL-2/S-009	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-009	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/009
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	31/05/2023	Date of Testing	01/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	45

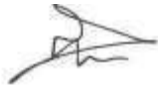
➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	1.5	**	GC Method

Note: 1) ** 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/23/05/AIL-2/S-010	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-010	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/010
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	HNO3 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	23/05/2022	Next Calibration Due On	22/06/2023

➤ **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.	Oxides of Nitrogen (NOx)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

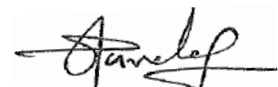
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-011	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-011	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/011
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	°C	50


➤ **Test Parameter Results**

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

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

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

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-012	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-012	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/012
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42


➤ **Test Parameter Results**

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

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

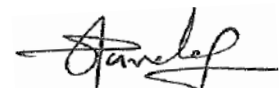
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-013	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-013	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/013
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	40

➤ **Test Parameter Results**

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

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

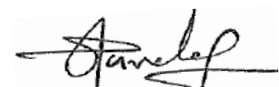
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-014	Report Issue Date	07/05/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-014	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/014
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	31/05/2023	Date of Testing	01/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

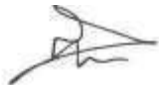
➤ **Test Parameter Results**

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

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


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

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-001	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/001
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	227.5

➤ **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 ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	34	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

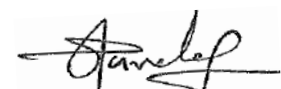
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-002	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-002	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/002
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	235


➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

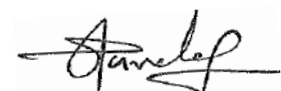
***** End of Report *****

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-003	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-003	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/003
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	10.5
7.	Exit Gas Flow	Nm ³ /h	223.4

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	32	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

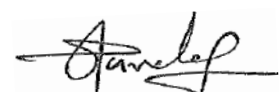
***** End of Report *****

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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-004	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-004	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/004
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

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

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

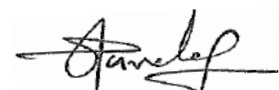
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-005	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/005
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	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/23/06/AIL-2/S-006	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-006	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/006
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	22/06/2023	Date of Testing	23/06/2023
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	23/06/2022	Next Calibration Due On	22/06/2023

➤ **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 (NOx)	mg/Nm ³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

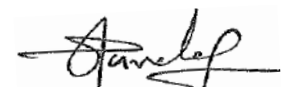
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-007	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-007	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/007
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	22/06/2023	Date of Testing	23/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	8.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.5	**	GC Method

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

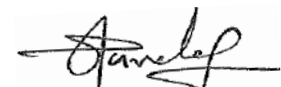
***** End of Report *****

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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-008	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-008	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/008
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	1.5	40	IS 11255 (Part 2)

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

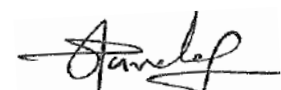
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-009	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-009	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/009
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	22/06/2023	Date of Testing	23/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

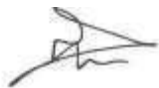
➤ **Test Parameter Results**

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

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

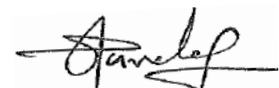
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-010	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-010	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/010
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	HNO3 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	23/06/2022	Next Calibration Due On	22/06/2023

➤ **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.	Oxides of Nitrogen (NOx)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

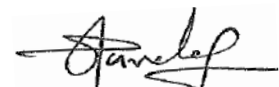
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-011	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-011	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/011
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	48

➤ **Test Parameter Results**

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

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

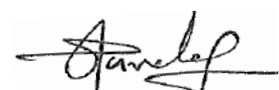
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-012	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-012	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/012
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

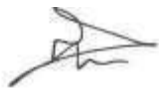
➤ **Test Parameter Results**

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

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

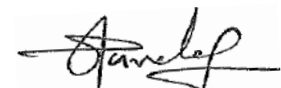
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-013	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-013	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/013
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	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	45

➤ **Test Parameter Results**

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

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


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

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-014	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-014	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/014
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	22/06/2023	Date of Testing	23/06/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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**

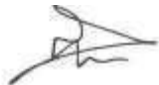
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.


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

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-001	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/001
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	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 ³ /h	234.0


➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.8	**	GC Method

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


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

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-002	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-002	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/002
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm ³ /h	229.4

➤ **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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	24	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	40	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

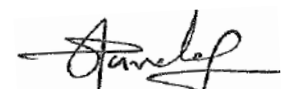
***** End of Report *****

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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-003	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-003	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/003
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	227.9


➤ **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 ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

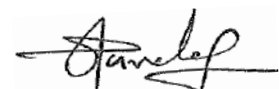
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-004	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-004	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/004
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42

➤ **Test Parameter Results**

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

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

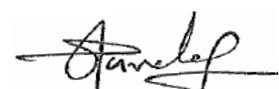
***** End of Report *****

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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-005	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-005	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/005
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	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.

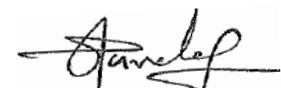
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-006	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-006	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/006
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	24/07/2023	Date of Testing	25/07/2023
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	23/06//2022	Next Calibration Due On	24/07/2023

➤ **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 (NOx)	mg/Nm ³	3.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

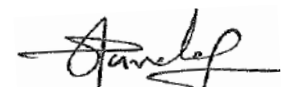
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-007	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-007	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/007
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	24/07/2023	Date of Testing	25/07/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	5.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.6	**	GC Method

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

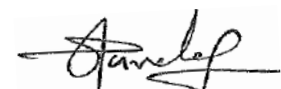
***** End of Report *****

Checked By:



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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-008	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-008	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/008
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	2.2	40	IS 11255 (Part 2)

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

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

Checked By:



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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-009	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-009	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/009
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	24/07/2023	Date of Testing	25/07/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

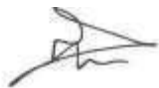
➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	1.2	**	GC Method

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

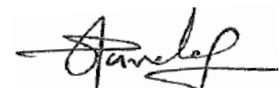
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-010	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-010	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/010
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	HNO ₃ Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06//2022	Next Calibration Due On	24/07/2023

➤ **General Stack Monitoring Observation**

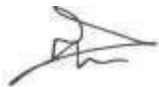
Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	46

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NO _x)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

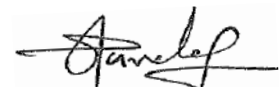
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-011	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-011	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/011
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	52

➤ **Test Parameter Results**

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

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

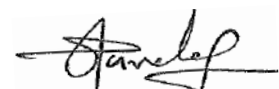
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-012	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-012	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/012
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	42


➤ **Test Parameter Results**

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

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

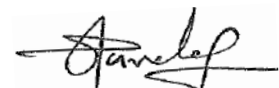
***** End of Report *****

Checked By:



Nikunj D. Patel
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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-013	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-013	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/013
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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


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

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07//AIL-2/S-014	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07//S-014	Service Request Date	24/07//2023
Sample ID No.	UERL/AIR/D/ID/S-23/07//014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07//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	24/07//2023	Date of Testing	25/07//2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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**

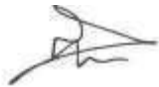
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-001	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-001	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/001
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	228.4

➤ **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 ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	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/23/08/AIL-2/S-002	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-002	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/002
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	238.1

➤ **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 ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

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

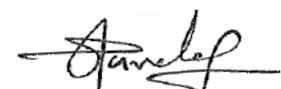
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-003	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-003	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/003
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm ³ /h	237.8

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

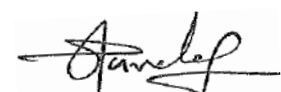
***** End of Report *****

Checked By:



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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-004	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-004	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/004
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	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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

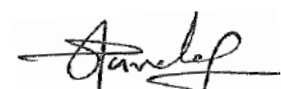
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-005	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-005	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	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.

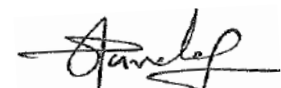
***** End of Report *****

Checked By:



Nikunj D. Patel
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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-006	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-006	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
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	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 (NO _x)	mg/Nm ³	2.1	25	IS: 11255 (Part 7): 2005 RA.2017

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

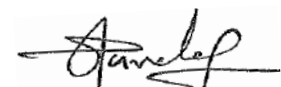
***** End of Report *****

Checked By:



Nikunj D. Patel
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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-007	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-007	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	4.3	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.8	**	GC Method

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

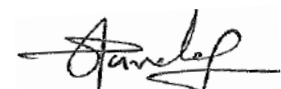
***** End of Report *****

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-008	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-008	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	2.3	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

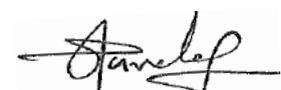
***** End of Report *****

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-009	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-009	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

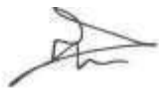
➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	1.5	**	GC Method

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

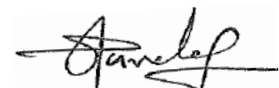
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-010	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-010	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	HNO3 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**

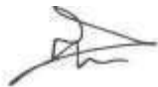
Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

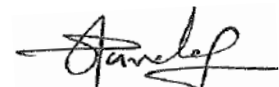
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-011	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-011	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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	52

➤ **Test Parameter Results**

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

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

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

Checked By:



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Authorized By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-012	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-012	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:



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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-013	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-013	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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

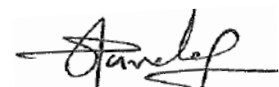
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/08/AIL-2/S-014	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-014	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/014
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	22/08/2023	Date of Testing	23/08/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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**

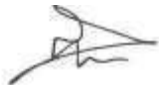
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.


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

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-001	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-001	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/001
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	238.9

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

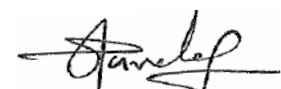
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-002	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-002	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/002
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.0
7.	Exit Gas Flow	Nm ³ /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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

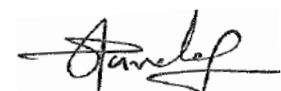
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-003	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-003	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/003
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	231.5

➤ **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 ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.9	**	GC Method

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

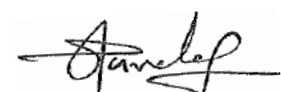
***** End of Report *****

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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-004	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-004	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

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

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

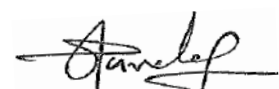
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-005	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-005	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/005
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

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

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

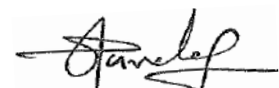
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-006	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-006	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
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	32
3.	Flue Gas Temperature	°C	50

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

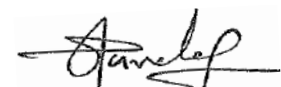
***** End of Report *****

Checked By:



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(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-007	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-007	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/007
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	21/09/2023	Date of Testing	22/09/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.2	**	GC Method

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

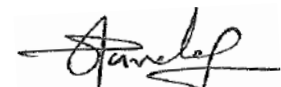
***** End of Report *****

Checked By:



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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-008	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-008	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/008
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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 ₂)	mg/Nm ³	3.2	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

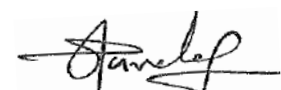
***** End of Report *****

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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-009	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-009	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/009
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	21/09/2023	Date of Testing	22/09/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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

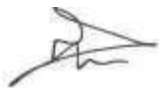
➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	3.6	**	GC Method

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

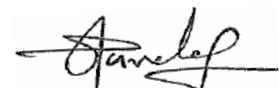
***** End of Report *****

Checked By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-010	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-010	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/010
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	HNO3 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**

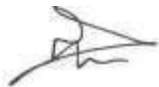
Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	42

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

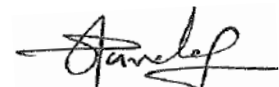
***** End of Report *****

Checked By:



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**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-011	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-011	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/011
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	52

➤ **Test Parameter Results**

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

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

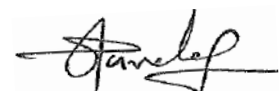
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-012	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-012	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/012
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Liquid SO3 & Oleum Tank.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

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

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/23/09/AIL-2/S-013	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-013	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/013
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	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	SAC And TAR Plant.		
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

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

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


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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-014	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-014	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
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	03/02/2023	Next Calibration Due on	02/02/2024

➤ **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**

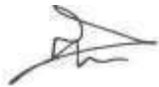
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

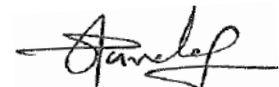
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)



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

E-mail : dyccebaroda@explosives.gov.in

Phone/Fax No : 0265 - 2225159

संख्यां /No. : P/WC/GJ/15/2712 (P423120)

दिनांक /Dated : 02/09/2022

सेवा में
/To,

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

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

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

महोदय
/Sir(s),

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

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

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

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

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

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

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

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

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

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

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પ્રતિ

મુખ્ય અધિકારી શ્રી
ભરૂચ નગરપાલિકા,
ભરૂચ.

ઇન્વર્ડ નં. ૨૮૬, તા. ૦૭/૧૧/૨૦૧૯

વિષય:- ગુજરાત ફાયર પ્રિવેન્શન એન્ડ લાઇફ 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 લાઇફ સેફ્ટી મેજર એક્ટ -૨૦૧૩ નાં જુડીસીઆર (૨૦૨૧) નાં
ઉલ્લેખિત નિયમો મુજબ અત્રેના ફાયર પ્રિવેન્શન અને પ્રોટેક્શન મુજબ નો અભિપ્રાય માંગેલ છે.

જેમા નીચેના કોષ્ટક મુજબ ની જોગવાઈ ઢોવી જરૂરી છે. તેમજ ઇનસ્ટોલ કર્યા બાદ
ચાલુ હાલતમાં ઢોવી જાઇએ.

અનુ નં	વિગત
૧	ફાયર ફાઇટિંગ સીસ્ટમ ઢોજ બોક્ષ ઢોજ રીલ સાથે પ્રીમઇસીસ એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ ઢોવુ જોઇએ
૨	એ.બી.સી. ૬.૦૦ કે.જી. ફાયર એક્ટીગ્યુઅંસ પ્રીમઇસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ ઢોવુ જોઇએ
૩	સી.ઓ.ટુ.ઠ.૫ કે.જી. ફાયર એક્ટીગ્યુઅંસ પ્રીમઇસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ ઢોવુ જોઇએ
૪	મેઇન ઇલેક્ટ્રીકલ ફાયર પંપ, જોડી પંપ અને ડીઝલ પંપ ઢોવો જોઇએ
૫	AFFF ફોમ સોલ્યુશન ૩૦૦૦ લીટર અને ફોમ મેકીંગ બાંચ ઢોવુ જોઇએ
૬	બી.એ.સેટ તેમજ ફાસ્ટેડ સીસ્ટમ ઢોવી જોઇએ.
૭	સોછામાં સોછી ૩ કલાક ફાયર ફાઇટીંગ થાઇ તે મુજબ ફાયર ફાઇટીંગ માટે પાણી ની સુવિધા ઢોવી જોઇએ.
૮	ફોર વે ફાયર બીગેડ ઇનવેન્ટ ઢોવુ જોઇએ
૯	ટૅક ફાર્મ એરીયા ની કરતે તેમજ પ્રોસેસ ઇમારત ની કરતે વોટર કમ ફોમ મોનીટર તેમજ ડી.વી.સી.સી.સી.સી. ઢોવુ જોઇએ.
૧૦	વેર હાઉસ એરીયા માં સ્પ્રીન્કલર ઢોવા જોઇએ
૧૧	એન્ટી તેમજ એક્ઝીટ અલગ અલગ ઢોવી જોઇએ.
૧૨	ફેક્ટરી એક્ટ મુજબ સુરક્ષા ના નિતી નિયમોનુ પાલન કરવા નુ રહેશે.
૧૩	વધુમાં સરકાર શ્રી તરફથી નિયમોમાં ફેરફાર કરવામાં આવે તો તેનુ સમયસર પાલન કરવાનુ રહેશે.

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

સંપૂર્ણ ફેક્ટરી માં ફાયર સેફ્ટી અને પ્રોટેક્શન ઇકવીપમેન્ટ કાયમી ઢોરણે ફીક્સ
લગાડયા બાદજ આપના તરફથી અમારા વિભાગને જાણ કર્યા બાદ ફાયર ફાઇટીંગ સુવિધા નુ
ઇન્સપેક્શન કર્યા બાદ એન.ઓ.સી.આપવા માં આવશે.

જાવકનં/અભિપ્રાય નં. ૨૫૧
તા. ૧૬/૧૧/૨૦૧૯



ડી.એચ. માખીવાની
ડીજનલ ફાયર ઓફીસર
સુરત

WE SERVE TO SAVE

પ્રતિ

મુખ્ય અધિકારી શ્રી
ભરૂચ નગરપાલિકા,
ભરૂચ.

ઇન્વર્ડ નં.૨૯૭, તા.૦૭/૧૧/૨૦૧૯

વિષય:- ગુજરાત ફાયર પ્રિવેન્શન એન્ડ લાઇફ સેફ્ટી મેઝર 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 લાઇફ સેફ્ટી મેઝર 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 જાઇએ.

અનુ નં	વિગત
૧	ફાયર હાઇડ્રન્ટ સીસ્ટમ હોઝ બોક્સ હોઝ રીલ સાથે પ્રીમઇસીસ એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઇએ
૨	એ.બી.સી. ૬.૦૦ કે.જી. ફાયર એક્સ્ટિંગ્યુઇશન પ્રીમઇસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઇએ
૩	સી.ઓ.ટુ.ટી.પી કે.જી. ફાયર એક્સ્ટિંગ્યુઇશન પ્રીમઇસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઇએ
૪	મેઇન ઇલેક્ટ્રીકલ ફાયર પંપ, જોડી પંપ અને ડીઝલ પંપ હોવો જોઇએ
૫	AFFF ફોમ સોલ્યુશન ૩૦૦૦ લીટર અને ફોમ મેકીંગ બાચ હોવું જોઇએ
૬	બી.એ.સેટ તેમજ કાસકેડ સીસ્ટમ હોવી જોઇએ.
૭	ઓછામાં ઓછી ૩ કલાક ફાયર ફાઇટીંગ કાચ તે મુજબ ફાયર ફાઇટીંગ માટે પાણી ની સુવિધા હોવી જોઇએ.
૮	ફોર વે ફાયર બીગેડ ઇનલેટ હોવું જોઇએ
૯	ટેક ફાર્મ એરીયા ની ફરતે તેમજ પ્રોસેસ ઇમારત ની ફરતે વોટર કમ ફોમ મોનીટર તેમજ ડી.વી.સી.સી.સી.સી.સી.સી. હોવું જોઇએ.
૧૦	વેટ હાઉસ એરીયા માં સ્પ્રીન્કલર હોવા જોઇએ
૧૧	એન્ટી તેમજ એકઝીટ અલગ અલગ હોવી જોઇએ.
૧૨	ફેક્ટરી એક્ટ મુજબ સુરક્ષા ના નિતી નિયમોનુ પાલન કરવા નુ રહેશે.
૧૩	વધુમાં સરકાર શ્રી તરફથી નિયમોમાં ફેરફાર કરવામાં આવે તો તેનુ સમયસર પાલન કરવાનુ રહેશે.

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

સંપૂર્ણ ફેક્ટરી માં ફાયર સેફ્ટી અને પ્રોટેક્શન ઇકવીપમેન્ટ કાચમી ઘોરણે ફીક્સ લગાડવા બાદ આપના તરફથી અમારા વિભાગને જાણ કર્યા બાદ ફાયર ફાઇટીંગ સુવિધા નુ ઇન્સપેક્શન કર્યા બાદ એન.ઓ.સી.આપવા માં આવશે.

જાવકનં/અભિપ્રાય નં. ૨૪૫૨
તા. ૧/૧૧/૨૦૧૯

ડી.એચ. માળીવાની
રીજનલ ફાયર ઓફીસર
સુરત



**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-001	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-001	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/001
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm ³ /h	230.0


➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	25	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.5	**	GC Method

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

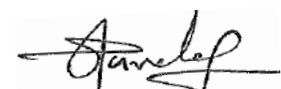
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-002	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-002	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/002
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	229.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.9	**	GC Method

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

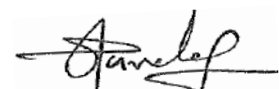
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/04/AIL-2/S-003	Report Issue Date	05/05/2023
Service Request form No.	UERL/AIR/D/SRF/04/S-003	Service Request Date	20/04/2023
Sample ID No.	UERL/AIR/D/ID/S-23/04/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/003
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	20/04/2023	Date of Testing	21/04/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	236.3

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	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/23/05/AIL-2/S-001	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-001	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/001
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	126
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	237.0


➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

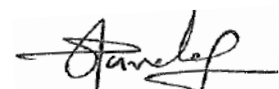
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-002	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-002	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/002
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm ³ /h	240.9

➤ **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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

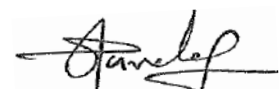
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/05/AIL-2/S-003	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-003	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/003
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	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	236.1

➤ **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 ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	27	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

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

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

Checked By:



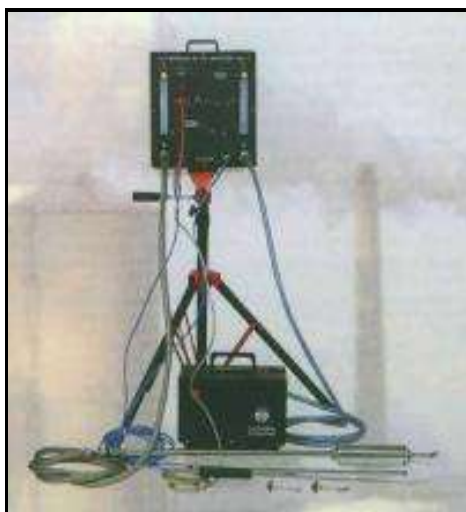
Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

2.0 STACK MONITORING REPORT



Period: June - 2023

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,
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MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (SI.03.2023 to 2229.2024)

QC/NABET Accredited EA & CW
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-001	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/001
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	227.5

➤ **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 ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	34	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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


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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-002	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-002	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/002
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	235


➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

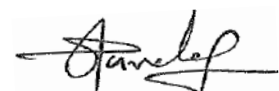
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/06/AIL-2/S-003	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-003	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/003
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	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	10.5
7.	Exit Gas Flow	Nm ³ /h	223.4

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	32	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-001	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/001
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	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 ³ /h	234.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.8	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Javik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-002	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-002	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/002
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm ³ /h	229.4

➤ **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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	24	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	40	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	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/23/07/AIL-2/S-003	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-003	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/003
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	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	227.9

➤ **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 ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	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/23/07/AIL-2/S-001	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/001
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	228.4

➤ **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 ³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	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/23/07/AIL-2/S-002	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-002	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/002
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	238.1

➤ **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 ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

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

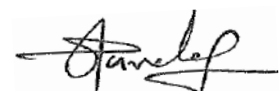
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/07/AIL-2/S-003	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-003	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/003
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm ³ /h	237.8

➤ **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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-001	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-001	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/001
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	238.9

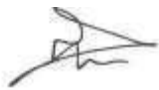
➤ **Test Parameter Results**

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 ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

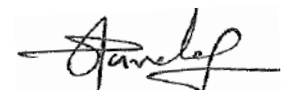
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-002	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-002	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/002
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.0
7.	Exit Gas Flow	Nm ³ /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 ³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

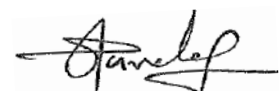
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/09/AIL-2/S-003	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-003	Service Request Date	22/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/003
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	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 ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	231.5

➤ **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 ³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.9	**	GC Method

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

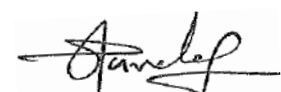
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

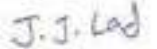
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-001

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 19/04/2023

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/m³)	Handy Sampler	01	0.15	0.15	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

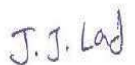
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 19/04/2023

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/23/04/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 19/04/2023

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)

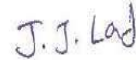
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 20/04/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

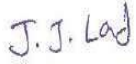
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 20/04/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	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)

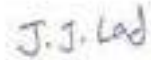
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/04/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 20/04/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

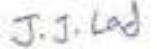
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 31/05/2023

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/m³)	Handy Sampler	01	0.18	0.18	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

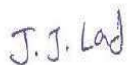
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 31/05/2023

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)

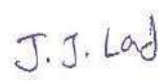
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 19/05/2023

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)

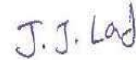
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 31/05/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

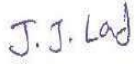
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-005

1. **Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
2. **Name of the Department / Plant:** - DCP Plant
3. **Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Aniline, Sulphuric Acid,
2) Product- Dichloro Phenol.
4. **Particulars of sampling:** - Work Place Monitoring.
5. **Date of Monitoring:** - 31/05/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	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)

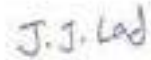
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-006

- 1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- 2. Name of the Department / Plant:** - ETP Plant.
- 3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.
- 4. Particulars of sampling:** - Work Place Monitoring.
- 5. Date of Monitoring:** - 31/05/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

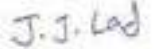
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 22/06/2023

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/m³)	Handy Sampler	01	0.15	0.15	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

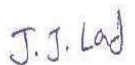
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/06/2023

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/23/06/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/06/2023

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)

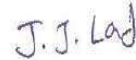
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/06/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

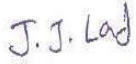
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/06/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	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)

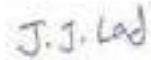
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/06/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

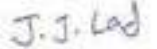
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 22/06/2023

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/m³)	Handy Sampler	01	0.15	0.15	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

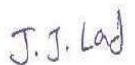
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/06/2023

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/23/06/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/06/2023

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)

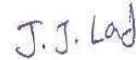
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/06/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

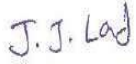
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/06/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	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)

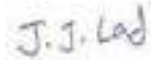
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/06/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

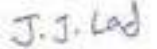
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 24/07/2023

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/m³)	Handy Sampler	01	0.12	0.12	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

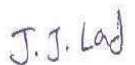
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/07/2023

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/23/07/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/07/2023

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)

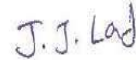
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/07/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

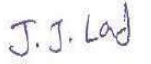
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/07/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.055	0.055	5 mg/m³	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)

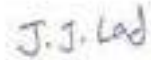
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 24/07/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

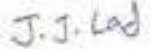
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 22/08/2023

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/m³)	Handy Sampler	01	0.13	0.13	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

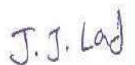
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/08/2023

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/23/08/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/08/2023

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)

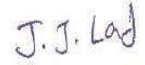
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/08/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

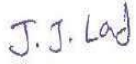
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/08/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.055	0.055	5 mg/m³	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)

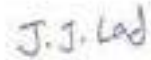
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-006

- 1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- 2. Name of the Department / Plant:** - ETP Plant.
- 3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.
- 4. Particulars of sampling:** - Work Place Monitoring.
- 5. Date of Monitoring:** - 23/08/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

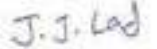
(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 21/09/2023

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/m³)	Handy Sampler	01	0.15	0.15	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

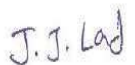
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 21/09/2023

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)

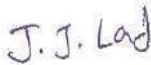
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 22/09/2023

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)

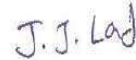
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/09/2023

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 nd 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.		JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.**Authorized By:****Jaivik S. Tandel**

(Manager - Operations)

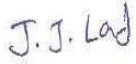
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/09/2023

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 st 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/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.055	0.055	5 mg/m³	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)

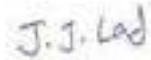
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
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:** - 23/09/2023

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 (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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)

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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-001

Report Issue Date: 05/05/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	83	33	22.5	28.2
2	05/04/2023	86	34	19.2	24.7
3	12/04/2023	80	29	21.2	27.1
4	13/04/2023	84	30	24.5	26.1
5	17/04/2023	83	31	21.0	24.5
6	19/04/2023	81	29	25.2	27.6
7	24/04/2023	84	32	23.7	28.1
8	25/04/2023	78	26	22.5	26.4
Max.		86	34	25.2	28.2
Min.		78	26	19.2	24.5
98th Percentile		85.7	33.9	25.1	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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-002

Report Issue Date: 05/05/2023

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	75	28	20.8	24.2
2	05/04/2023	78	25	23.7	26.2
3	12/04/2023	82	31	22.1	27.5
4	13/04/2023	80	29	22.6	27.7
5	17/04/2023	76	26	24.0	27.4
6	19/04/2023	70	24	19.9	25.8
7	24/04/2023	76	25	19.0	25.0
8	25/04/2023	72	26	22.5	26.8
Max.		82	31	24.0	27.7
Min.		70	24	19.0	24.2
98th Percentile		81.7	30.7	24.0	27.7
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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-003

Report Issue Date: 05/05/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	72	29	22.2	27.8
2	05/04/2023	76	26	25.6	29.6
3	12/04/2023	67	24	19.3	25.4
4	13/04/2023	77	32	22.5	26.7
5	17/04/2023	82	28	22.6	25.4
6	19/04/2023	76	26	19.8	22.9
7	24/04/2023	72	23	21.2	23.5
8	25/04/2023	80	30	23.7	27.6
Max.		82	32	25.6	29.6
Min.		67	23	19.3	22.9
98th Percentile		81.7	31.7	25.3	29.3
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 : May - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-001

Report Issue Date: 05/05/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	78	28	18.2	23.3
2	03/05/2023	85	30	19.5	22.8
3	08/05/2023	82	27	17.2	23.3
4	09/05/2023	88	32	20.8	25.1
5	15/05/2023	75	26	16.7	20.3
6	16/05/2023	77	27	22.5	26.5
7	22/05/2023	79	29	19.1	23.4
8	23/05/2023	82	26	18.8	22.3
9	29/05/2023	84	30	20.3	25.3
10	30/05/2023	76	25	19.8	24.5
Max.		88	32	22.5	26.5
Min.		75	25	16.7	20.3
98th Percentile		87.5	31.6	22.2	26.3
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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 - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-002

Report Issue Date: 05/05/2023

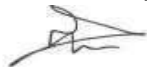
Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	82	30	19.9	25.2
2	03/05/2023	80	27	21.2	25.8
3	08/05/2023	86	31	18.5	23.6
4	09/05/2023	76	27	17.3	24.1
5	15/05/2023	78	29	19.1	23.2
6	16/05/2023	80	30	20.5	26.3
7	22/05/2023	75	22	21.3	24.8
8	23/05/2023	74	23	20.4	25.6
9	29/05/2023	78	26	22.5	27.3
10	30/05/2023	72	24	23.4	26.8
Max.		86	31	23.4	27.3
Min.		72	22	17.3	23.2
98th Percentile		85.3	30.8	23.2	27.2
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

Month : May - 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-003

Report Issue Date: 05/05/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	75	24	16.8	20.5
2	03/05/2023	78	28	21.8	26.2
3	08/05/2023	72	23	18.9	23.1
4	09/05/2023	80	29	18.2	22.3
5	15/05/2023	76	25	20.2	24.1
6	16/05/2023	78	28	18.3	23.8
7	22/05/2023	82	23	22.5	27.1
8	23/05/2023	72	24	21.2	26.3
9	29/05/2023	80	32	19.2	24.1
10	30/05/2023	78	27	20.5	25.5
Max.		82	32	22.5	27.1
Min.		72	23	16.8	20.5
98th Percentile		81.6	31.5	22.4	27.0
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 : June - 2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/06/AIL-2/A-001	Report Issue Date: 05/07/2023
Location : AAQM-1 : Near Main Gate	Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	72	23	17.2	20.6
2	06/06/2023	74	23	20.3	21.6
3	12/06/2023	80	28	17.6	22.5
4	13/06/2023	76	25	16.5	20.8
5	19/06/2023	84	30	18.4	23.3
6	20/06/2023	75	23	19.2	24.8
7	26/06/2023	78	28	20.1	21.4
8	27/06/2023	80	26	16.8	22.7
Max.		84	30	20.3	24.8
Min.		72	23	16.5	20.6
98th Percentile		83.4	29.7	20.3	24.6
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.

<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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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 - 2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/06/AIL-2/A-002	Report Issue Date: 05/07/2023
Location : AAQM-2 : Near ETP Plant	Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	76	24	18.7	21.2
2	06/06/2023	68	25	16.3	19.4
3	12/06/2023	75	22	19.1	17.7
4	13/06/2023	69	27	18.4	21.5
5	19/06/2023	73	24	16.6	23.7
6	20/06/2023	77	23	17.2	19.4
7	26/06/2023	70	25	19.5	18.6
8	27/06/2023	72	27	16.4	22.5
Max.		77	27	19.5	23.7
Min.		68	22	16.3	17.7
98th Percentile		76.9	27.0	19.4	23.5
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.

<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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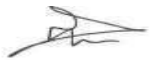

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

Month : June - 2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/06/AIL-2/A-003	Report Issue Date: 05/07/2023
Location : AAQM-3 : Near DCS PCC Control Room)	Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	83	30	18.3	24.4
2	06/06/2023	86	32	14.7	19.7
3	12/06/2023	78	29	16.3	21.4
4	13/06/2023	82	31	18.2	20.5
5	19/06/2023	74	33	15.8	18.6
6	20/06/2023	87	24	17.6	23.3
7	26/06/2023	84	28	16.1	22.8
8	27/06/2023	79	25	15.0	21.2
Max.		87	33	18.3	24.4
Min.		74	24	14.7	18.6
98th Percentile		86.9	32.9	18.3	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.

<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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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- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-001

Report Issue Date: 05/08/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³ IS:5182 (Part-23)	PM _{2.5} µg/m ³ IS:5182 (Part-24)	SOx µg/m ³ IS:5182 (Part-2)	NOx µg/m ³ IS:5182 (Part-6)
1	04/07/2023	76	24	20.8	24.4
2	05/07/2023	80	22	22.6	25.4
3	02/07/2023	72	24	19.8	22.9
4	13/07/2023	82	20	19.3	25.4
5	17/07/2023	76	23	23.7	27.6
6	18/07/2023	72	25	21.2	23.5
7	27/07/2023	74	24	22.5	26.7
8	28/07/2023	68	20	25.6	29.6
Max.		82	25	25.6	29.6
Min.		68	20	19.3	22.9
98th Percentile		81.7	24.9	25.3	29.3
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 : July- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-002

Report Issue Date: 05/08/2023

Location : AAQM-2 : Near ETP Plant

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

Parameter with Results

Sr. No.	Date of Monitoring	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/07/2023	75	28	22.2	26.4
2	05/07/2023	78	26	21.0	23.9
3	02/07/2023	72	33	25.2	27.6
4	13/07/2023	74	31	21.2	27.1
5	17/07/2023	81	29	22.9	26.4
6	18/07/2023	84	33	23.7	27.6
7	27/07/2023	80	34	24.5	26.1
8	28/07/2023	78	29	19.2	24.7
Max.		84	34	25.2	27.6
Min.		72	26	19.2	23.9
98th Percentile		83.6	33.9	25.1	27.6
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)

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- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-003

Report Issue Date: 05/08/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³ IS:5182 (Part-23)	PM _{2.5} µg/m ³ IS:5182 (Part-24)	SOx µg/m ³ IS:5182 (Part-2)	NOx µg/m ³ IS:5182 (Part-6)
1	04/07/2023	74	26	19.5	23.3
2	05/07/2023	72	26	24.0	27.4
3	02/07/2023	75	28	19.9	25.8
4	13/07/2023	76	26	22.1	27.5
5	17/07/2023	70	24	22.5	26.8
6	18/07/2023	76	27	19.0	25.0
7	27/07/2023	78	26	22.6	27.7
8	28/07/2023	75	24	23.7	26.2
Max.		78	28	24.0	27.7
Min.		70	24	19.0	23.3
98th Percentile		77.7	27.9	24.0	27.7
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 : August- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-001

Report Issue Date: 05/09/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/08/2023	68	24	11.7	20.6
2	03/08/2023	59	20	15.8	22.7
3	07/08/2023	62	22	16.9	20.8
4	08/08/2023	69	21	15.4	21.2
5	17/08/2023	63	18	18.2	23.4
6	18/08/2023	71	24	16.9	20.2
7	23/08/2023	72	20	15.4	19.1
8	24/08/2023	74	23	14.3	18.4
9	28/08/2023	59	18	16.2	22.3
10	29/08/2023	62	22	18.1	24.5
Max.		74	24	18.2	24.5
Min.		59	18	11.7	18.4
98th Percentile		73.6	24.0	18.2	24.3
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 : August- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-002

Report Issue Date: 05/09/2023

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/08/2023	70	25	13.2	18.1
2	03/08/2023	61	22	18.6	23.4
3	07/08/2023	60	20	15.7	21.2
4	08/08/2023	65	18	16.3	20.5
5	17/08/2023	69	20	17.8	21.3
6	18/08/2023	67	22	14.3	19.7
7	23/08/2023	70	18	16.1	21.3
8	24/08/2023	68	20	17.5	20.2
9	28/08/2023	61	19	15.8	19.5
10	29/08/2023	60	20	16.4	22.6
Max.		70	25	18.6	23.4
Min.		60	18	13.2	18.1
98th Percentile		70.0	24.5	18.5	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 : August- 2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-003

Report Issue Date: 05/09/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/08/2023	66	22	15.1	21.3
2	03/08/2023	57	17	16.4	20.2
3	07/08/2023	63	25	13.5	19.7
4	08/08/2023	58	16	15.9	22.4
5	17/08/2023	61	21	16.5	17.3
6	18/08/2023	63	18	13.6	17.1
7	23/08/2023	66	22	14.8	19.4
8	24/08/2023	70	21	15.2	21.5
9	28/08/2023	59	17	18.3	22.8
10	29/08/2023	63	25	14.7	18.0
Max.		70	25	18.3	22.8
Min.		57	16	13.5	17.1
98th Percentile		69.3	25.0	18.0	22.7
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-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-001

Report Issue Date: 05/10/2023


Location : AAQM-1 : Near Main Gate

Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
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4	15/09/2023	70	25	18.3	19.5
5	19/09/2023	69	20	15.1	18.1
6	20/09/2023	61	19	16.4	23.4
7	25/09/2023	65	18	15.2	20.2
8	26/09/2023	70	25	16.2	20.1
Max.		78	25	18.3	23.4
Min.		60	18	13.5	18.1
98th Percentile		76.9	25.0	18.0	23.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

NOTE:1).Ambient Air Monitoring carried out for 24 hours time period , 2). **NAAQMS:** National Ambient Air Quality Monitoring Standard.3) **RDS:** Respirable Dust Sampler & 4) **FPS:** Fine Particulate Dust Sampler.

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
 Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
 By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-002

Report Issue Date: 05/10/2023

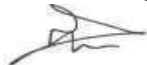
Location : AAQM-2 : Near ETP Plant

Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
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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-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-003

Report Issue Date: 05/10/2023

Location : AAQM-3 : Near DCS PCC Control Room)

Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

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Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Compliance of EMP Conditions

Sr. No.	Conditions	Compliance
Construction Phase		
i	Site Preparation	
1	Uplift of dust during the excavation, leveling operations etc. Control Measure: Sprinkling of water over land, and provision of enclosure.	Complied Regular sprinkling of water over land, and provision of enclosure done for dust reduction in workplace
ii	Sanitization	
1	Sanitization facilities. Control Measure: Sewage will be sent to soak pit.	Complied Sewage water is now treated in the STP plant.
iii	Noise	
1	Movement of vehicles like truck, Dozer, Cranes. Control Measure: Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles will be maintained in well condition	Complied Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles are maintained in well condition
2	Construction activity. Control Measure: Engineering control, Provide noise protection devices like earmuffs, ear plug to worker, Rotation of work to minimize exposure.	Complied Engineering control, noise protection devices like earmuffs, ear plug to worker, Rotation of work are provided to minimize exposure.
iv	Wastes from construction equipment	
1	Dozer, Cranes Control Measures: Avoid spillage, proper storage, disposal by selling to reprocessor.	Complied Unit has avoided spillage, proper storage, disposal by selling to reprocessor.
2	Painting Control Measures: Proper storage, disposal by selling to authorized buyers/incineration.	Complied Unit has properly stored and disposed to authorized buyers/incineration.
3	Construction. Control Measures: Use for leveling purpose within premises	Complied Use has used leveling purpose for filling of low lying area.
Operation Phase		
A.	Air Environment	
1	Flue Gas Emissions: Unit shall provide acoustic enclosure and adequate stack height for D.G Set	Complied Unit has provided acoustic enclosure and adequate stack height for D.G Set
2	Process Gas Emissions: Unit shall provide APCM and adequate stack height for control of process gaseous emissions	Complied. Unit has provided a scrubber system and adequate stack height to all process gas emissions.
3		
B.	Water Environment	
1	Water Consumption The total water consumption of the proposed new unit will be 1429 KL/day. Out of the total water of 1429 KLD, fresh water will be 1253 KLD (Domestic requirement will be 47 KLD and industrial requirement will be 1262 KLD).	Agreed Unit will ensure, the permitted water consumption value will not be 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.	Noise Environment	

1	Transportation activities Control Measures: a. Green belt, Restriction on transportation between 08 p.m. to 9 a.m., Maintain vehicle in good condition.	Agreed Unit had initiate the development of the green belt area. already unit is restricting on transportation between 08 p.m. to 9 a.m.,and maintaining vehicle in good condition.
2	D.G. Set Control Measures: a. Acoustic enclose, Engineering control, b. Provision of PPE, Green belt,	Complied Provided acoustic enclose, Engineering control in D. G. Set for preventing noise pollution
3	Plant/Process area	
D.	Land Environment	
1	Development of greenbelt comprising of appropriately selected species of shrubs and trees. It is recommended that plantation be made on sites, road sides, around waste treatment units.	Complied Green belt developed with appropriate species of shrubs and trees like Gulmohar, Neem and Pelta Farm. Plantation is done on site, road sides, around waste treatment units.
E.	Raw Material and Product Storage Area	
1	Raw materials will be stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags,etc in sepeerate storage room	Complied Raw materials are stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags,etc in sepeerate storage room for first phase production will do the same in next phases
2	Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved	Complied Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved for first phase production will do the same in next phases
3	Hazardous flammable substances are separately stored within premises. Solvent transfer will be done by pumps. Reactor & solvent handling pump have mechanical seal	Complied Hazardous flammable substances are separately stored within premises. Solvent transfer is done by pumps. Reactor & solvent handling pump which have mechanical seal for first phase production will do the same in next phases
4	The acid tanks will be provided with dyke wall to control spread of leakages.	Complied The acid tanks are provided with dyke wall to control spread of leakages for first phase production will do the same in next phases
F.	Vehicular Pollution Control	
1	All vehicles will be maintained in well condition by regular preventive maintenance to reduce the exhaust level.	Complied All vehicles are maintained in well condition by regular preventive maintenance to reduce the exhaust level. Spark arrestor is used for all vehicles entering the site.
2	Drivers of all vehicles used in the transportation will be trained in transportation of Hazardous chemicals to prevent any accident. Fitness and training test certificate approved by R.T.O to be maintained on the vehicle at all times to ensure transport worthiness.	Complied Unit has developed a checklist which is checked by the security personnel at the entry of material gate. The checklist consists of all the mentioned points which is attached as
G.	Safety Measures to Prevent the Occupational Health Hazards	
1	All reasonably practical measures will be adopted by the unit to minimize the risk of accidents within a chemical manufacturing unit	Complied All reasonable practical measures like: a. Work specified PPEs b. Safety Showers c. Fire extinguishers d. Hydrant tank with circulated networks e. DG Sets etc. are provided to minimize the risk of accidents.
2	All building plans and installations will be as per relevant laws and will be approved by competent authority	Agreed & Complied Unit has considered to construct Green Buildings which will be approved by the competent authority

3	Suitable personnel protective equipments and fire extinguishers at strategic locations and suitable personal protective equipments will be provided	Complied Unit has provided PPEs and Fire Extinguishers at Strategic Locations.
4	Training will be imparted to all workers for all the hazardous process operations within the plant and will be supervised by experienced supervisors	Complied Trainings have been for all workers who deal with hazardous process operations within the plant
5	Flame proof electrical fittings, flame arrestors etc will be installed	Complied Unit has provided Flame proof electric fittings, flame arrestors etc.
6	All the raw materials will be stored in designated storage area equipped with necessary safety features	Complied All the raw materials have been stored in the RM Warehouse and which is equipped with specific safety features.
7	Periodic inspection & testing of pressure vessels, equipments, and machineries will be done.	Complied Regular preventive maintenance and periodic inspection of machines is done by the Unit for first phase of 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 and 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.
H.	Storm Water Management	
1	The drains for storm water will be kept clean and dry in summer and winter. The storm water drains will be connected to holding tank. The rain water of the premises will be collected in this holding tank through storm water drains. The collected water will be analyzed for any contamination of pollutants for 1st and 2nd rain during monsoon. If analysis indicates any contamination, the collected water will be diverted to ETP plant. In case of no contamination, the collected water will be used in cooling tower and other applications.	Agreed and will comply.
I.	Energy Conservation Programme	1. Unit has planned to consider the solar panels on the roofs of admin and security buildings. 2. Unit will ensure the Preventive Maintenance of equipments which may cause excess energy expenditure.

j.	Water Conservation Programme	<p>Agreed and will comply</p> <p>Unit has provided ETP and will provide RO & MEE to recycle water which will result in reduction of freshwater consumption.</p> <p>Unit has started the STP operation and sweage water are treated in STP Plant we will reuse the treated water from STP to the gardening purpose.</p> <p>Unit will ensure to provide Stormwater reservior to reuse</p>
K.	Management of Traffic	
	<p>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.</p>	<p>Complied</p> <p>Unit has provided wide two-way RCC roads for managment of traffic. Proper parking space will be provided for loading and unloading products.</p>
L.	Social Welfare measures for Future Planning	
1	<p>Providing materials and monetary aid to schools, primary health centers, hospitals, sports, clubs and places of worship.</p>	<p>Complied</p> <p>CER & CSR activity has been done by the unit.</p>



Directorate Industrial Safety & Health

Directorate Industrial Safety & Health

FORM NO. 4
Gujarat State
(Prescribed under Rule 5)

FORM NO. 4
License to work a factory
(Prescribed under Rule 5)

Registration No. 1540/2417/2020

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 DIFWOLKAR
KANTLA
Date: 2023.11.06 11:22:12 IST
Reason: Approval
Location: Bharuch

Deputy Director
Industrial Safety and Health
Bharuch

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/04/AIL-2/N-001	Date of Report:	05/05/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 20/04/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
				75 dB (A)	70 dB (A)
1.	Near ETP Area	65.5	51.8	75 dB (A)	70 dB (A)
2.	New D.G. Set	72.5	55.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	65.1	52.3	75 dB (A)	70 dB (A)
4.	Near DCA Plant	67.2	54.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	66.6	53.4	75 dB (A)	70 dB (A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

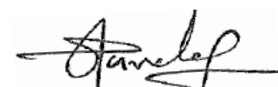
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/05/AIL-2/N-001	Date of Report:	07/06/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 31/05/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
				75 dB (A)	70 dB (A)
1.	Near ETP Area	66.2	49.5	75 dB (A)	70 dB (A)
2.	New D.G. Set	71.9	56.1	75 dB (A)	70 dB (A)
3.	Near Main Gate	64.3	53.6	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.1	52.4	75 dB (A)	70 dB (A)
5.	Near Material Gate	65.2	54.3	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

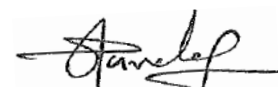
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/06/AIL-2/N-001	Date of Report:	07/07/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 20/06/2023

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	67.8	52.5	75 dB (A)	70 dB (A)
2.	New D.G. Set	72.5	54.5	75 dB (A)	70 dB (A)
3.	Near Main Gate	73.4	54.2	75 dB (A)	70 dB (A)
4.	Near DCA Plant	67.3	55.6	75 dB (A)	70 dB (A)
5.	Near Material Gate	66.2	53.8	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

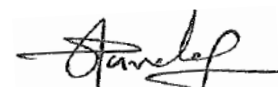
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/07/AIL-2/N-001	Date of Report:	05/08/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 24/07/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	68.5	51.6	75 dB (A)	70 dB (A)
2.	New D.G. Set	73.2	53.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	67.5	55.4	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.2	56.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	67.1	55.1	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)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/08/AIL-2/N-001	Date of Report:	05/09/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 22/08/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	63.9	53.4	75 dB (A)	70 dB (A)
2.	New D.G. Set	71.6	55.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	72.5	53.1	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.1	66.3	75 dB (A)	70 dB (A)
5.	Near Material Gate	67.2	54.5	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

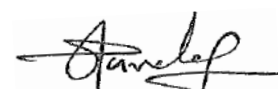
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/09/AIL-2/N-001	Date of Report:	05/10/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 21/09/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	65.2	52.3	75 dB (A)	70 dB (A)
2.	New D.G. Set	69.2	54.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	70.5	55.4	75 dB (A)	70 dB (A)
4.	Near DCA Plant	67.2	62.4	75 dB (A)	70 dB (A)
5.	Near Material Gate	66.5	51.5	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)



Certificate

Certificate No.: 1200004040

To Whomsoever it may concern

This is to certify that

AARTI INDUSTRIES LIMITED

PLOT NO. Z/103/C
GIDC ESTATE DAHEJ SEZ-II
TAL: VAGRA

BHARUCH
is a valid member of

SAURASHTRA ENVIRO PROJECTS PVT. LTD.

for

Integrated Common Incineration Facility

This membership is valid for a period of

5 Years

Date of Issue : 17.09.2020

Date of Expiration : 16.09.2025

Place of Issue : Surat

For, Saurashtra Enviro Projects Pvt. Ltd.

Director

SUBJECT TO SURAT JURISDICTION



BEIL INFRASTRUCTURE LIMITED
(Formerly Known As Bharuch Enviro Infrastructure Limited)

04th SEPTEMBER, 2020

To,
AARTI INDUSTRIES LTD. (DAHEJ UNIT II)
PLOT NO.Z/103/C,
DAHEJ SEZ II,
TA-VAGRA, DIST-BHARUCH.

Sub: Membership Certificate for Common Incineration Facility


Dear Sir,

You are a member of our Common Incinerator Facility and your membership No. is **CI/BD/97**. We hereby certify that your booked quantity has increased from **10 MT/Year** to **60 MT/Year**.

Thanking you,

Yours faithfully,

For, BEIL Infrastructure Limited
(Formerly Known as Bharuch Enviro Infrastructure Ltd)


AUTHORISED SIGNATORY



BEIL INFRASTRUCTURE LIMITED
(Formerly Known As Bharuch Enviro Infrastructure Limited)

REF: BEIL/ANK/2022

12th JULY, 2022

To,
AARTI INDUSTRIES LTD. (DIAMOND DIVISION - 58381)
PLOT NO. Z/103/C,
DAHEJ SEZ II,
TA-VAGRA, DIST-BHARUCH,
DAHEJ.

Sub: Membership Certificate for Common Solid Waste Disposal Facility

Dear Sir,

We hereby certify that you have become member of the common Solid/Hazardous Waste Disposal Facility developed by For, BEIL INFRASTRUCTURE LIMITED (Formerly Known as Bharuch Enviro Infrastructure Ltd)., at GIDC, DAHEJ. You have booked solid waste quantity **1500 MT/ Year** (Original Booked Quantity **100 MT** + Increased Quantity **1400 MT**). Your Membership No. is **OTH/841**.

- 1) Total TSDF Capacity of BEIL Dahej: 1900000 MT**
- 2) Total Consented Capacity: 1900000 MT**
- 3) Total Occupied Capacity: 887848.468 MT**
- 4) Spare Capacity: 1012151.532 MT**

Thanking you,

Yours faithfully,

For, BEIL Infrastructure Limited
(Formerly Known as Bharuch Enviro Infrastructure Ltd)

AUTHORISED SIGNATORY

Certificate



Certificate No : 4100009271

To whomsoever it may concern
This is to certify that

AARTI INDUSTRIES LTD UNIT 2

PLOT NO Z/103/C
DAHEJ SEZ II, LAKHIGAM. TAL-VAGRA BHARUCH
DAHEJ
Gujarat

Is a valid member of

Recycling Solutions Private Limited Unit-II

for Alternate Fuel Resource Facility.

This membership is valid for a period of
10 Years

For, Recycling Solutions Private Limited Unit-II

Date of issue : 02.06.2020

Date of expiration : 01.06.2030

Place of issue : SURAT

Director/Authorised signatory

Waste Information

SrNo	Type Of Waste	Sign Qty(TPA)	SrNo	Type Of Waste	Sign Qty(TPA)
1	DISTILLATION RESIDUE.	4,200.00 0			0.000
Total Sign Qty (TPA)					4,200.000

SUBJECT TO JURISDICTION

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
કુનિપર પારેક
ઓધોગિક સલામતી અને સ્વાસ્થ્ય
ભરૂચ



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
1	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/01	OUT SIDE	974	OK
2	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/02	OUT SIDE	6111	OK
3	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/03	OUT SIDE	6135	OK
4	ABC	09 KG	OHC	OHC/04	OUT SIDE	1091	OK
5	ABC	09 KG	MCC BUILDING - G/F	MCC/GF/05	CABLE ROOM	6104	OK
6	ABC	09 KG	MCC BUILDING - G/F	MCC/GF/06	CABLE ROOM	6208	OK
7	ABC	09 KG	MCC BUILDING - F/F	MCC/FF/07	PENAL ROOM	2023	OK
8	ABC	09 KG	MCC BUILDING - F/F	MCC/FF/08	PENAL ROOM	6196	OK
9	ABC	09 KG	MCC BUILDING - S/F	MCC/SF/09	PENAL ROOM	6144	OK
10	ABC	09 KG	MCC BUILDING - S/F	MCC/SF/10	PENAL ROOM	6177	OK
11	ABC	09 KG	MCC BUILDING - T/F	MCC/TF/11	QC R & D LAB	6103	OK
12	ABC	09 KG	DCA PLANT	DCA/GF/12	GROUND FLOOR	00975	OK
13	ABC	09 KG	DCA PLANT	DCA/GF/13	GROUND FLOOR	2043	OK
14	ABC	09 KG	DCA PLANT	DCA/FF/14	FIRST FLOOR	00975	OK
15	ABC	09 KG	DCA PLANT	DCA/FF/15	FIRST FLOOR	6187	OK
16	ABC	09 KG	DCA PLANT	DCA/SF/16	SECOND FLOOR	01084	OK
17	ABC	09 KG	DCA PLANT	DCA/SF/17	SECOND FLOOR	5330	OK
18	ABC	09 KG	DCA PLANT	DCA/TF/18	THIRD FLOOR	6123	OK
19	ABC	09 KG	DCA PLANT	DCA/TF/19	THIRD FLOOR	N/A	OK
20	ABC	09 KG	DCA PLANT	DCA/4TH/20	FORTH FLOOR	1087	OK
21	ABC	09 KG	DCA PLANT	DCA/4TH/21	FORTH FLOOR	06154	OK
22	ABC	09 KG	DCA PLANT	DCA/5TH/22	FIFTH FLOOR	2019	OK
23	ABC	09 KG	DCA PLANT	DCA/5TH/23	FIFTH FLOOR	2032	OK
24	ABC	09 KG	DCA PLANT	DCA/6TH/24	SIXTH FLOOR	06117	OK
25	ABC	09 KG	METHANOL TANK	METH.TANK/25	METHANOL TANK	06166	OK
26	ABC	09 KG	METHANOL TANK	METH.TANK/26	METHANOL TANK	6116	OK
27	ABC	09 KG	ETP C/R	ETP/CR/GF/27	RM STORE OUTSIDE	2028	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
28	ABC	09 KG	ETP C/R	ETP/CR/SF/28	SECOND FLOOR	2025	OK
29	ABC	09 KG	ETP - 2	ETP-02/GF/29	GROUND FLOOR	1083	OK
30	ABC	09 KG	ETP - 2	ETP-02/GF/30	GROUND FLOOR	01085	OK
31	ABC	06 KG	ETP - 2	ETP-02/FF/31	FIRST FLOOR	8870	OK
32	ABC	09 KG	DCP PLANT	DCP/GF/32	GROUND FLOOR	06147	OK
33	ABC	09 KG	DCP PLANT	DCP/GF/33	GROUND FLOOR	06127	OK
34	ABC	09 KG	DCP PLANT	DCP/GF/34	GROUND FLOOR	06160	OK
35	ABC	09 KG	DCP PLANT	DCP/GF/35	GROUND FLOOR	06181	OK
36	ABC	09 KG	DCP PLANT	DCP/GF/36	GROUND FLOOR	N/A	OK
37	ABC	09 KG	DCP PLANT	DCP/GF/37	GROUND FLOOR	06114	OK
38	ABC	09 KG	DCP PLANT	DCP/FF/38	FIRST FLOOR	06108	OK
39	ABC	09 KG	DCP PLANT	DCP/FF/39	FIRST FLOOR	06105	OK
40	ABC	09 KG	DCP PLANT	DCP/FF/40	FIRST FLOOR	2033	OK
41	ABC	09 KG	DCP PLANT	DCP/FF/41	FIRST FLOOR	6137	OK
42	ABC	09 KG	DCP PLANT	DCP/FF/42	FIRST FLOOR	42	OK
43	ABC	09 KG	DCP PLANT	DCP/FF/43	FIRST FLOOR	N/A	OK
44	ABC	09 KG	DCP PLANT	DCP/SF/44	SECOND FLOOR	06139	OK
45	ABC	09 KG	DCP PLANT	DCP/SF/45	SECOND FLOOR	06179	OK
46	ABC	09 KG	DCP PLANT	DCP/SF/46	SECOND FLOOR	06161	OK
47	ABC	09 KG	DCP PLANT	DCP/SF/47	SECOND FLOOR	06230	OK
48	ABC	09 KG	DCP PLANT	DCP/SF/48	SECOND FLOOR	06157	OK
49	ABC	09 KG	DCP PLANT	DCP/SF/49	SECOND FLOOR	06182	OK
50	ABC	09 KG	DCP PLANT	DCP/TF/50	THIRD FLOOR	06131	OK
51	ABC	09 KG	DCP PLANT	DCP/TF/51	THIRD FLOOR	6142	OK
52	ABC	09 KG	DCP PLANT	DCP/TF/52	THIRD FLOOR	N/A	OK
53	ABC	09 KG	DCP PLANT	DCP/TF/53	THIRD FLOOR	06126	OK
54	ABC	09 KG	DCP PLANT	DCP/TF/54	THIRD FLOOR	06214	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
55	ABC	09 KG	DCP PLANT	DCP/TF/55	THIRD FLOOR	06124	OK
56	ABC	06 KG	SAC PLANT	SAC/GF/56	GROUND FLOOR	06165	OK
57	ABC	09 KG	SAC PLANT	SAC/GF/57	GROUND FLOOR	00973	OK
58	ABC	09 KG	SAC PLANT	SAC/FF/58	FIRST FLOOR		OK
59	ABC	09 KG	SAC PLANT	SAC/FF/59	FIRST FLOOR	6178	OK
60	ABC	09 KG	SAC PLANT	SAC/SF/60	SECOND FLOOR	968	OK
61	ABC	09 KG	SAC PLANT	SAC/SF/61	SECOND FLOOR	6216	OK
62	ABC	09 KG	SAC PLANT	SAC/TF/62	THIRD FLOOR	06197	OK
63	ABC	09 KG	SAC PLANT	SAC/TF/63	THIRD FLOOR	06134	OK
64	ABC	09 KG	SAC PLANT	SAC/4TH/64	FOURTH FLOOR	06109	OK
65	ABC	09 KG	SAC PLANT	SAC/4TH/65	FOURTH FLOOR	00970	OK
66	ABC	09 KG	CR PLANT	CR/GF/66	GROUND FLOOR	06211	OK
67	ABC	09 KG	CR PLANT	CR/GF/67	GROUND FLOOR	06199	OK
68	ABC	09 KG	CR PLANT	CR/GF/68	GROUND FLOOR	06120	OK
69	ABC	09 KG	CR PLANT	CR/FF/70	FIRST FLOOR	06194	OK
70	ABC	09 KG	CR PLANT	CR/FF/71	FIRST FLOOR	06195	OK
71	ABC	09 KG	CR PLANT	CR/SF/72	SECOND FLOOR	06170	OK
72	ABC	09 KG	CR PLANT	CR/SF/73	SECOND FLOOR	06112	OK
73	ABC	09 KG	TANK FARM -02	T.FARM-02/74	WEST SIDE	06694	OK
74	ABC	09 KG	TANK FARM -02	T.FARM-02/75	WEST SIDE	06121	OK
75	ABC	09 KG	TANK FARM -02	T.FARM-02/76	NORTH SIDE	06158	OK
76	ABC	09 KG	SECURITY BUILDING-02	SEC.02/80	OUT SIDE	6225	OK
77	ABC	09 KG	SECURITY BUILDING-02	SEC.02/81	OUT SIDE	6110	OK
78	ABC	09 KG	SECURITY BUILDING-02	SEC.02/82	OUT SIDE	6226	OK
79	ABC	09 KG	ISO MCC	ISO.MCC/83	PANEL ROOM	02040	OK
80	ABC	09 KG	TANK FARM - 01	T.FARM-01/90	SOUTH SIDE	06171	OK
81	ABC	09 KG	TANK FARM - 01	T.FARM-01/91	SOUTH SIDE	06148	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
82	ABC	09 KG	TANK FARM - 01	T.FARM-01/92	SOUTH SIDE	06102	OK
83	ABC	09 KG	TANK FARM - 01	T.FARM-01/93	SOUTH SIDE	01089	OK
84	ABC	09 KG	TANK FARM - 01	T.FARM-01/94	WEST SIDE	06115	OK
85	ABC	09 KG	TANK FARM - 01	T.FARM-01/95	WEST SIDE	06169	OK
86	ABC	09 KG	TANK FARM - 01	T.FARM-01/96	WEST SIDE	06150	OK
87	ABC	09 KG	TANK FARM - 01	T.FARM-01/97	NORTH SIDE	06228	OK
88	ABC	09 KG	TANK FARM - 01	T.FARM-01/98	NORTH SIDE	06113	OK
89	ABC	09 KG	TANK FARM - 01	T.FARM-01/99	NORTH SIDE	06132	OK
90	ABC	09 KG	TANK FARM - 01	T.FARM-01/100	NORTH SIDE	6175	OK
91	ABC	09 KG	TANK FARM - 01	T.FARM-01/101	EAST SIDE	06133	OK
92	ABC	09 KG	TANK FARM - 01	T.FARM-01/102	EAST SIDE	06140	OK
93	ABC	09 KG	NSA TANK FARM	NSA T.FARM/103	NORTH SIDE	06145	OK
94	ABC	09 KG	NSA TANK FARM	NSA T.FARM/104	NORTH SIDE	06172	OK
95	ABC	09 KG	SULFUR YARD	SULFUR YARD/105	SOUTH SIDE	06201	OK
96	ABC	09 KG	SULFUR YARD	SULFUR YARD/106	SOUTH SIDE	06188	OK
97	ABC	09 KG	NSA PLANT	NSA/GF/107	GROUND FLOOR	06156	OK
98	ABC	09 KG	NSA PLANT	NSA/GF/108	GROUND FLOOR	06198	OK
99	ABC	09 KG	NSA PLANT	NSA/GF/109	GROUND FLOOR	06159	OK
100	ABC	09 KG	NSA PLANT	NSA/GF/110	GROUND FLOOR	06232	OK
101	ABC	09 KG	NSA PLANT	NSA/GF/111	GROUND FLOOR	06209	OK
102	ABC	09 KG	NSA PLANT	NSA/FF/112	FIRST FLOOR	6163	OK
103	ABC	09 KG	NSA PLANT	NSA/FF/113	FIRST FLOOR	06118	OK
104	ABC	09 KG	NSA PLANT	NSA/FF/114	FIRST FLOOR	06128	OK
105	ABC	09 KG	NSA PLANT	NSA/FF/115	FIRST FLOOR	06107	OK
106	ABC	09 KG	ETP - 01	ETP-01/GF/116	GROUND FLOOR	INVISIBLE	OK
107	ABC	09 KG	PHENOL BUILDING	ETP/PHE/GF/120	GROUND FLOOR	INVISIBLE	OK
108	ABC	09 KG	PHENOL BUILDING	ETP/PHE/FF/121	FIRST FLOOR	INVISIBLE	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
109	ABC	09 KG	PHENOL BUILDING	ETP/PHE/SF/122	SECOND FLOOR	INVISIBLE	OK
110	ABC	09 KG	HT ROOM	HT ROOM/GF/123	GROUND FLOOR	06207	OK
111	ABC	09 KG	HT ROOM	HT ROOM/GF/124	GROUND FLOOR	06223	OK
112	ABC	09 KG	HT ROOM	HT ROOM/FF/125	FIRST FLOOR	06152	OK
113	ABC	09 KG	HT ROOM	HT ROOM/FF/126	FIRST FLOOR	06206	OK
114	ABC	75 KG	MCC.DG AREA	MCC.DG/GF/127	OUTSIDE	00101	OK
115	ABC	75 KG	MCC.TRANS AREA	MCC.TR/GF/128	OUTSIDE	00102	OK
116	ABC	09 KG	MCC BUILDING	MCC TERRACE/129	TERRACE AREA	06166	OK
117	CLEAN AGENT	04 KG	CATALYST ROOM	CATALYST ROOM-132	GROUND FLOOR	00378	OK
118	CLEAN AGENT	04 KG	CATALYST ROOM	CATALYST ROOM-133	GROUND FLOOR	00380	OK
119	ABC	09 KG	COOLING TOWER	COOLING TOWER/134	GROUND FLOOR	06151	OK
120	ABC	09 KG	COOLING TOWER	COOLING TOWER/135	GROUND FLOOR	INVISIBLE	OK
121	ABC	09 KG	MCC BUILDING - T/F	GC/LAB/136	THIRD FLOOR	06155	OK
122	ABC	09 KG	MCC BUILDING - T/F	S.C. ROOM/LAB/137	THIRD FLOOR	06222	OK
123	ABC	09 KG	MCC BUILDING - T/F	WASHING AREA LAB/138	THIRD FLOOR	06153	OK
124	ABC	09 KG	MCC BUILDING - T/F	WET LAB/139	THIRD FLOOR	INVISIBLE	OK
125	ABC	09 KG	MCC BUILDING - T/F	WET LAB/140	THIRD FLOOR	06215	OK
126	ABC	09 KG	MCC BUILDING - T/F	MCC/GF/141	GROUND FLOOR	06167	OK
127	ABC	09 KG	MCC BUILDING - T/F	QC LAB/142	THIRD FLOOR	06191	OK
128	ABC	09 KG	MEE PLANT	MEE/GF/143	GROUND FLOOR	06219	OK
129	ABC	09 KG	MEE PLANT	MEE/GF/144	GROUND FLOOR	INVISIBLE	OK
130	ABC	09 KG	PHENOL BUILDING	ETP/PHE/GF/145	GROUND FLOOR	06212	OK
131	ABC	09 KG	MCC BUILDING	MCC TERRACE/146	TERRACE AREA	6180	OK
132	ABC	09 KG	INSTRUMENT WAREHOUSE	INST.WH/147	GROUND FLOOR	06231	OK
133	ABC	06 KG	SAC PLANT	SAC/GF/148	GROUND FLOOR	08887	OK
134	ABC	06 KG	SAC PLANT	SAC/FF/149	FIRST FLOOR	36258	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
135	ABC	06 KG	SAC PLANT	SAC/SF/150	SECOND FLOOR	5331	OK
136	ABC	09 KG	SAC PLANT	SAC/TF/151	THIRD FLOOR	1086	OK
137	ABC	06 KG	SAC PLANT	SAC/4TH/152	FORTH FLOOR	8878	OK
138	DCP	75 KG	FIRE TENDER	FT/153	LOCKER NO - 03	00009	OK
139	DCP	75 KG	FIRE TENDER	FT/154	LOCKER NO - 04	00011	OK
140	ABC	06 KG	DCP	DCP/GF/155	DCP/EAST SIDE	06184	OK
141	ABC	09 KG	ETP-1	ETP1/GF/158	GROUND FLOOR	6205	OK
142	ABC	09 KG	ADMIN	ADMIN/FF/159	SOUTH SIDE	2024	OK
143	ABC	09 KG	ADMIN	ADMIN/FF/160	SOUTH SIDE	2039	OK
144	ABC	09 KG	ADMIN	ADMIN/FF/161	SOUTH SIDE	2030	OK
145	ABC	09 KG	ADMIN	ADMIN/FF/162	NORTH SIDE	1092	OK
146	ABC	09 KG	ADMIN	ADMIN/FF/163	NORTH SIDE	2027	OK
147	ABC	09 KG	ADMIN	ADMIN/TERRACE/164	NORTH SIDE	2026	OK
148	ABC	09 KG	ADMIN	ADMIN/TERRACE/165	NORTH SIDE	2037	OK
149	ABC	09 KG	MCC BUILDING	MCC/LIFT/166	SOUTH SIDE	2029	OK
150	CLEAN AGENT	04 KG	ADMIN	ADMIN/SF/01	NORTH SIDE	00372	OK
151	CLEAN AGENT	04 KG	ADMIN	ADMIN/SF/02	SOUTH SIDE	00371	OK
152	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/03	SOUTH SIDE	00374	OK
153	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/04	SOUTH SIDE	00377	OK
154	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/05	SOUTH SIDE	00373	OK
155	ABC	06 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 172	IN SIDE	05330	OK
156	ABC	09 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 173	IN SIDE	07655	OK
157	ABC	06 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 174	IN SIDE	36227	OK
158	ABC	06 KG	ADMIN	MECH.STORE/175	MECH.STORE	08884	OK



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
159	ABC	06 KG	ADMIN	MECH.STORE/176	MECH.STORE	08885	OK
160	ABC	06 KG	ADMIN	MECH.STORE/177	MECH.STORE	08875	OK
161	ABC	06 KG	ADMIN	MECH.STORE/178	MECH.STORE	8876	OK
162	ABC	06 KG	ADMIN	MECH.STORE/179	MECH.STORE	8873	OK
163	ABC	06 KG	ADMIN	MECH.STORE/180	MECH.STORE	8877	OK
164	ABC	06 KG	ADMIN	INST.W.S/181	INST.W.S	8872	OK
165	ABC	09 KG	NOM.M.W	NOM.M.W/182	ETP-01 BACK SIDE	6200	OK
166	ABC	09 KG	NEW T .W.SHOP	NTW.SHOP/183	NTW.SHOP	6144	OK
167	ABC	06 KG	JACCON.W.SHOP	JACCON.W.SHOP/184	JACCON.W.SHOP	8874	OK
168	ABC	06 KG	VISHAL . W. SHOP	VISHAL.W.SHOP/185	VISHAL.W.SHOP	8886	OK
169	ABC	09 KG	ETP - 02	ETP-02/SF/186	SECOND FLOOR	INVISIBLE	OK
170	NOVEC 1230		ADMIN - IT SERVAR ROOM	IT SARVAR ROOM / 187	SECOND FLOOR	-----	
171	NOVEC 1230		ADMIN - IT SERVAR ROOM	IT SARVAR ROOM / 188	SECOND FLOOR	-----	

SR. NO.	TYPE OF FIRE EXTINGUISHER	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG	CYLINDER CONDITION (OK/NOT OK)
1	CO2	9 KG	HT ROOM	HT ROOM/GF/01	GROUND FLOOR	00984	YES	OK
2	CO2	9 KG	HT ROOM	HT ROOM/GF/02	GROUND FLOOR	00986	YES	OK
3	CO2	9 KG	HT ROOM	HT ROOM/FF/03	FIRST FLOOR	00335	YES	OK
4	CO2	9 KG	HT ROOM	HT ROOM/FF/04	FIRST FLOOR	00333	YES	OK
5	CO2	9 KG	MCC BUILDING	MCC.DG/GF/08	DG SET AREA	00338	YES	OK
6	CO2	9 kG	MCC BUILDING	MCC.DG/GF/09	DG SET AREA	00981	YES	OK
7	CO2	9 kG	MCC BUILDING	MCC.DG/GF/10	DG SET AREA	00340	YES	OK
8	CO2	9 KG	MCC BUILDING	MCC/GF/11	GROUND FLOOR CABLE CELLAR ROOM	00979	YES	OK
9	CO2	9 KG	MCC BUILDING	MCC/GF/12	GROUND FLOOR CABLE CELLAR ROOM	00977	YES	OK
10	CO2	9 KG	MCC BUILDING	MCC/FF/13	FIRST FLOOR PENAL ROOM	00978	YES	OK
11	CO2	9 KG	MCC BUILDING	MCC/FF/14	FIRST FLOOR PENAL ROOM	00983	YES	OK
12	CO2	9 KG	MCC BUILDING	MCC/SF/15	SECOND FLOOR DCS ROOM	00987	YES	OK
13	CO2	9 KG	MCC BUILDING	MCC/SF/16	SECOND FLOOR UPS ROOM	00985	YES	OK
14	CO2	9 KG	MCC BUILDING	MCC/TF/17	THIRD FLOOR	00337	YES	OK
15	CO2	4.5 KG	METHANOL TANK	METH.TANK/18	NORTH SIDE	42514	YES	OK
16	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/19	GROUND FLOOR	11285	YES	OK
17	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/20	GROUND FLOOR	11287	YES	OK
18	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/21	GROUND FLOOR	8770	YES	OK
19	CO2	4.5 KG	ETP C/R FIRST FLOOR	ETP.CR/FF/22	PENAL ROOM	42511	YES	OK
20	CO2	9 KG	ETP C/R FIRST FLOOR	ETP.CR/FF/23	PENAL ROOM	00336	YES	OK
21	CO2	4.5 KG	ETP C/R SECOND FLOOR	ETP.CR/SF/24	LAB	42513	YES	OK
22	CO2	9 KG	ISO MCC ROOM	ISO.MCC/25	IN SIDE ROOM	00976	YES	OK
23	CO2	9 KG	F.W.P.H	FWPH/26	IN SIDE FWPH	00980	YES	OK
24	CO2	9 KG	TANK FARM - 2	T.FARM-02/27	WEST SIDE	AIL-DIA-ND-01	YES	OK
25	CO2	9 KG	MCC BUILDING	TR/GF-02/28	WEST SIDE	00342/INVISIBLE	YES	OK
26	CO2	9 KG	ETP-01	ETP-01/GF/29	IN SIDE ETP-01	00339	YES	OK
27	CO2	4.5 KG	PHENOL BUILDING	PHENOL/GF/30	IN SIDE PHENOL PLANT	11281	YES	OK
28	CO2	4.5 KG	LAB	PANEL ROOM/31	IN SIDE LAB PANEL ROOM	11286	YES	OK
29	CO2	4.5 KG	LAB	LAB/PANTRY/33	PANTRY OUTSIDE	11277	YES	OK
30	CO2	4.5 KG	LAB	LAB/OFFICE/34	IN SIDE LAB OFFICE	11284	YES	OK
31	CO2	4.5 KG	LAB	LAB/HPLC/35	IN SIDE LAB	42510	YES	OK
32	CO2	4.5 KG	LAB	LAB/GC/36	IN SIDE LAB	11283	YES	OK
33	CO2	4.5 KG	LAB	LAB/R&D/37	IN SIDE LAB	11279	YES	OK
34	CO2	4.5 KG	LAB	LAB/WET/38	IN SIDE LAB	-	YES	OK
35	CO2	9 KG	COOLING TOWER	COOLING TOWER/39	GROUND FLOOR	00982	YES	OK
36	CO2	4.5 KG	MCC BUILDING	MCC.TERRACE/40	TERRACE AREA NEAR PENAL	10554	YES	OK
37	CO2	4.5 KG	CR	CR/GF/41	GROUND FLOOR	42509	YES	OK

38	CO2	4.5 KG	CR	CR/GF/42	GROUND FLOOR	42512	YES	OK
39	CO2	22.5 KG	FIRE TENDER	F/T	LOCKER NO - 03	26476	YES	OK
40	CO2	22.5 KG	FIRE TENDER	F/T	LOCKER NO - 04	26480	YES	OK
43	CO2	4.5 KG	F.W.P.H	FWPH/43	IN SIDE FWPH	42508	YES	OK
44	CO2	4.5 KG	DCP	DCP/GF/44	DCP/EAST SIDE	8770	YES	OK
45	CO2	4.5 KG	DCP	DCP/GF/45	DCP/EAST SIDE	8769	YES	OK
46	CO2	4.5 KG	ADMIN	ADM/FF/50	PANEL ROOM	31511	YES	OK
47	CO2	4.5 KG	ADMIN	ADM/FF/51	PANEL ROOM	25221	YES	OK
48	CO2	4.5 KG	ADMIN	ADM/SF/52	PANEL ROOM	11288	YES	OK
49	CO2	4.5 KG	ADMIN	ADM/SF/53	PANEL ROOM	25224	YES	OK
50	CO2	9 KG	ETP-01	ETP-01/GF/54	IN SIDE ETP-01	00341	YES	OK
51	CO2	4.5 KG	PARKING AREA	PARKING-55	IN SIDE PARKING MAIN GATE	25214	YES	OK
52	CO2	4.5 KG	PARKING AREA	PARKING-56	IN SIDE PARKING MAIN GATE	31509	YES	OK
53	CO2	4.5 KG	ISO MCC ROOM	ISO MCC ROOM/FF/57	IN SIDE PANEL ROOM	25220	YES	OK
54	CO2	4.5 KG	ISO MCC ROOM/	ISO MCC ROOM/FF/58	IN SIDE PANEL ROOM	25217	YES	OK
55	CO2	4.5 KG	FIRE STATION	FIRE STATION G/F 59	FIRE STATION G/F	25216	YES	OK
56	CO2	4.5 KG	ADMIN	INST.W.S/60	INST.W.S	31512	YES	OK
57	CO2	4.5 KG	DIAMOND	VW.SHOP/61	VISHAL WORKSHOP	25211	YES	OK
58	CO2	4.5 KG	FIRE STATION	FIRE.S/FF/62	FIRE STATION	25218	YES	OK
59	CO2	4.5 KG	DIAMOND	E&I CONT. W.S/63	WORKSHOP	31510	YES	OK
60	CO2	4.5 KG	ADMIN	ADM/64	TERRACE	25205	YES	OK
61	CO2	4.5 KG	QC LAB	HPLC / 65	IN SIDE LAB	31513	YES	OK
62	CO2	4.5 KG	OHC PENAL	OHC PANEL / 66	PANEL ROOM	-	YES	OK
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			

SR NO	TYPE	CAPACITY	PLANT	LOCATION	EXTINGUISHER NO	EXTINGUISHER SR-NO	INSPECTION TAG	PRESSURE GAUGE (OK/NOT OK)	CYLINDER CONDITION (OK/NOT OK)
1	M.FOAM	9 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/01	00989	YES	OK	OK
2	M.FOAM	9 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/02	03990	YES	OK	OK
3	M.FOAM	9 LITRE	DCA PLANT	FIRST FLOOR	DCA/FF/03	03644	YES	OK	OK
4	M.FOAM	9 LITRE	DCA PLANT	FIRST FLOOR	DCA/FF/04	04011	YES	OK	OK
5	M.FOAM	9 LITRE	DCA PLANT	SECOND FLOOR	DCA/SF/05	04163	YES	OK	OK
6	M.FOAM	9 LITRE	DCA PLANT	SECOND FLOOR	DCA/SF/06	04001	YES	OK	OK
7	M.FOAM	9 LITRE	DCA PLANT	THIRD FLOOR	DCA/TF/07	04024	YES	OK	OK
8	M.FOAM	9 LITRE	DCA PLANT	THIRD FLOOR	DCA/TF/08	00993	YES	OK	OK
9	M.FOAM	9 LITRE	DCA PLANT	FOURTH FLOOR	DCA/4TH-F/09	04029	YES	OK	OK
10	M.FOAM	9 LITRE	DCA PLANT	FOURTH FLOOR	DCA/4TH-F/10	04164	YES	OK	OK
11	M.FOAM	9 LITRE	DCA PLANT	FIFTH FLOOR	DCA/5TH-F/11	04300	YES	OK	OK
12	M.FOAM	9 LITRE	DCA PLANT	FIFTH FLOOR	DCA/5TH-F/12	04003	YES	OK	OK
13	M.FOAM	9 LITRE	DCA PLANT	SIXTH FLOOR	DCA/6TH-F/13	04161	YES	OK	OK
14	M.FOAM	9 LITRE	ETP - 02	GROUND FLOOR	ETP.02/GF/14	02231	YES	OK	OK
15	M.FOAM	9 LITRE	ETP - 02	FIRST FLOOR	ETP.02/FF/15	00990	YES	OK	OK
16	M.FOAM	9 LITRE	ETP - 02	SECOND FLOOR	ETP.02/SF/16	00991	YES	OK	OK
17	M.FOAM	9 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/17	996	YES	OK	OK
18	M.FOAM	9 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/18	4019	YES	OK	OK
19	M.FOAM	9 LITRE	DCP PLANT	FIRST FLOOR	DCP/FF/19	04023	YES	OK	OK
20	M.FOAM	9 LITRE	DCP PLANT	FIRST FLOOR	DCP/FF/20	00988	YES	OK	OK
21	M.FOAM	9 LITRE	DCP PLANT	SECOND FLOOR	DCP/SF/21	4294	YES	OK	OK
22	M.FOAM	9 LITRE	DCP PLANT	SECOND FLOOR	DCP/SF/22	4296	YES	OK	OK
23	M.FOAM	9 LITRE	DCP PLANT	THIRD FLOOR	DCP/TF/23	04165	YES	OK	OK
24	M.FOAM	9 LITRE	DCP PLANT	THIRD FLOOR	DCP/TF/24	03991	YES	OK	OK
25	M.FOAM	9 LITRE	INSTRUMENT SHEAD	GROUND FLOOR	INST/SHEAD/25	04293	YES	OK	OK
26	M.FOAM	60 LITRE	RM WAREHOUSE	GROUND FLOOR	RM/GF/26	Not Available	YES	OK	OK

27	M.FOAM	60 LITRE	HAZARDOUS WASTE	GROUND FLOOR	H.WASTE/27	Not Available	YES	OK	OK
28	M.FOAM	9 LITRE	CR PLANT	SECOND FLOOR	CR/SF/28	4295	OK	OK	OK
29	M.FOAM	9 LITRE	CR PLANT	SECOND FLOOR	CR/SF/29	4299	OK	OK	OK
30	M.FOAM	9 LITRE	CR PLANT	GROUND FLOOR	CR/GF/30	03998	OK	OK	OK
31	M.FOAM	9 LITRE	CR PLANT	GROUND FLOOR	CR/GF/31	4301	OK	OK	OK
32	M.FOAM	9 LITRE	F.W.P.H.	F.W.P.H.	F.W.P.H./32	4297	OK	OK	OK
33	M.FOAM	9 LITRE	NSA TANK FARM	NORTH SIDE	NSA/T.FARM/33	3993	OK	OK	OK
34	M.FOAM	9 LITRE	NSA TANK FARM	SOUTH SIDE	NSA/T.FARM/34	04007	OK	OK	OK
35	M.FOAM	09 LITRE	SULFUR YARD	SULFUR YARD	SULFUR YARD/35	03996	OK	OK	OK
36	M.FOAM	9 LITRE	SULFUR YARD	SULFUR YARD	SULFUR YARD/36	3992	OK	OK	OK
37	M.FOAM	9 LITRE	ETP - 01	GROUND FLOOR	ETP.01/GF/37	N/A	OK	OK	OK
38	M.FOAM	9 LITRE	PHENOL BUILDING	GROUND FLOOR	PHENOL/GF/41	04160	OK	OK	OK
39	M.FOAM	9 LITRE	PHENOL BUILDING	FIRST FLOOR	PHENOL/FF/42	02229	OK	OK	OK
40	M.FOAM	9 LITRE	PHENOL BUILDING	SECOND FLOOR	PHENOL/SF/43	4302	OK	OK	OK
41	M.FOAM	60 LITRE	METHANOL TANK	GROUND FLOOR	METH.TANK/44	Not Available	OK	OK	OK
42	M.FOAM	60 LITRE	TANK FARM -02	WEST SIDE	T.FARM-02/45	Not Available	OK	OK	OK
43	M.FOAM	60 LITRE	TANK FARM -02	NORTH SIDE	T.FARM-02/46	Not Available	OK	OK	OK
44	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/52	Not Available	OK	OK	OK
45	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/53	Not Available	OK	OK	OK
46	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/54	Not Available	OK	OK	OK
47	M.FOAM	60 LITRE	TANK FARM -01	WEST SIDE	T.FARM-01/55	Not Available	OK	OK	OK
48	M.FOAM	60 LITRE	TANK FARM -01	NORTH SIDE	T.FARM-01/56	Not Available	OK	OK	OK
49	M.FOAM	60 LITRE	NSA PLANT	GROUND FLOOR	NSA/GF/60	Not Available	OK	OK	OK
50	M.FOAM	60 LITRE	NSA PLANT	GROUND FLOOR	NSA/GF/61	Not Available	OK	OK	OK
51	M.FOAM	09 LITRE	NSA PLANT	FIRST FLOOR	NSA/FF/62	04159	OK	OK	OK
52	M.FOAM	09 LITRE	NSA PLANT	FIRST FLOOR	NSA/FF/63	04002	OK	OK	OK
53	M.FOAM	09 LITRE	MCC BUILDING	TERRACE AREA	MCC.TERRACE/64	02230	YES	OK	OK
54	M.FOAM	09 LITRE	LAB	THIRD FLOOR	HPLC/LAB/65	00987	YES	OK	OK

55	M.FOAM	09 LITRE	LAB	THIRD FLOOR	CHEM.STORE/66	04022	YES	OK	OK
56	M.FOAM	09 LITRE	LAB	THIRD FLOOR	CONTROL.SAMPLE ROOM/67	03986	YES	OK	OK
57	M.FOAM	09 LITRE	LAB	THIRD FLOOR	R&D/68	00982	YES	OK	OK
58	M.FOAM	09 LITRE	MCC BUILDING	THIRD FLOOR	QC/CYLINDER/69	02224	YES	OK	OK
59	M.FOAM	09 LITRE	MEE PLANT	GROUND FLOOR	MEE/GF/71	04162	OK	OK	OK
60	M.FOAM	60 LITRE	NSA TANK FARM	GROUND FLOOR	NSA/T.F/72	Not Available	OK	OK	OK
61	M.FOAM	60 LITRE	PHENOL BUILDING	GROUND FLOOR	PHENOL/GF/73	Not Available	OK	OK	OK
62	M.FOAM	60 LITRE	CR PLANT	GROUND FLOOR	CR/GF/74	Not Available	YES	OK	OK
63	M.FOAM	60 LITRE	METHANOL RECOVERY TANK	GROUND FLOOR	METHANOL RECOVERY TANK/GF/75	Not Available	YES	OK	OK
64	M.FOAM	60 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/76	Not Available	YES	OK	OK
65	M.FOAM	60 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/77	Not Available	YES	OK	OK
66	M.FOAM	60 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/78	Not Available	YES	OK	OK
67	M.FOAM	60 LITRE	CR PUMP AREA	GROUND FLOOR	CR/GF/80	Not Available	YES	OK	OK
68	M.FOAM	60 LITRE	SULFUR YARD	WEST SIDE	SULFUR.Y /81	Not Available	OK	OK	OK
69	M.FOAM	06 LITRE	NEAR ISO T/F	OIL DRUM SHADE	OIL DRUM SHADE/82	00026	YES	OK	OK
70	M.FOAM	06 LITRE	NEAR ISO T/F	OIL DRUM SHADE	OIL DRUM SHADE/83	00040	YES	OK	OK

Compliance of Risk Assessment Recommendations from EIA		
Sr. No.	Condition	Compliance
A.	STORAGE DETAILS OF RAW MATERIALS	
i.	Recommendations for storage of Methanol	
1	Proper storage area shall be provided.	Complied, A separate area with well boundaries has been made for the storage of Methanol according to PESO guidelines.
2	Eye wash station shall be provided	Complied. Unit has Provided Safety Sower within the storage yard boundary with easy access to that location.
3	Chilling Water Circulation shall be provided.	Complied Chilling Water Circulation has been provided.
4	PPEs shall be used	Complied All workmen use appropriate PPE during working time.
5	Self-contained breathing apparatus shall be used	Complied. Adequate no. of SCBA available on site. SCBA training has been provided to all concerned workers and employees.
6	PPEs like Splash goggles, Full suit, Vapor respirator or self contained breathing apparatus, Gloves etc., shall be used while handling this chemical	Complied All workers and Employees use appropriate tested PPEs at the time of chemical handling.
B.	STORAGE AND HANDLING OF SOLID CHEMICALS	
i.	Handling Chemical Bags	
1	PPEs like suitable protective clothing, gloves, face shield, dust and splash proof safety goggles, chemically resistant safety shoes, etc. shall be used	Complied All workers and Employees are compulsorily using appropriate tested PPE during chemical handling time.
2	Standard Approved respirator shall be used.	Complied. Standard approved dust respirators are used.

3	Eyewash station and safety showers shall be made available	Complied. Plant wise ,Floor wise installed safety shower and eye wash station i.e Dyphoterine kits boxes.
4	Dust monitoring shall be carried out periodically	Complied. Dust monitoring is being carried out monthly by a third party.
ii. Cleaning of Chemical Spillage.		
1	Certified Dust respirator shall be used	Complied. ISI certified dust mask is provided to all workers and employees who are working at a dusty workplace. Form 37 (Workplace Monitoring) attached in Annexure 11.
2	PPEs shall be used.	Complied. All workmen use appropriate PPEs during working time.
3	Chemicals will be stored in isolated storage rooms having provision for natural & forced ventilation.	Complied. Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.
4	Spillage shall be cleaned or neutralized with suitable media	Complied. Spillages will be cleaned/neutralized with suitable media when required.
5	Fire fighting facilities shall be made available near storage locations, if required	Complied. Near the storage yard, Portable fire extinguishers stand, Fire bucket stands, Fire Hydrant Systems, Fire Manual call points, Fire alarm etc has been provided.
Additional Recommendations		
1	Operators/Workers to be trained for Safe Work Practices	Complied. Safety training is provided periodically for Safe Work Practices and job SOP is given to all employees.
2	Chemical handling bags & dusty area to be labeled properly for each chemicals.	Complied. Chemical bags and dusted areas are labeled properly for each chemical.

C.		STORAGE AND HANDLING OF SULPHURIC ACID
i. Sulphuric Acid Loading & Unloading.		
1	Loading & Unloading activity shall be carried out in well ventilated area.	Complied. Loading & Unloading it is done in open area.
2	Neutralization media shall be made available in areas where acid is stored/handled/used.	Complied. Caustic available for neutralization where sulphuric acid is stored/handled/used.
3	PPEs will be used.	Complied. PPEs are used.
ii. Working in Storage Area		
1	Storage area shall be well ventilated	Complied. Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.
2	Neutralization shall be done immediately with soda ash/lime or spill shall be absorbed in sand or by suitable adsorbent	Complied. Caustic is available for neutralization in case of spill
3	PPEs like face mask, gloves etc. shall be worn by concerned person	Complied. PPEs are compulsory to be worn by all employees during work and before issuing work permits.
4	Floors shall be made of acid proof tiles	Complied. Unit has provided acid proof tiles for the storage area.
iii. Tank overflow/leakage from joints etc		
1	Same as Above.	Complied. Dyke walls have been provided to restrict overflow of chemicals from storage tanks in the tank farm area. Photograph of dyke wall attached is given in point No. 77 in EC Compliance report.
Additional Recommendations		
1	Work Instruction for checking tank level to be prepared and followed.	Complied. Work Instructions for checking tank level have been prepared and followed.
D.		STORAGE AND HANDLING OF DRUMS

i	Drums Unloading from Truck by forklift.	
1	Truck shall be inspected properly before unloading the barrels.	Complied. Trucks are inspected properly before unloading the barrels.
2	Spill containment kit shall be made available to contain the leaking barrel.	Complied. Spill containment kit is available to contain the leaking barrels.
3	Hot work or source of ignition shall be avoided near the unloading area.	Complied Process plant and unloading area are restricted for doing hot work and kept away from all types of ignition sources.
4	Fire extinguishers to be kept available.	Complied. All floors of the plant are designed and provided with fire fighting equipment like fire extinguishers, hydrant post, hose reels, Hose boxes, fire MCP points, Fire alarm system etc.
5	Appropriate PPEs like Safety Goggles, Butyl or Nitrile rubber gloves, gumboot, plastic apron etc shall be used.	Complied. Unit has provided appropriate PPEs like Safety Goggles, Butyl or Nitrile rubber gloves, gumboot, plastic apron etc
	Additional Recommendations	
1	SOPs to be prepared and followed.	Complied. All SOPs are prepared and followed.
2	Foam type fire extinguisher to be provided in nearby location.	Complied. Mechanical Foam type fire extinguishers with trolley mounted has been provided near storage tank farms and the process plant.
3	Fire monitor with provision of connection of foam to be provided.	Complied. Fire monitor connected to a foam trolley has been provided near the storage tank farm and PESO tank area.
ii.	Transfer of chemicals from drums to plant/reactor	

1	PPEs shall be used.	Complied. PPEs are used.
iii.	Drum/Barrels Storage Area	
1	PPEs are used.	Complied. PPEs are used.
iv.	Cleaning of empty drums	
1	PPEs like face mask	Complied. PPEs like face mask are used.
E.	COMMENTS / RECOMMENDATIONS BASED ON CONSEQUENCE ANALYSIS	
	Recommendations	
1	Evacuation routes shall be planned such that alternate route is available from any corner in more than one direction	Complied. Plant consists of two main roads accordingly from two gates and are inter crossing with three roads across the plant. Inside of plant premises, two assembly points have been made One near Main gate security and Another is near COP area.
2	Extra precautions to be taken in unloading of flammable/toxic chemicals. The details of precautions during storage handling and transportation of chemicals have been given in separate paragraph.	Complied. During the unloading of the methanol PESO tank is blanketed with nitrogen and through a 3 way breather valve its vent through a flame arrestor.
3	Firefighting arrangements shall be provided as per the guidelines of OISD	Complied. Fire fighting systems installed and designed in the plant as per the NFPA and OISD guideline.
4	Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. to be adopted for the safe operation of plant at appropriate stage.	Complied. Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. have been adopted for the safe operation of plant at appropriate stage.
F.	PROPOSED SAFETY/CONTROL MEASURES TO REDUCE THE RISK OF FIRE, EXPLOSION AND TOXIC RELEASE	
i.	Transportation of Chemicals, by Road Tanker or Truck.	

1	Training will be provided to driver and cleaner regarding the safe driving, hazards of Flammable chemicals, emergency handling, and use of SCBA sets.	Complied. All entry vehicles with driver and helper have to make temporary gate passes and within the procedure ,their health check up is done by OHC & training induction is given regarding the safe driving, hazardous chemical handling and how to handle an emergency situation.
2	TREM card & SCBA set will be kept with TL.	Complied. As per GPCB & our check list of transporting vehicles, It's mandatory to keep a TREM CARD. The driver is provided with SCBA when required.
3	Fire extinguishers will be kept with TL.	Complied. Portable fire extinguishers are compulsory to be kept in the truck or tanker carrying the hazardous chemicals
4	Flame arrestor will be provided to TL exhaust.	Complied. Flame arrestors have been kept at the main gate and are installed on the exhausts of all vehicles entering the company premises.
5	Instructions will be given not to stop the truck in populated area.	Complied. As per the TREM CARD instructions, It is strictly prohibited to stop the vehicle in a populated area.
6	Hazard Identification symbol and emergency telephone number will be displayed as per HAZCHEM CODE.	Complied. In the EIP panel, it is mandatory to put the Hazard identification symbol ,Hazchem code. In the TREM card, emergency telephone numbers to be contacted during the emergency situation are mentioned.
7	Appropriate PPEs will be kept with TL	Complied. Appropriate, tested and effective PPEs are mandatory to be kept available and are used.
In case of leak or spill:		
1	Area & Container will be isolated.	Complied. In case of a leak or spill, the Operation team immediately takes action on it. Area of spillage is isolated from the work zone and containers are also kept separately.

2	Source of leakage will be checked.	Complied. In case of a leak spill, the operation & safety team first takes action to identify the source of leakage and immediately stop the leak or spill as per the SOP.
3	Damaged containers or spilled material shall not be attended without wearing appropriate protective clothing.	Complied. Appropriate PPEs and protective clothing is provided to handle damaged containers or spilled material.
4	Leakage will be stopped, if possible to do so without risk.	Complied Leakages are stopped without risks if possible.
5	Combustibles (wood, paper, oil, etc.) shall be kept away from spilled material.	Complied Combustibles are kept away from any spilled material.
ii. Unloading of Solvent Drums /Barrels from Truck.		
1	Priority will be given for truck to immediately enter the storage premises at site and will not be kept waiting near the gate or the main road.	Complied Unit gives priority to trucks immediately entering the storage premises at site and is not kept waiting near the gate or the main road.
2	Security person will check License, TREM CARD, Fire extinguisher condition; SCBA set condition, Antidote Kit, required PPEs as per SOP laid down.	Complied Security personnel check License, TREM CARD, Fire extinguisher condition; SCBA set condition, Antidote Kit, required PPEs as per SOP laid down.
3	QC check & other required checks shall be done & after the approval of same, unloading procedure will be allowed.	Complied. QC check & other required checks is done & after the approval of same, unloading procedure is allowed.
Following precautions will be taken during unloading:		
1	Wheel stopper will be provided to TL at unloading platform.	Complied Wheel stopper is provided to TL at unloading platform.
2	Unloading procedure will be followed according to check list.	Complied Unloading procedure is followed according to checklist.

3	Only day time unloading will be permitted.	Complied Only day time unloading is permitted.
iii.	Chemical Storage Area safety.	
1	All storage areas shall be isolated from all sources of open flame and well posted with "Hazardous Chemical Storage", "No Smoking", "Hot work Restricted" signs.	Complied. All storage areas are isolated from all sources of open flame. Signs such as "Hazardous Chemical Storage", "No Smoking", "Hot work Restricted" are posted at all storage areas.
2	Spark-resistant tools will be used.	Complied. Spark-resistant tools such as spark arrestors and FLP equipment are used.
3	Pipes and equipment shall be inspected at regular intervals.	Complied. Pipes and equipment are inspected at regular intervals.
4	Water spray shall be used to reduce vapors (by taking care that water is not directed straight away on leak, spill area or inside container).	Complied Water spray is used to reduce vapors.
5	Combustibles (wood, paper, oil, etc.) shall be kept away from spilled material.	Complied. Unit has ensured that combustibles (wood, paper, oil, etc.) are kept away from spilled material.
6	MS or HDPE storage drums will be provided as per good engineering practices.	Complied Unit has ensured that MS or HDPE storage drums are provided.
7	Storage area will be provided with adequate fire fighting/extinguishing system, Fire hydrant monitor with foam attachment facility, etc.	Complied Storage area has been provided with adequate fire fighting/extinguishing system, fire hydrant monitor with foam attachment facility, etc.
8	Sand Buckets will be made available.	Complied. Sand Buckets are available.

9	Workers and Operators handling such materials shall be trained for the hazards (fire/explosion, health, chemical reactivity, etc.) & safety measures associated with them.	Complied. Workers and Operators handling such materials are trained for the hazards (fire/explosion, health, chemical reactivity, etc.) & safety measures associated with them.
10	Area shall be inspected on regular basis.	Complied. Area is inspected on regular basis.
11	NFPA label (hazard identification) along with capacity of chemical will be displayed on respective drums.	Complied NFPA label (hazard identification) along with capacity of chemical is displayed on respective drums
12	Dumping /Drain vessel/alternate vessel will be provided to collect the spillage material. Spillage Kit shall be made available.	Complied Dumping /Drain vessel/alternate vessel has been provided to collect the spillage material.
13	FLP type pump & electric fittings will be provided, where applicable.	Complied. FLP type pump & electric fittings are provided.
14	Earthing will be provided to related drums and process vessels, as per the requirement.	Complied Earthing has been provided to related drums and process vessels.
15	Double Jumper clip shall be provided to all solvent handling pipeline flanges, if applicable.	Complied. Double Jumper clips are provided to all solvent handling pipeline flanges, if applicable.
iv.	Chemical transfer from storage area to Process Plant.	
1	Double mechanical seal type FLP type pump shall be provided.	Complied. Double mechanical seal type FLP type pump has been provided.
2	Double on / off switch shall be provided, if needed. Flame arrestor shall be provided, wherever required.	Complied Double on / off switch has been provided, when needed. Flame arrestor is provided, wherever required.
3	NRV Shall be provided on pump discharge line	Complied Unit has provided NRV on pump discharge line.

4	Double Jumper clip shall be provided to all solvent handling pipelines.	Complied. Double Jumper clip shall be provided to all solvent handling pipelines.
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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 1st September 2019.

Terms and condition of the agreement is as below:

- Hospital hereby undertakes to extend its services (OPD/IPD/emergency/medical & surgical treatment including Laboratory investigations & pharmacy expanses) on credit basis to the persons designated by Aarti Industries Limited, Dahej (Zone III) .
- Prior to sending patient at hospital company personal will telephonically communicate with concern person of the hospital (Details are attached).
- Patient shall show ID card at the hospital provided by Aarti Industries Limited at the time of admission or consultation. Company HR department or Factory Medical Officer will communicate through mail for treatment on credit basis within 24 hours in case of admission.
- The company will make the payment within twenty five working days after the discharge of the patients.(Scan copy of the bill will be e-mailed to company immediately on discharge & Hard copy of the bill will be couriered at your plant)

Following are the authorized person to call in case of seeking medical services:



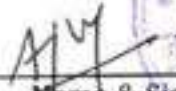

Aarti Industries Limited, Dahej (Zone III):

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-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



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:



Agreement between of Sunshine Global Hospitals, Bharuch & Aarti Industries Limited, Dahej (Zone III)

This agreement is between Sunshine Global Hospitals, Bharuch and Aarti Industries Limited, Dahej (Zone III) on 1st September 2019.

Terms and condition of the agreement is as below:

- Hospital hereby undertakes to extend its services (OPD/IPD/emergency/medical & surgical treatment including Laboratory investigations & pharmacy expanses) on credit basis to the persons designated by Aarti Industries Limited, Dahej (Zone III) .
- Prior to sending patient at hospital company personal will telephonically communicate with concern person of the hospital (Details are attached).
- Patient shall show ID card at the hospital provided by Aarti Industries Limited at the time of admission or consultation. Company HR department or Factory Medical Officer will communicate through mail for treatment on credit basis within 24 hours in case of admission.
- The company will make the payment within twenty five working days after the discharge of the patients. (Scan copy of the bill will be e-mailed to company immediately on discharge & Hard copy of the bill will be couriered at your plant)

Following are the authorized person to call in case of seeking medical services:

Aarti Industries Limited, Dahej (Zone III):

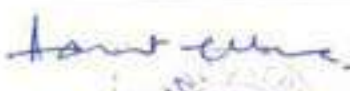

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industries.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas 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, 11rd 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/10E254ZDf7CgqF0480C0u55v254-4k91w60/edit> | www.aarti-industries.com



Medical Certificate of Fitness

Date : 10/04/2023

We hereby certify that we have carefully examined Mr. Manojkumar Kharva Age 24Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.



Pre- employment Medical health Check-up

Sign of Consultant:

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, C1H
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Stamp of Consultant:



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: MANOJ KUMAR KHARVA

Age: 24

Sex: MALE

Present Medical Illness: NIL

Past Medical History: APPENDIX OPERATED

Dietary Habits: MIX

Addiction History: NIL

Family Medical History: NIL

Occupational History: NIL

Height: 169 cms

Weight: 51.4 Kgs

BMI: 18.0 Kg/m²

BP: 120/70 mmHg

PR: 89 /min

T: - F

SpO₂: 98 %

General Examination: _____

CNS: WELL ORIENTED & CONSCIOUS.

RS: BIL AIR ENTRY PA: NORMAL.

NORMAL

Trismus Test: _____

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N/6</u>	<u>N/6</u>
Far Vision	<u>6/6</u>	<u>6/6</u>
Colour Vision	<u>NAD</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms Manoj Kumar and have found his/her reports to be authentic.

Kharya

Date: 10/06/2023

Signature of Medical Officer

Place: BHARUCH.

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO: G-11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	MANOJ KUMAR KHARVA
Age / Sex :	24 / MALE

Present Medical Illness :	NIL
Past Medical History :	APPENDIX OPERATED
Dietary Habits :	MIX
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	169 cm	Weight :	51.4 Kgs	BMI :	18.0 Kg/m ²
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Temperature :	F	Pulse Rate :	89 /min
Blood Pressure :	120 / 70 mm Hg	SpO ₂ :	98 %

Trismus Test	-
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General Examination	NORMAL
Central Nervous System	NORMAL
Ear/Nose/Throat	NORMAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	NORMAL
Musculoskeletal System	NORMAL

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour vision	I/AD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	5600	Bld group	A ₁ B	RBS	89-0	LFT	22115
RFT	1.2	G6PD	22.0	HBsAg	NON Reactive	Ur R&M	NORMAL
PFT	NORMAL	PTA		ECG	WNL	CXR	NORMAL

I have personally examined Mr/Ms. Manoj Kumar Ichavva and have verified his/her reports to be authentic.

Remarks (if any):

Name of Physician	DR. DEVKUMAR VARMA
Stamp	M.D. (PATH), MBBS, CH OCCUPATIONAL HEALTH CONSULTANT REG. NO: G-11075
Date	20/06/2023
Place	BHARUCH.



Aarti Industries Limited

Self Declaration of Medical History

Name:	MANOJKUMAR KHARVA.	Age/Sex:	24 MALE
Agency Name:		Function:	
Division Name:		Emp. code/ Gate pass No:	

Do you have any of the following health problems?		Yes	No	Remark
If Yes, specify in remark column				
1	High / low blood pressure			
2	Diabetes Mellitus (Blood Sugar Problem)		✓	
3	Heart related problems - Chest pain, Heart Attack, Congenital conditions, valvular heart disease etc.		✓	
4	Respiratory related problems - Asthma/Shortness of breath/Chronic cough etc.		✓	
5	Nervous system related problems - Convulsion/Fits/Paralysis/Polio etc.		✓	
6	Liver/Gall Bladder related problems like jaundice /Hepatitis/Gall stones etc.		✓	
7	Digestive system related problems - Peptic ulcer/bloody vomiting or stool/irregular bowel habits etc.		✓	
8	Kidney related problems - Renal stones/Blood in urine etc		✓	
9	Blood related problems - Anemia/Low platelet count/Sickle cell anemia/Thalassemia etc.		✓	
10	Any endocrine related disorder like thyroid conditions etc		✓	
11	Musculoskeletal disorders - Backache/Limb deformity/disc problem/joints problem etc.		✓	
12	Eye related problems - Refractive errors/colour blindness/squint/cataract etc.		✓	
13	Do you wear any contact lenses?		✓	
14	Ear related problems - Ear discharge/hearing loss/tinnitus etc.		✓	
15	Skin related problems - Rashes/psoriasis/scars etc.		✓	
16	Are you suffering from any communicable diseases? - Tuberculosis/HIV/Hepatitis B /Leprosy etc.		✓	
17	Mental Health related problem		✓	
18	Any Allergy - Drug/Food/Other		✓	
19	Vertigo / Giddiness		✓	
20	Phobia (Fear of hight or closed places/darkness)		✓	
21	Ankle swelling/Hernia / Hydrocele/Abdominal swelling etc		✓	
22	Any history of hospitalisation in past?		✓	
23	Any history of past surgeries?	✓		Appendix
24	Consumption/Habit - Drug/Alcohol/Tobacco/Smoking?	✓		
25	Any history of long term medications? OR currently taking any medication?		✓	
26	Any history of occupational injuries/illness in past?		✓	
27	Any past history of cyanosis? (Bluish discoloration of tongue/lips/nails)		✓	
28	Family History of Diabetes/Hypertension/Heart Attack/Mental disorder/ Asthma/cancer		✓	
29	For Female Last Menstrual Period Any gynaecological disorder?		✓	
30	Any present complaints?		✓	
Additional Remark				

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.
For non-routine work only : I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 10/4/23
Place: Bhuzuch

Sign/Left thumb Impression of candidate



आरती इंडस्ट्रीज लिमिटेड

मेडिकल हिस्ट्री की स्व घोषणा

नाम:	MANOJ KUMAR KHARVA	उम्र और लिंग:	24 male
पंजीकी का नाम:		संबंधन:	
डिवीजन:		एम्प्लोयी कोड / गेट पास नं.:	

क्या आपको निम्नलिखित स्वास्थ्य समस्याएं हैं? यदि हाँ, तो विस्तार में बताएं

क्र.सं.	विवरण	हाँ	नहीं	टिप्पणी
1	बाल पेशाब की बीमारी (एकतन्त्र)		✓	
2	डायबिटीस - शुगर की बीमारी (ग्लूकोज)		✓	
3	इंद्रिय से जुड़ी हुई समस्या - छाती में दर्द / हाई ब्लड प्रेशर/अन्यजल इंद्रिय की बीमारी विशेष		✓	
4	श्वसन संबंधी समस्याएं - अस्थमा / सांस की तकलीफ / अवादा समय से छाती विशेष		✓	
5	दिलका संबंधित समस्या (मिर्ची - खींच आना, लकवा होना, मोजिया विशेष)		✓	
6	जिगर / पित्ताशय से संबंधित समस्या जैसे पेटिया / हेपेटाइटिस / पित की पथरी विशेष		✓	
7	पाचन तंत्र संबंधित समस्या - पेट में छाते / उलटी या संछन्न में खुल आना / विशेष		✓	
8	किडनी संबंधी समस्या - यूरिन में खून / पथरी का दर्द / यूरिन में खुल आना विशेष		✓	
9	रक्त संबंधी समस्या - हीमोग्लोबिन की कमी / ट्राक कलिकर की कमी / थ्रिक्ल सेल एनीमिया / व्हाइटबीमिया विशेष		✓	
10	थायरॉइड (हाइपो/हाइपर) जैसी कोई अंतःस्रावी समस्या		✓	
11	बमर दर्द / अंत विकृति / रीढ़ की हड्डी / विन्क की समस्या / जोड़ी की समस्या विशेष		✓	
12	हार्मोन संबंधित समस्या - लडर की कमीजोरो / रोग पहचानने में तकलीफ होना / मोजिया विन्ड विशेष		✓	
13	क्या आप कॉन्टैक्ट लेंस पहनते हो ?		✓	
14	बाल के संबंधित समस्या - बाल में पकपका होना / सही से सुनाई न देना / विशेष		✓	
15	त्वचा संबंधित समस्या - लाल पकवाते होना / खरिपलिस / घाव - विकृति के निशान विशेष		✓	
16	क्या आप किसी संक्रमित रोग से पीड़ित हो ? - लव रोग / एच आई वी / हेपेटाइटिस बी / कुण्ड रोग विशेष		✓	
17	मानसिक बीमारी		✓	
18	किसी दवाई / खाना / या अन्य कोई चीज की अलैजी		✓	
19	घबकर आना		✓	
20	उपजड़े से डर लगना / जोड़े से डर लगना विशेष		✓	
21	पैर में खुजल / हलिया / हीपुमिस / पेट में पानी आना विशेष		✓	
22	क्या आप कभी अस्पताल में भर्ती हुए हो ?	✓		
23	कभी कोई ऑपरेशन / सर्जरी हुआ है ?	✓		Appendix
24	किसी भी लसीली दवा / सलाब / लककू का सेवन/प्रापन		✓	
25	क्या आपने लम्बे समय तक कोई दवाइया खाई है ? या वर्तमान में कोई दवा से रहा है ?		✓	
26	क्या आपका कभी कोई व्यवसाय संबंधित घोट / बीमारी हुई है ?		✓	
27	क्या कभी जीभ / होंठ या नाखुनो में मौलापन हुआ है ?		✓	
28	क्या आपके पीछर में किसी को एकरवाध/शुगर की बीमारी / हाई अटिक / मधुमेक बीमारी / टमा / कैसर है ?		✓	
29	मदिलानो के लिए आपकी मासिक की लरीख _____ इसी रोग संबंधी समस्या		✓	
30	हाल में कोई समस्या / बीमारी है ?		✓	

मे प्रमाणित करता हूँ की मेरे द्वारा दिया गया उपरोक्त विवरण मेरी जानकारी और विश्वास के अनुसार सही और पूर्ण है।
केवल नॉन स्टॉर क्वर के लिये - मैं इस बात की घोषणा करता हूँ कि मैं कंपनी नीति के अनुसार मेरे रसायनिक प्रक्रिया शरी में काम नहीं करेगा।

दिनांक: 10/11/23
स्थान: Bhuruch.

ज्येष्ठ के इरलाकर या बाएंअंगुठे का निशान

FORM NO. 33
(Prescribed under Rule 68-T and 102)


Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

- | | | | |
|----|--|---|--------------------|
| 1. | Serial number in the register of adult workers | : | |
| 2. | Name of the person examined | : | MANDJ KUMAR KHARVA |
| 3. | Father's Name | : | RANGSH BHAI KHARVA |
| 4. | Sex | : | MALE |
| 5. | Residence | : | ANAND |
| 6. | Date of birth, if available | : | 05/22/2999 |
| 7. | Name & address of the factory | : | |
| 8. | The worker is employed/proposed | : | |
| | (a) Hazardous process | : | |
| | (b) Dangerous operation | : | |

I certify that I have personally examined the above named person whose identification marks are...MOLE ON FACE.....and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is24.....years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.


Signature or left hand thumb
Impression of the person examined:

Signature of the Factory Medical Officer:
DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO. G-11075

Stamp of factory
Medical Officer with

Name of the Factory:



TEST REPORT



Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobin	14.0	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	5.2	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	48.8	%	40 - 50	Cumulative Pulse Height
MCV	99.6	fL	83 - 101	Derived From RBC Histogram
MCH	28.5	pg	27 - 32	Calculated
MCHC	33.5	%	31.5 - 34.5	Calculated
RDW	13.0	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	5600	/c.mm	4000 - 10000	Electrical Impedance
Differential Count [%]		Unit	Biological Ref. Interval [Abs.]	Unit Biological Ref. Interval
<i>(Flowcytometry /MICROSCOPY)</i>				
Polymorphs	65	%	40 - 80	3640 /c.mm 2000 - 7000
Lymphocytes	25	%	20 - 40	1400 /c.mm 1000 - 3000
Monocytes	08	%	2 - 10	448 /c.mm 200 - 1000
Eosinophils	02	%	1 - 6	112 /c.mm 00 - 500
Basophils	00	%	0 - 2	0 /c.mm 00 - 100
Neutrophil to Lymphocyte Ratio (NLR)	2.6	%	0.78 - 3.53	Calculated
Platelet Count	236000	/c.mm	150000 - 410000	Electrical Impedance
ESR	05	mm		Modified westergren method
REFERENCES	(1) Practical Hematology by Dacie & Lewis (12th Edition). (2) Nathan/Oski, Hematology of Infancy and Childhood (7th Edition, 2009).			

----- End Of Report -----



* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489



2301000817

TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.0	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.8	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.3	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.5	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	22.5	U/L	0 - 40	IFCC
S.G.O.T. (AST)	15.6	U/L	0 - 40	IFCC
Alkaline Phosphatase	65.0	U/L	35 - 105	AMP
Random Plasma Glucose	89.0	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----



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Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

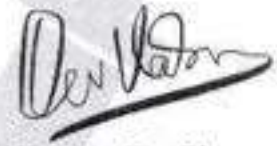
RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	1.2	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	33.0	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	15.4	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	12.8	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----



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Name	: Manojkumar	Age	: (24Y)
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Account	: LAB	Mobile No.	:

SERUM CHOLINESTERASE ESTIMATION

(Specimen: Serum)

Investigation	Result	Unit	Biological Reference Interval	Method
Cholinesterase	5556.0	U/ml	4250 - 12000	Dri-chemistry

Comments:

- Cholinesterase is also called pseudocholinesterase.
- **The main indicators for measuring pseudocholinesterase are:**
 - Monitoring exposure to cholinesterase inhibitors
 - As a liver function test
 - Diagnosis of genetic variants.
- The most important use of cholinesterase is to measure the exposure to organophosphorus compounds like organophosphate insecticide which are irreversible inhibitors of both pseudocholinesterase and acetylcholinesterase.
- For individuals working in industries manufacturing organophosphate insecticides, a baseline measurement is recommended. A decrease of 40% from baseline produces symptoms and a decrease of 80% from baseline leads to severe symptoms.
- Pseudocholinesterase reflects acute toxicity while acetyl cholinesterase (true cholinesterase) reflects chronic exposure

Decreased levels:

- Organophosphate poisoning .
- Liver diseases like Acute hepatitis, Cirrhosis & Metastatic carcinoma to liver.
- Malnutrition

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----



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Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc. DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. NITESH MARTEL
M.D. Microbiology
Reg. No. G-2493

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, R.K. Cante. Behind Super Market, Station Rd. Bharuch, Gujarat 392001



2301000817

TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)


Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quantitative	12.0	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

----- End Of Report -----



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M.D. (Pathologist)
Reg. No. G-2489



TEST REPORT



2301000817

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval
HBsAg Qualitative	Non- Reactive		Non -Reactive

----- End Of Report -----

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M.D. (Pathologist)
Reg. No. G-2489



TEST REPORT



2301000817

Name	: Manojkumar	Age	: (24Y)
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Account	: LAB	Mobile No.	:

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)

Method : (Microscopic Examination)

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

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TEST REPORT



2301000817

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
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Account	: LAB	Mobile No.	:

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Investigation	Result	Method
ABO TYPE	"A"	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

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TEST REPORT



2301000817

Name	: Manojkumar	Age	: (24Y)
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Account	: LAB	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.))

Investigation	Result	Biological Ref. Interval	Method
PHYSICAL EXAMINATION			
Colour	Pale Yellow	Pale Yellow	
Transparency	Clear	Clear	
CHEMICAL EXAMINATION (Automated Strip test)			
Specific Gravity	1.015	1.005 - 1.025	
Reaction (pH)	6.0	4.5 - 8.0	
Sugar	Absent	Absent	
Acetone	Absent	Negative	
Proteins	Absent	Absent	
Bilirubin	Absent	Negative	
Urobilinogen	Absent	Negative	
Leukocyte Esterase	Absent	Negative	
Nitrite	Absent	Negative	
Blood	Absent	Negative	

MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref. Interval	Method (Microscopy)
Pus Cells	1-2	/HPF	Absent	
Red Cells	NIL	/HPF	Absent	
Epithelial Cells	3-4	/HPF	Absent	

----- End Of Report -----



2301000817

TEST REPORT

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Account	: LAB	Mobile No.	:

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Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

ID: 27

MANOJKUMAR

Male 24Years

10-04-2023 11:17:06

HR : 85 bpm

P : 92 ms

PR : 139 ms

QRS : 68 ms

QT/QTc : 337/401 ms

PQRST : 78/78/65 °

RV5/SV1 : 2.289/2.238 mV

Diagnosis Information:

Sinus Arrhythmia

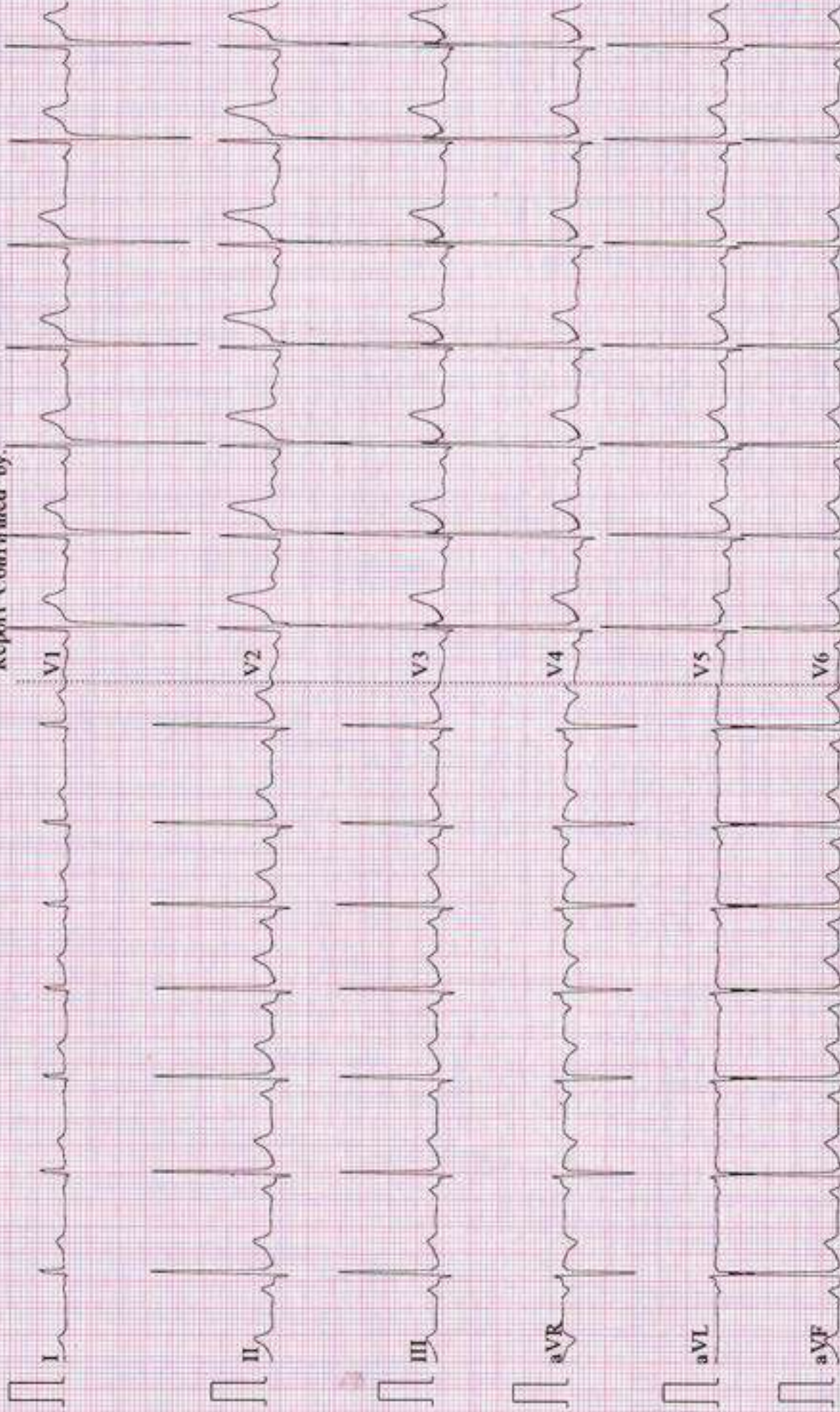
Suspect Inferior Myocardial Infarction?

Left Ventricular Hypertrophy

ST Elevation(II,III,aVF,V4,V5,V6)

WNL

Report Confirmed by:



MATESHREE ENT. HOSPITAL

AUDIOGRAM



DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____

Date : 10/06/23

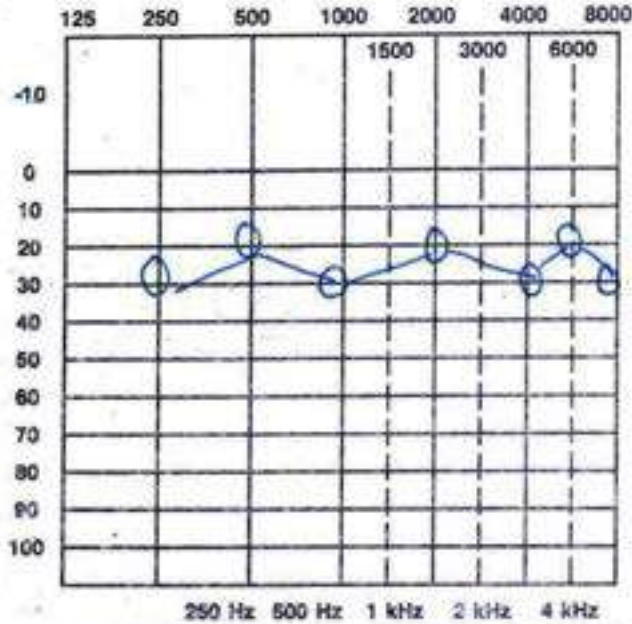
Audiogram of Manoj Kumar Chavhan

Age 24 Yrs. Sex Male Ref. by _____

Occupation _____

Address _____

RIGHT



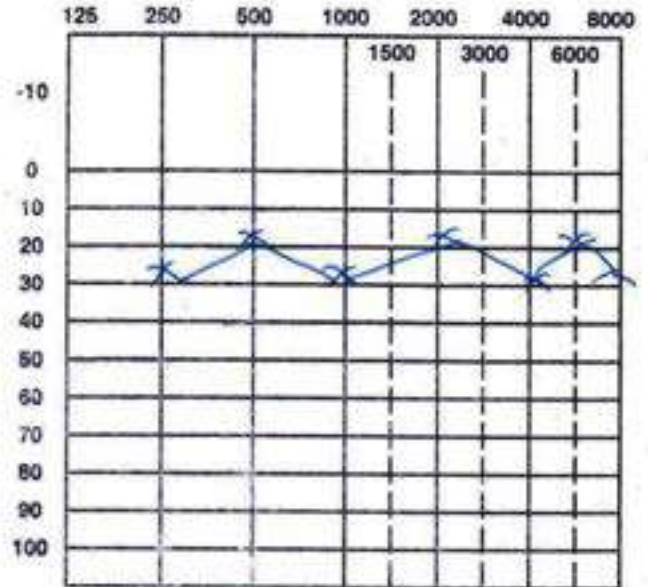
250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

WEBER
Lateralized to

--	--	--	--	--

	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△		0
L	X	>	□		X

LEFT



250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

Clinical Findings _____

Comments Both Normal

Dr. Gaurang Joshi
D.L.O.M.S. (ENT)
Regd G 7667

Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH-392001
Ph.: (H)02642-269880

DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



Medicaid Systems
389, Phase-II, Industrial Area

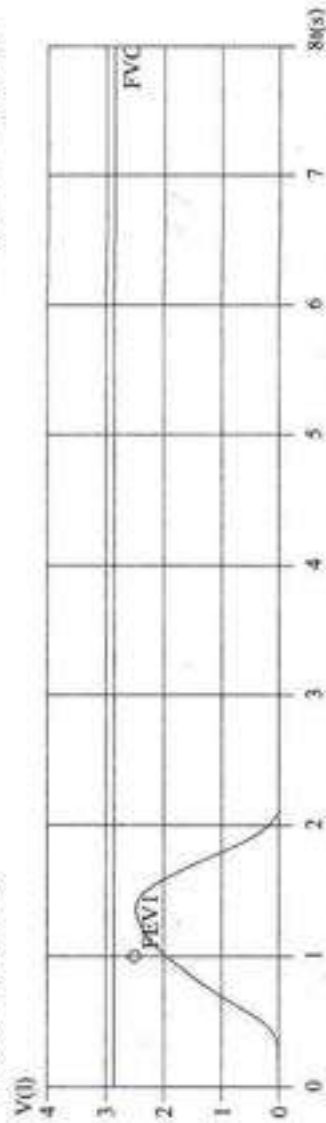
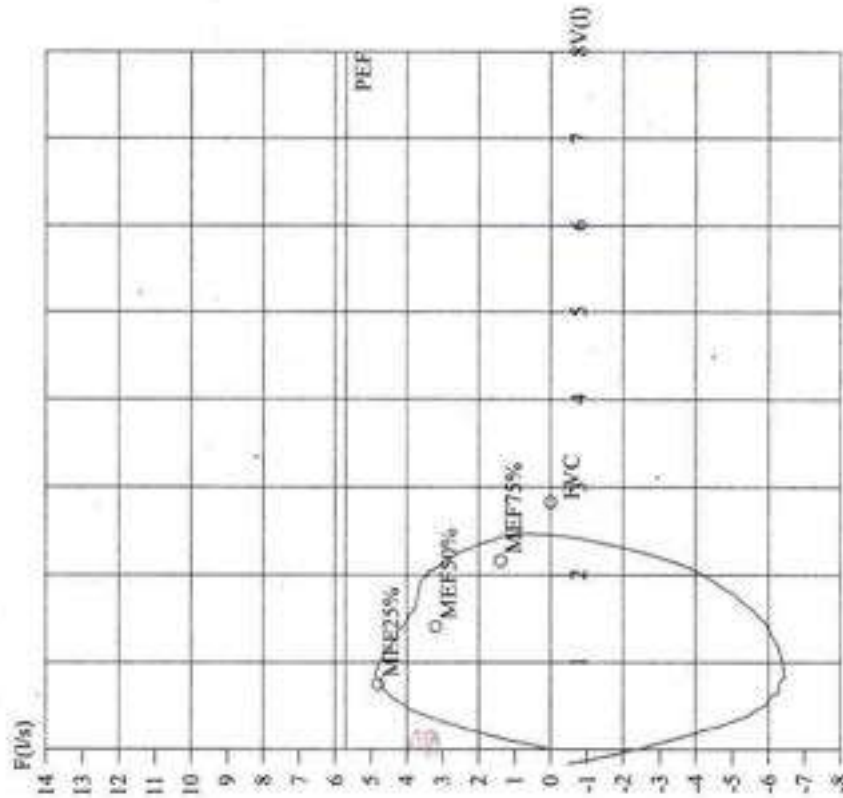
Last Name: **MANOJKUMAR KHARVA**
 First Name: **MANOJKUMAR KHARVA**
 ID: **117**
 Date: **10-04-2023**
 Predicted: **ERS 93**

Date of Birth: **10-04-1999**
 Sex: **Male**
 Ethnic Corr: **60%**
 Description:
 Comments:

Age: **24**
 Weight (Kg): **51**
 Height (cm): **169**
 BSA (m2): **1.58**
 Smoker: **ex**

TEST #1 - 10-04-2023

Forced Vital Capacity



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	2.86	2.62	91.6
FEV0.5(L)	---	0.31	---
FEV1(L)	2.45	2.06	84.1
FEV1/FVC%	82.89	78.63	94.9
PEF(L/s)	5.7	4.9	86
PIF(L/s)	---	6.45	---
FEF25-75%(L/s)	2.97	4.23	142.4
Vmax25%(L/s)	4.84	4.6	95
Vmax50%(L/s)	3.19	4.24	132.9
Vmax75%(L/s)	1.47	3.64	247.6
FET100%(s)	---	1.34	---
ELA (Years)	75	87	

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC>80%,Pred%FEV1/FVC and FVC>80%PredFVC)

Mr

DR. DEVKUMAR VARMA
M.D. (P&T), MBBS, CEN
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075



NAME : MANOJKUMAR KHARVA
DATE : 10/04/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

K.B. Vasava

DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST



R



MANOJ KUMAR KHARVA 100402 M CHEST PA 10-Apr-23 10:45 AM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



Medical Certificate of Fitness

Date : 25/05/2023

We hereby certify that we have carefully examined Mr. Krunal Prajapati Age 24Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.

Pre-employment Medical health Check-up

Sign of Consultant:

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Stamp of Consultant:



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: KRUNAL PRAJAPATI

Age: 24 Sex: MALE

Present Medical Illness: NIL

Past Medical History: APPENDIX OPERATED

Dietary Habits: MIX

Addiction History: NIL

Family Medical History: NIL

Occupational History: NIL

Height: 167 cms Weight: 47.4 Kgs BMI: 17.0 Kg/m²

BP: 120/80 mmHg PR: 77/min T: - F SpO₂: 98 %

General Examination: ROMBERG'S TEST NEGATIVE

CNS: WELL ORIENTED & CONSCIOUS CVS: S1 & S2 HEARD NORMAL

RS: BIL AIR ENTRY PA: NORMAL
INDICAL.

Trismus Test:

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N16</u>	<u>N16</u>
Far Vision	<u>616</u>	<u>616</u>
Colour Vision	<u>NAD</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms KRUNAL PRAJAPATI and have found his/her reports to be authentic.

Date: 25/05/23 Signature of Medical Officer

Place: BHARUCH

DR. DEVKUMAR VARMA
M.D. (PATH) MBBS, CIB
OCCUPATIONAL HEALTH CONSULTANT
REG. NO: G-11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	KIRUNAL PRASADPATI
Age / Sex :	26 / male

Present Medical Illness :	NIL
Past Medical History :	APPENDIX OPERATED
Dietary Habits :	NIL
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	167 cm	Weight :	47.4 Kgs	BMI :	17.0 Kg/m ²
----------	--------	----------	----------	-------	------------------------

Temperature :	F	Pulse Rate :	77/min
Blood Pressure :	120/80 mm Hg	SpO ₂ :	99 %

Trismus Test	
--------------	--

General Examination	NORMAL
Central Nervous System	NORMAL
Ear/Nose/Throat	NORMAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	NORMAL
Musculoskeletal System	NORMAL

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour vision	NAD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	5900	Bld group	O ⁺ VB	RBS	PS-0	LFT	29120
RFT	0.7	G6PD	22.3	HBsAg	NON Reactive	Ur R&M	NORMAL
PFT	NORMAL	PTA		ECG	WNL	CXR	NORMAL

I have personally examined Mr/Ms. Krunal Prajapati and have verified his/her reports to be authentic.

Remarks (if any) :

Name of Physician	DR. DEVKUMAR VARMA M.D. (PATH, MBBS, CH)
Stamp	OCCUPATIONAL HEALTH CONSULTANT REG. NO. G-11075
Date	25/05/2023
Place	BHARUCH.



आरती इंडस्ट्रीज लिमिटेड

मेडिकल हिस्ट्री की स्व घोषणा

नाम :	Kamal Prasad	उम्र और लिंग :	24 / m
पतेसी का नाम :		पेशवा :	
डिवाइजन :		एम्प्लोयी कोड / गेट पास नं. :	

क्या आपको निम्नलिखित स्वास्थ्य समस्या है ?	यदि हाँ, तो विस्तार में बताएं			
	हाँ	नहीं	टिप्पणी	
1. बलत प्रेशर की बीमारी (रक्तचाप)				
2. टायफॉइड - बुखार की बीमारी (मधुमेह)				
3. इटय से जुड़े हुए समस्या - छाती में दर्द / हाई एटेक/अन्यजल इटय की बीमारी विनोद				
4. इयसन संबंधी समस्याएं - अस्थमा / सांस की तकलीफ / ज्यादा समय से खांसी विनोद				
5. दिमाग सम्बंधित समस्या (मिर्गी - खींच आना, लकवा होना, पॉस्त्रो विनोद)				
6. किडनी / पित्तवाय से संबंधित समस्या जैसे पीलिया / हेपेटाइटिस / पित्त की पथरी विनोद				
7. पाचन तंत्र सम्बंधित समस्या - पेट में छासे / उलटी या संज्ञा में खूब आना / विनोद				
8. किडनी संबंधी समस्या - यूरिन में खून / पथरी का दर्द / यूरिन में खून आना विनोद				
9. रक्त संबंधी समस्याएं - हीमोग्लोबिन की कमी / टुक कलिया की कमी / लिफ्ट सेल एनीमिया / सीलेडीमिया विनोद				
10. सायराइड (खैना/गोइटर) जैसी कोई अंतः क्रावी समस्या				
11. बनार दर्द / अंग विकृति / रीढ़ की हड्डी / डिस्क की समस्या / जोड़ों की समस्या विनोद				
12. उर्लिया सम्बंधित समस्या - तज्जर की कजजोटी / रंग पड़वानने में तकलीफ होना / मोतिया बिन्दु विनोद				
13. क्या आप कॉन्टैक्ट लेस पहनते हैं ?				
14. कान के सम्बंधित समस्या - कान में चक्कर/चर्रा होना / सही से सुनई न देना / विनोद				
15. त्वचा सम्बंधित समस्या - लाल चकत्ते होना / सोरियासिस / घाव - विकृति के निशान विनोद				
16. क्या आप किसी संक्रमित रोग से पीड़ित हैं ? - साथ रोग / एच आई वी / हेपेटाइटिस बी / बुण्ड रोग विनोद				
17. मानसिक बीमारी				
18. किसी दवाई / खाना / या अन्य कोई चीज की अलैजी				
19. चक्कर आना				
20. उंचाई से डर लगना / अँधेरे से डर लगना विनोद				
21. पैर में सूजन / हडिया / सिड्रोमिस / पेट में पानी भरना विनोद				
22. क्या आप कभी अस्पताल में भर्ती हुए हैं ?				
23. कभी कोई ओपरेसन / सर्जरी हुआ है ?			Appendix	
24. किसी भी नशीली दवा / शराब / तंबाकू का सेवन /पुरुषाण				
25. क्या आपने लम्बे समय तक कोई दवाइया खाई है ? या वर्तमान में कोई दवा ले रहा है ?				
26. क्या आपके कभी कोई व्यवसाय सम्बंधित घोट / बीमारी हुई है ?				
27. क्या कभी जीम / हीट या मासुली में गीलापन हुआ है ?				
28. क्या आपके परिवार में किसी को रक्ताचाप/बुखार की बीमारी / हाई अटेक / मानसिक बीमारी/ दमा / कैंसर है ?				
29. महिलाओं के लिए	असहरी मासिक की तारीख _____			
	इसी रोग संबंधी समस्या			
30. हाल में कोई समस्या / बीमारी है ?				

मैं प्रमाणित करता हूँ की मेरे द्वारा दिया गया उपर्युक्त विवरण मेरी जानकारी और विश्वास के अनुसार सही और पूर्ण है।
 केवल गौन स्टोन काम के लिये : मैं इस बात की घोषणा करता हूँ कि मैं कंपनी नीति के उपबन्धन में रासायनिक प्रक्रिया सेबी में काम नहीं करूंगा।

दिनांक: 25/05/23
 स्थान: Bharuch

Kamal

स्थान के हस्ताक्षर या कार्यालय का निशान



Aarti Industries Limited

Self Declaration of Medical History

Name:	Krunal Prinjapati	Age/Sex:	24 / m
Agency Name:		Function:	
Division Name:		Emp. code/ Gate pass No:	

Do you have any of the following health problems?		Yes	No	Remark
If Yes, specify in remark column				
1	High / low blood pressure		✓	
2	Diabetes Mellitus (Blood Sugar Problem)		✓	
3	Heart related problems - Chest pain, Heart Attack, Congenital conditions, valvular heart disease etc.		✓	
4	Respiratory related problems - Asthma/Shortness of breath/Chronic cough etc.		✓	
5	Nervous system related problems - Convulsion/Fits/Paralysis/Polio etc.		✓	
6	Liver/Gall Bladder related problems like jaundice /Hepatitis/Gall stones etc.		✓	
7	Digestive system related problems - Peptic ulcer/bloody vomiting or stool/irregular bowel habits etc.		✓	
8	Kidney related problems - Renal stones/Blood in urine etc		✓	
9	Blood related problems - Anemia/Low platelet count/Sickle cell anemia/Thalassemia etc.		✓	
10	Any endocrine related disorder like thyroid conditions etc		✓	
11	Musculoskeletal disorders - Backache/Limb deformity/disc problem/joints problem etc.		✓	
12	Eye related problems - Refractive errors/colour blindness/squint/cataract etc.		✓	
13	Do you wear any contact lenses?		✓	
14	Ear related problems - Ear discharge/hearing loss/tinnitus etc.		✓	
15	Skin related problems - Rashes/psoriasis/scars etc.		✓	
16	Are you suffering from any communicable diseases? - Tuberculosis/HIV/Hepatitis B /Leprosy etc.		✓	
17	Mental Health related problem		✓	
18	Any Allergy - Drug/Food/Other		✓	
19	Vertigo / Giddiness		✓	
20	Phobia (Fear of hight or closed places/darkness)		✓	
21	Ankle swelling/Hernia / Hydrocele/Abdominal swelling etc		✓	
22	Any history of hospitalisation in past?	✓		
23	Any history of past surgeries?	✓		Appendix
24	Consumption/Habit - Drug/Alcohol/Tobacco/Smoking?		✓	
25	Any history of long term medications? OR currently taking any medication?		✓	
26	Any history of occupational injuries/illness in past?		✓	
27	Any past history of cyanosis? (Bluish discolouration of tongue/lips/nails)		✓	
28	Family History of Diabetes/Hypertension/Heart Attack/Mental disorder/ Asthma/cancer		✓	
29	For Female Last Menstrual Period _____ Any gynaecological disorder?	✓	✓	✓
30	Any present complaints?		✓	

Additional Remark

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.
For non-routine work only : I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 25/05/23
Place: Bharuch

Sign/Left thumb impression of candidate

FORM NO. 33
(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

- | | | | |
|----|--|---|---------------------------|
| 1. | Serial number in the register of adult workers | : | |
| 2. | Name of the person examined | : | Krunal Prajapati |
| 3. | Father's Name | : | Parsottambhai Prajapati |
| 4. | Sex | : | Male |
| 5. | Residence | : | Khambhat |
| 6. | Date of birth, if available | : | 23/07/1998 |
| 7. | Name & address of the factory | : | Aarti Industries Limited. |
| 8. | The worker is employed/proposed | : | |
| | (a) Hazardous process | : | |
| | (b) Dangerous operation | : | |

I certify that I have personally examined the above named person whose identification marks are Mole On Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 24 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.

X - Krunal
Signature or left hand thumb
Impression of the person examined:

Signature of the Factory Medical Officer

DR. DEVKUMAR VARMA
M.D. (PATH, MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO: G-11875

Stamp of factory
Medical Officer with

Name of the Factory:



TEST REPORT



Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobin	14.6	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	5.0	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	46.7	%	40 - 50	Cumulative Pulse Height
MCV	93.2	fl	83 - 101	Derived From RBC Histogram
MCH	30.2	pg	27 - 32	Calculated
MCHC	32.0	%	31.5 - 34.5	Calculated
RDW	13.2	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	5900	/c.mm	4000 - 10000	Electrical Impedance
Differential Count [%]		Unit	Biological Ref. Interval [Abs.]	Unit Biological Ref. Interval
<i>(Flowcytometry / MICROSCOPY)</i>				
Polymorphs	70	%	40 - 80	4130 /c.mm 2000 - 7000
Lymphocytes	26	%	20 - 40	1534 /c.mm 1000 - 3000
Monocytes	03	%	2 - 10	177 /c.mm 200 - 1000
Eosinophils	01	%	1 - 6	59 /c.mm 00 - 500
Basophils	00	%	0 - 2	0 /c.mm 00 - 100
Neutrophil to Lymphocyte Ratio (NLR)	2.7	%	0.78 - 3.53	Calculated
Platelet Count	351000	/c.mm	150000 - 410000	Electrical Impedance
ESR	04	mm		Modified westergren method

REFERENCES
(1) Practical Hematology by Dacie & Lewis (12th Edition).
(2) Nathan/Oski, Hematology of Infancy and Childhood (7th Edition, 2009).

----- End Of Report -----

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)

* Bold Indicates Abnormal Values
This is an electronically authenticated report.



2301005093

TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.1	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.6	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.1	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.5	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	29	U/L	0 - 40	IFCC
S.G.O.T. (AST)	20	U/L	0 - 40	IFCC
Alkaline Phosphatase	52	U/L	35 - 105	AMP
Random Plasma Glucose	85	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)



2301005093

TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	0.7	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	22.1	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	10.3	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	14.7	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)



2301005093

TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

SERUM CHOLINESTERASE ESTIMATION

(Specimen: Serum)

Investigation	Result	Unit	Biological Reference Interval	Method
Cholinesterase	6500	U/ml	4250 - 12000	Dri-chemistry

Comments:

- Cholinesterase is also called pseudocholinesterase.
- **The main indicators for measuring pseudocholinesterase are:**
 - Monitoring exposure to cholinesterase inhibitors
 - As a liver function test
 - Diagnosis of genetic variants.
- The most important use of cholinesterase is to measure the exposure to organophosphorus compounds like organophosphate insecticide which are irreversible inhibitors of both pseudocholinesterase and acetylcholinesterase.
- For individuals working in industries manufacturing organophosphate insecticides, a baseline measurement is recommended. A decrease of 40% from baseline produces symptoms and a decrease of 80% from baseline leads to severe symptoms.
- Pseudocholinesterase reflects acute toxicity while acetyl cholinesterase (true cholinesterase) reflects chronic exposure

Decreased levels:

- Organophosphate poisoning .
- Liver diseases like Acute hepatitis, Cirrhosis & Metastatic carcinoma to liver.
- Malnutrition

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)

AKSHAY PATEL
B.Sc. DMML
Director & Founder
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. NITESH PATEL
M.D. Microbiology
Reg. No. G-2490

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, 1st Floor, Park Costa, Behind Super Market, Station Rd, Bhiwandi, Gujarat 392001

H 101/102, 1st Floor, Park Costa, Behind Super Market, Station Rd, Bhiwandi, Gujarat 392001



TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quantitative	12.3	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

----- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)



2301005093

TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval
HBsAg Qualitative	Non-Reactive		Non -Reactive

Please Note: This is Rapid screening test please confirm it with Elisa test (confirmatory test).

----- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)



TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)
Method : (Microscopic Examination)

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected

----- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)



2301005093

TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Investigation	Result	Method
ABO TYPE	"O"	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).

----- End Of Report -----

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)

• Bold Indicates Abnormal Values
This is an electronically authenticated report.



TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.))

Investigation	Result	Biological Ref. Interval	Method
PHYSICAL EXAMINATION			
<u>Colour</u>	Pale Yellow	Pale Yellow	
<u>Transparency</u>	Clear	Clear	
CHEMICAL EXAMINATION (Automated Strip test)			
<u>Specific Gravity</u>	1.005	1.005 - 1.025	
<u>Reaction (pH)</u>	7.0	4.5 - 8.0	
<u>Sugar</u>	Absent	Absent	
<u>Acetone</u>	Absent	Negative	
<u>Proteins</u>	Absent	Absent	
<u>Bilirubin</u>	Absent	Negative	
<u>Urobilinogen</u>	Absent	Negative	
<u>Leukocyte Esterase</u>	Absent	Negative	
<u>Nitrite</u>	Absent	Negative	
<u>Blood</u>	Absent	Negative	
MICROSCOPIC EXAMINATION			
Result	Unit	Biological Ref. Interval	Method (Microscopy)
<u>Pus Cells</u>	1-2	/HPF	Absent
<u>Red Cells</u>	NIL	/HPF	Absent
<u>Epithelial Cells</u>	3-4	/HPF	Absent

----- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)

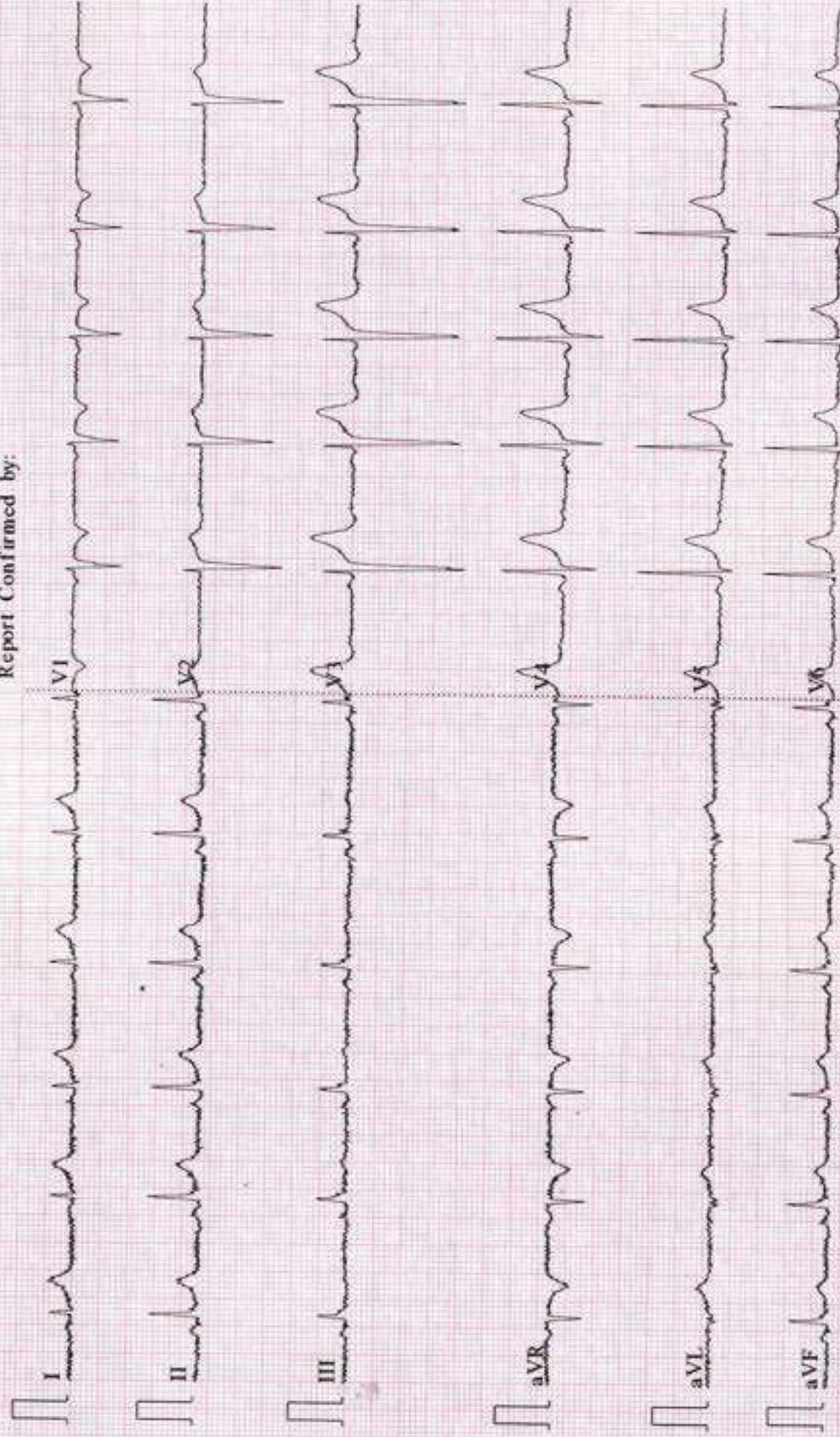
KRUNAL PRAJAPATI
Male 24Years

HR : 66 bpm
P : 93 ms
PR : 126 ms
QRS : 91 ms
QT/QTc : 361/381 ms
PQRST : 67.67/39 °
RV5/SVI : 1.637/0.836 mV

Diagnosis Information:
Sinus Arrhythmia

WNL

Report Confirmed by:



MATESHREE ENT. HOSPITAL

AUDIOGRAM



DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____ Date : _____

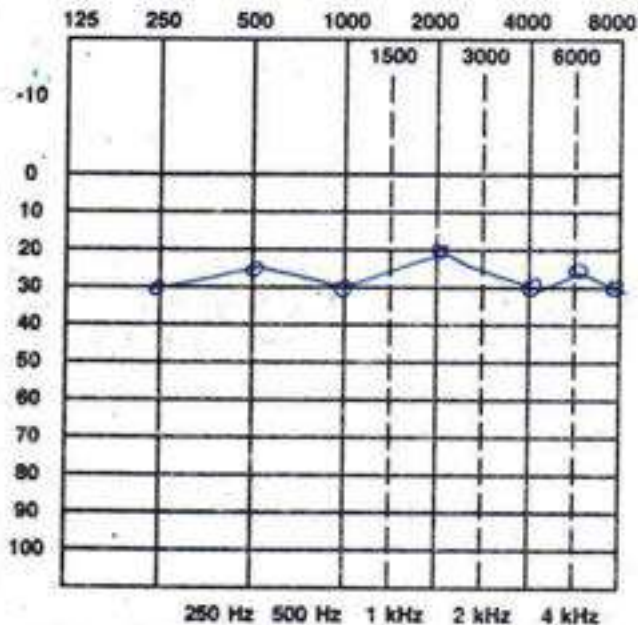
Audiogram of Krunal Rajgopal

Age _____ Yrs. Sex _____ Ref. by _____

Occupation _____

Address _____

RIGHT



250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

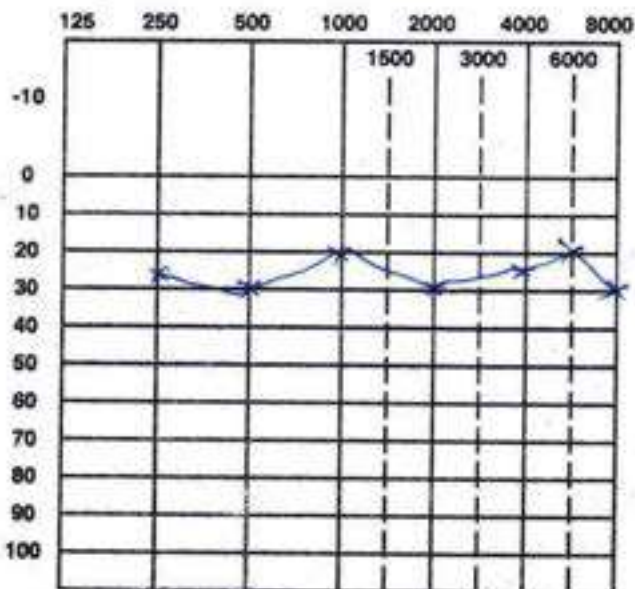
WEBER

Lateralized to

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	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△		0 ↓
L	X	>	□		X ↓

LEFT



250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

Clinical Findings _____

Comments

B/L Normal

Dr. Gaurang Joshi

D.L.O.M.S. (ENT)

Regd. G. 687

Mateshree ENT Hospital

C-15, Capital Business Center,

Panchbatti, BHARUCH-392001

Ph.: (H) 02642-269880

DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



Medicaid

Medicaid Systems 389, Phase-II, Industrial Area

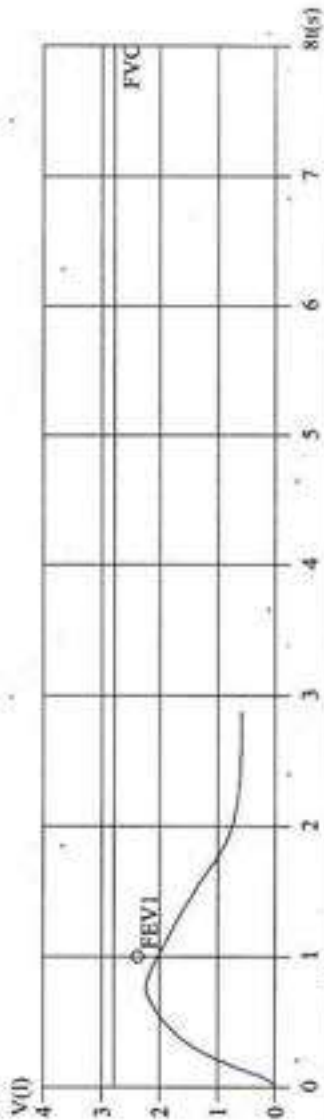
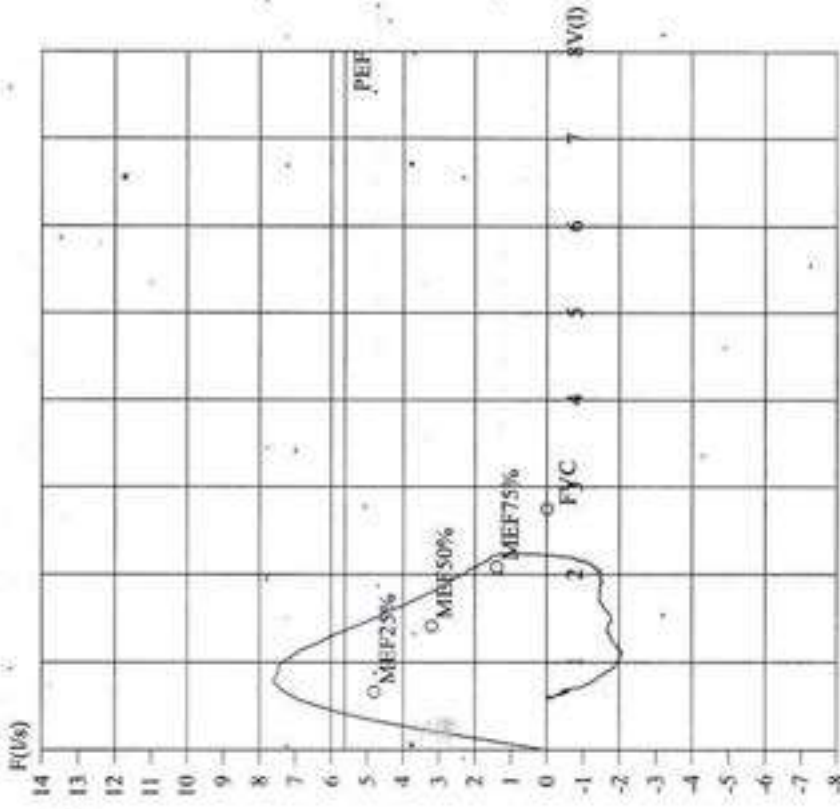
Last Name: **KRUNAL PRAJAPATI**
First Name: **KRUNAL PRAJAPATI**
ID: **193**
Date: **25-05-2023**
Predicted: **ERS 93**

Date of Birth: **10-05-1999**
Sex: **Male**
Ethnic Corr.: **60%**
Description:
Comments:

Age: **24**
Weight (Kg): **47**
Height (cm): **167**
BSA (m2): **1.51**
Smoke: **ex**

TEST #1 - 25-05-2023

Forced Vital Capacity



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	2.79	2.37	84.9
FEV0.5(L)	—	2.03	—
FEV1(L)	2.4	2.14	89.2
FEV1/FVC%	82.89	90.3	108.9
PEF(L/s)	5.62	7.62	135.6
PIF(L/s)	—	2.05	—
PEF25-75%(L/s)	2.94	5.98	203.4
Vmax25%(L/s)	4.77	6.92	145.1
Vmax50%(L/s)	3.14	6.79	216.2
Vmax75%(L/s)	1.44	3.8	263.9
FET100%(s)	—	0.76	—
ELA (Years)	74	82	

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC>80%Pred%FEV1/FVC and FVC>80%PredFVC)

DR. DEVIKUMAR VARMA
M.D. (PACR), MBBS, CCRP
Mr. OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075



NAME : KRUNAL PRAJAPATI
DATE : 25/05/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

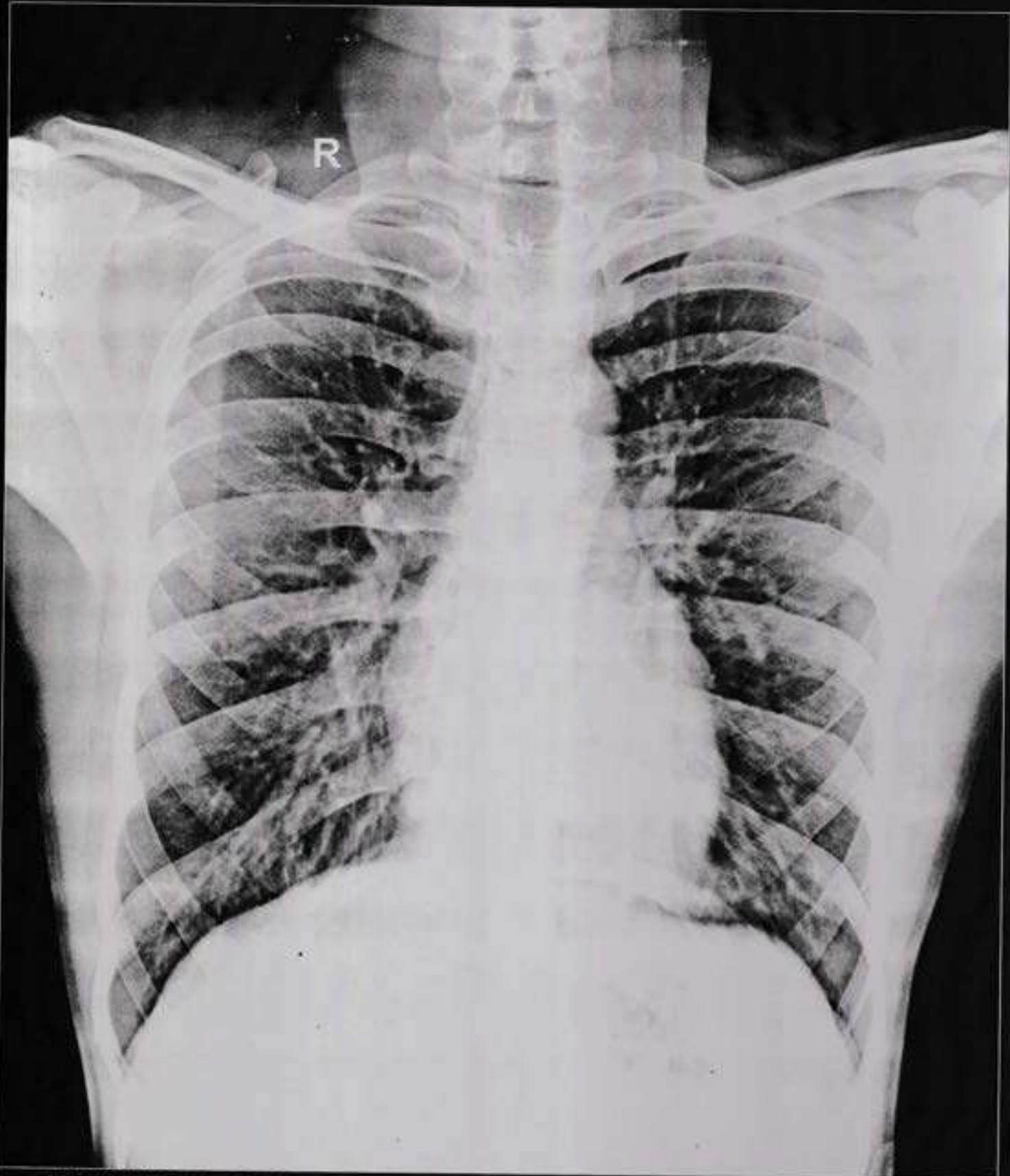
Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

K. B. Vasava

DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST



KRUNAL PRAJAPATI 250503 M CHEST PA 25-May-23 12:15 PM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



S R Healthcare Services

+91 704 371 6666

srhealthcarebh@gmail.com

Medical Certificate of Fitness


Date : 25/07/2023

We hereby certify that we have carefully examined Mr. Ronakkumar Patel Age 26Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.

Pre-employment Medical health Check-up

Sign of Consultant:

Stamp of Consultant:


DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: PATEL RONAKKUMAR M.

Age: 26

Sex: MALE

Present Medical Illness: NIL

Past Medical History: NIL

Dietary Habits: VEGETARIAN

Addiction History: NIL

Family Medical History: NIL

Occupational History: NIL

Height: 174 cms

Weight: 68.3 Kgs

BMI: 22.6 Kg/m²

BP: 110/80 mmHg

PR: 71 /min

T: - F

SpO₂: 99 %

General Examination: ROMBERG'S TEST NEGATIVE

CNS: WELL ORIENTED & CONSCIOUS CVS: S1 & S2 HEARD
NORMAL

RS: BIL AIR ENTRY
NORMAL

PA: NORMAL

Trismus Test: -

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N16</u>	<u>N16</u>
Far Vision	<u>616</u>	<u>616</u>
Colour Vision	<u>INAD</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms Ronakkumar and have found his/her reports to be authentic.

Date: 25/07/2023

Signature of Medical Officer

Place: BHARUCH

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	PATEL RONARKUMAR M.
Age / Sex :	26 MALE

Present Medical Illness :	NIL
Past Medical History :	NIL
Dietary Habits :	VEG
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	174 m	Weight :	68.3 Kgs	BMI :	22.6 Kg/m ²
----------	-------	----------	----------	-------	------------------------

Temperature :	—	F	Pulse Rate :	71	/min
Blood Pressure :	110/80	mm Hg	SpO ₂ :	99	%

Trismus Test	—
--------------	---

General Examination	Normal
Central Nervous System	Normal
Ear/Nose/Throat	Normal
Cardiovascular System	Normal
Respiratory System	Normal
Gastrointestinal System	Normal
Integumentary System	Normal
Musculoskeletal System	Normal

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour vision	MAD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	3400	Bld group	B ⁺ ve	RBS	95.6	LFT	14/23
RFT	0.9	G6PD	12.6	HBsAg	Non Reactive	UrR&M	Normal
PFT	Normal	PTA		ECG	WNL	CXR	Normal

I have personally examined Mr/Ms. Ronakkumar Patel and have verified his/her reports to be authentic.

Remarks (If any) :

Name of Physician	DR. DEVKUMAR VARMA
Stamp	M.D. (PATH), MBBS, CHH OCCUPATIONAL HEALTH CONSULTANT REG. NO.: G-11075
Date	25/03/2023
Place	BHARUCH



आरती इंडस्ट्रीज लिमिटेड

मेडिकल हिस्ट्री की स्व घोषणा

नाम:	Pictel Bismak Kumar M	उम्र और लिंग:	26, male	
राज्य का नाम:		पंखजन:		
किरीटन:		एम्प्लोयी कोड / गेट पास नं.:		
क्या आपको निम्नलिखित स्वास्थ्य समस्या है ?		हाँ	नहीं	टिप्पणी
यदि हाँ, तो विस्तार में बताये				
1	बलु प्रेशर की बीमारी (उच्चचाप)		<input checked="" type="checkbox"/>	
2	अपडिटेड - बुखार की बीमारी (अपुण्यसूत्र)		<input checked="" type="checkbox"/>	
3	हृदय में जुड़ी हुई समस्या - छाती में दर्द, हाई एटेक/अनसह्य हृदय की बीमारी विगेरे		<input checked="" type="checkbox"/>	
4	सहज संबंधी समस्याएं - अस्थमा / सास की तकलीफ / अनांद समय से छाती विगेरे		<input checked="" type="checkbox"/>	
5	दिमाग संबंधित समस्या (डिप्रेसी, एंटीप आउट, लकवा होना, पेलिसी विगेरे)		<input checked="" type="checkbox"/>	
6	शिरा / शिरावाय में संबंधित समस्या जैसे पेलिसी / हेपेटाइटिस / पित्त की पथरी विगेरे		<input checked="" type="checkbox"/>	
7	पाचन तंत्र संबंधित समस्या - पेट में छाने / उलटी या संडास में खून आना / विगेरे		<input checked="" type="checkbox"/>	
8	किडनी संबंधी समस्या - पुरिन में आना / पथरी का दर्द / पुरिन में खून आना विगेरे		<input checked="" type="checkbox"/>	
9	रक्त संबंधी समस्याएं - हीमोग्लोबिन की कमी / ट्राक कलिकस की कमी / थिक्क होना एनीमिया / थ्रोरोमोबिमा विगेरे		<input checked="" type="checkbox"/>	
10	सायरसुड (टीएम/टीडटर) जैसे कोई अंत-छली समस्या		<input checked="" type="checkbox"/>	
11	कमर दर्द / अंग विकृति / रीढ़ की हड्डी / थिक्क की समस्या / जोड़ों की समस्या विगेरे		<input checked="" type="checkbox"/>	
12	अधिक संबंधित समस्या - संजय की कमजोरी / रंग पहचानने में तकलीफ होना / अलिया थिक्क विगेरे		<input checked="" type="checkbox"/>	
13	क्या आप कॉन्टैक्ट लेस पहनते हो ?		<input checked="" type="checkbox"/>	
14	कमर के संबंधित समस्या - कमर में फाल्चुरा होना / कडी से मुड़ने में टैन / विगेरे		<input checked="" type="checkbox"/>	
15	त्वचा संबंधित समस्या - आना फाल्करी होना / सोरियासिस / घाव - विकृति के निशान विगेरे		<input checked="" type="checkbox"/>	
16	क्या आप किसी संबंधित रोग से पीड़ित हो ? - शय रोग / एच आई वी / हेपेटाइटिस बी / टुपुड रोग विगेरे		<input checked="" type="checkbox"/>	
17	सामयिक बीमारी		<input checked="" type="checkbox"/>	
18	किसी टागई / खाना / या अन्य कोई चीज की अलेजी		<input checked="" type="checkbox"/>	
19	एचकर आना		<input checked="" type="checkbox"/>	
20	ऊँचाई से डर लगना / ओपरे से डर लगना विगेरे		<input checked="" type="checkbox"/>	
21	पैर में सूजन / इडिया / हीडुसिल / पैर में पानी भरना विगेरे		<input checked="" type="checkbox"/>	
22	क्या आप कभी अस्पताल में अली हुए हो ?		<input checked="" type="checkbox"/>	
23	कभी कोई अलियरेसन / सजीरी हुआ है ?		<input checked="" type="checkbox"/>	
24	किसी भी नशीली टाग / शराब / तंबाकू का सेवन / पूरण		<input checked="" type="checkbox"/>	
25	क्या आपने समझे समय तक कोई टागइया खाई है ? या कोमल में कोई टाग से रहा है ?		<input checked="" type="checkbox"/>	
26	क्या आपने कभी कोई व्यवसाय संबंधित घोट / बीमारी हुई है ?		<input checked="" type="checkbox"/>	
27	क्या कभी जीन / हीड या मड्डुली में मोलपन हुआ है ?		<input checked="" type="checkbox"/>	
28	क्या आपके परिवार में किसी को रक्तचाप/बुखार की बीमारी / हाई अटेक / सामयिक बीमारी / टाग / कैंसर है ?		<input checked="" type="checkbox"/>	
29	नहिनाओ के लिए	आपकी स्थिति की तरीक		
		सही रोग संबंधी समस्या		
30	हाल में कोई समस्या / टागरी है ?		<input checked="" type="checkbox"/>	
अतिरिक्त टिप्पणी				

मे घोषित करता हूँ कि मेरे द्वारा दिया गया उपरोक्त विवरण मेरी जानकारी और विश्वास के अनुसार सही और पूर्ण है।
 केवल मेरी अटीन बरक के लिये। मैं इस बात की घोषणा करता हूँ कि मैं कभी भी मेरे उल्लेख में राज्याधिक प्रक्रिया होने में काम नहीं करूंगा।

दिनांक: 25/07/2023
 स्वात: Bhavuch

अधिकार के इतरसकर या बाएंअंगुठे का निशान



Aarti Industries Limited

Self Declaration of Medical History

Name:	<u>Patel Ranakkumar M.</u>	Age/Sex:	<u>26, male</u>
Agency Name:		Function:	
Division Name:		Emp. code/ Gate pass No:	

Do you have any of the following health problems?		Yes	No	Remark
If Yes, specify in remark column				
1	High / low blood pressure		<input checked="" type="checkbox"/>	
2	Diabetes Mellitus (Blood Sugar Problem)		<input checked="" type="checkbox"/>	
3	Heart related problems - Chest pain, Heart Attack, Congenital conditions, valvular heart disease etc.		<input checked="" type="checkbox"/>	
4	Respiratory related problems - Asthma/Shortness of breath/Chronic cough etc.		<input checked="" type="checkbox"/>	
5	Nervous system related problems - Convulsion/Fits/Paralysis/Polio etc.		<input checked="" type="checkbox"/>	
6	Liver/Gall bladder related problems like jaundice /Hepatitis/Gall stones etc.		<input checked="" type="checkbox"/>	
7	Digestive system related problems - Peptic ulcer/bloody vomiting or stool/irregular bowel habits etc.		<input checked="" type="checkbox"/>	
8	Kidney related problems - Renal stones/Blood in urine etc		<input checked="" type="checkbox"/>	
9	Blood related problems - Anaemia/Low platelet count/Sickle cell anemia/Thalassemia etc.		<input checked="" type="checkbox"/>	
10	Any endocrine related disorder like thyroid conditions etc		<input checked="" type="checkbox"/>	
11	Musculoskeletal disorders - Backache/Limb deformity/disc problem/joints problem etc.		<input checked="" type="checkbox"/>	
12	Eye related problems - Refractive errors/colour blindness/squint/cataract etc.		<input checked="" type="checkbox"/>	
13	Do you wear any contact lenses?		<input checked="" type="checkbox"/>	
14	Ear related problems - Ear discharge/hearing loss/tinnitus etc.		<input checked="" type="checkbox"/>	
15	Skin related problems - Rashes/psoriasis/scars etc.		<input checked="" type="checkbox"/>	
16	Are you suffering from any communicable diseases? - Tuberculosis/HIV/Hepatitis B /Leprosy etc.		<input checked="" type="checkbox"/>	
17	Mental Health related problem		<input checked="" type="checkbox"/>	
18	Any Allergy - Drug/Food/Other		<input checked="" type="checkbox"/>	
19	Vertigo / Giddiness		<input checked="" type="checkbox"/>	
20	Phobia (Fear of height or closed places/darkness)		<input checked="" type="checkbox"/>	
21	Ankle swelling/Hernia / Hydrocele/Abdominal swelling etc		<input checked="" type="checkbox"/>	
22	Any history of hospitalisation in past?		<input checked="" type="checkbox"/>	
23	Any history of past surgeries?		<input checked="" type="checkbox"/>	
24	Consumption/Habit - Drug/Alcohol/Tobacco/Smoking?		<input checked="" type="checkbox"/>	
25	Any history of long term medications? OR currently taking any medication?		<input checked="" type="checkbox"/>	
26	Any history of occupational injuries/illness in past?		<input checked="" type="checkbox"/>	
27	Any past history of cyanosis? (Bluish discoloration of tongue/lips/nails)		<input checked="" type="checkbox"/>	
28	Family History of Diabetes/Hypertension/Heart Attack/Mental disorder/ Asthma/cancer		<input checked="" type="checkbox"/>	
29	For Female Last Menstrual Period _____ Any gynaecological disorder?		<input checked="" type="checkbox"/>	
30	Any present complaints?		<input checked="" type="checkbox"/>	
Additional Remark				

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.
For non-routine work only: I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 25/07/2023
Place: Bhwaich


Sign/Left thumb Impression of candidate

FORM NO. 33
(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

- | | | | |
|----|---|---|-----------------------------|
| 1. | Serial number in the register
of adult workers | : | |
| 2. | Name of the person examined | : | Ronakkumar Patel |
| 3. | Father's Name | : | Mahendrabhai Patel |
| 4. | Sex | : | Male |
| 5. | Residence | : | Vadodara |
| 6. | Date of birth, if available | : | 09/11/1996 |
| 7. | Name & address of the factory | : | Aarti industries Ltd, Dahej |
| 8. | The worker is employed/proposed | : | |
| | (a) Hazardous process | : | |
| | (b) Dangerous operation | : | |

I certify that I have personally examined the above-named person whose identification marks are Mole on Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 27 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.



Signature or left-hand thumb
Impression of the person examined:

Signature of the Factory Medical Officer

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Stamp of factory
Medical Officer with

Name of the Factory:

ID: 35

RONAK PATEL
Male 26Years

25-07-2023 11:14:46

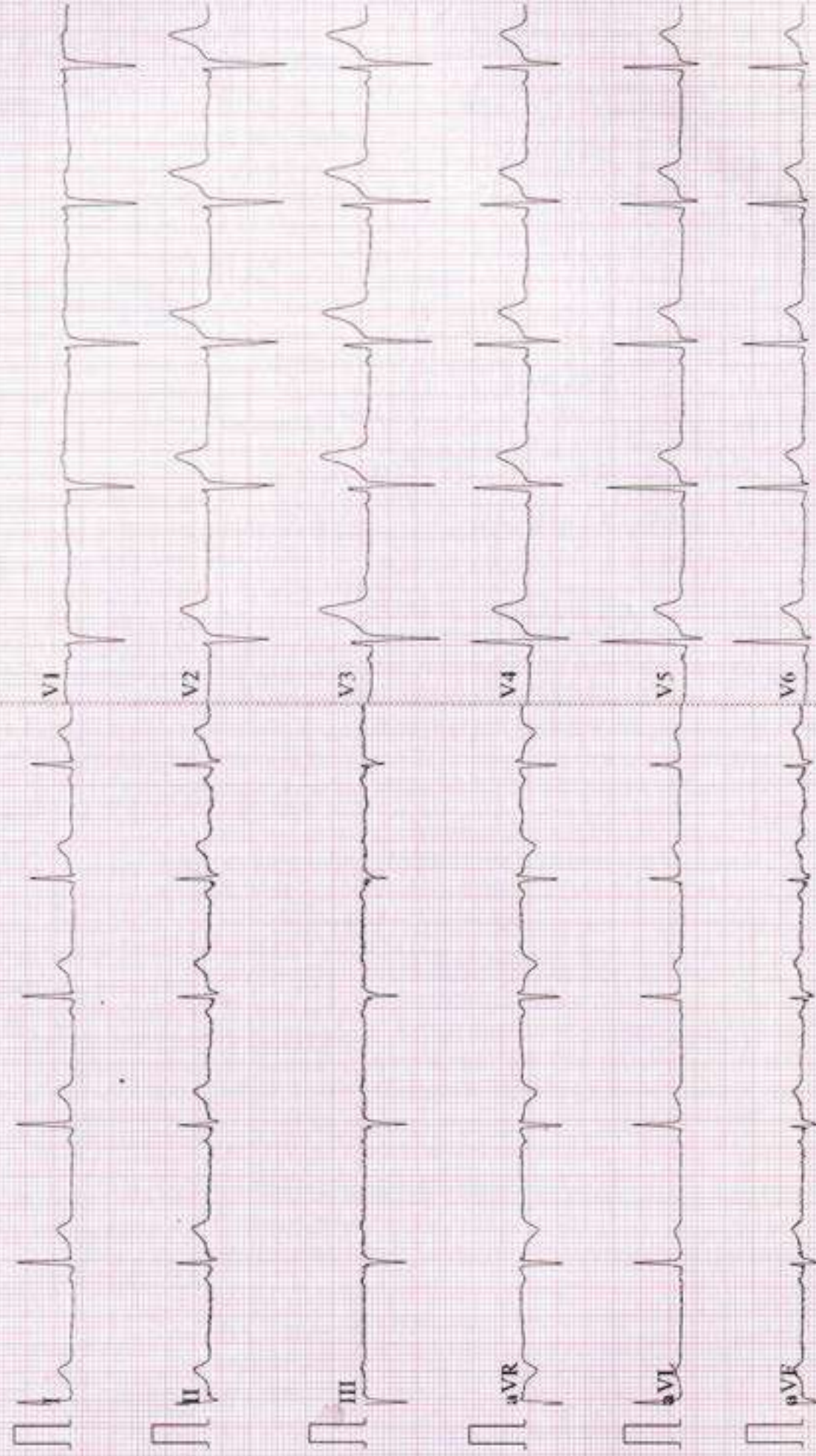
HR : 61 bpm
P : 93 ms
PR : 132 ms
QRS : 84 ms
QT/QTc : 359/364 ms
PQRST : 61/-12/41 °
RV5/SV1 : 1.259/1.139 mV

Diagnosis Information:

Sinus Arrhythmia
Abnormal Q Waves(III)

WNL

Report Confirmed by:



MATESHREE ENT. HOSPITAL

AUDIOGRAM

DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____ Date : 25/07/2023

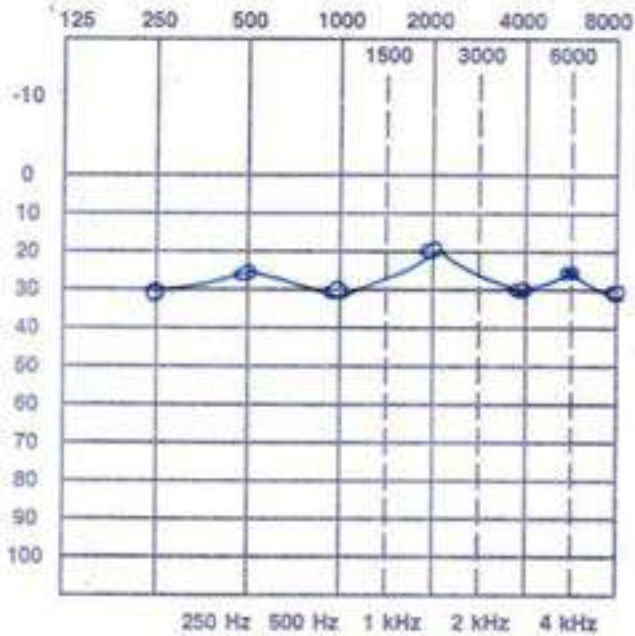
Audiogram of Ronakkumar

Age 26 Yrs. Sex Male Ref. by _____

Occupation _____

Address _____

RIGHT



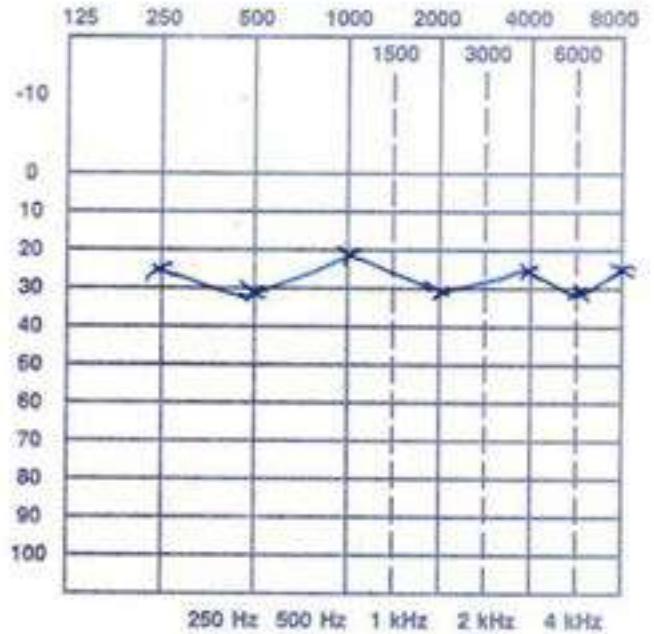
250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

WEBER
Lateralized to

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	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△		0
L	X	>	□		X

LEFT



250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

Clinical Findings _____

Comments B/L Normal

Dr. Gaurang Joshi
D.L.O.M.S. (ENT)
CIH
Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH
DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



Medicaid Systems
389, Phase-II, Industrial Area

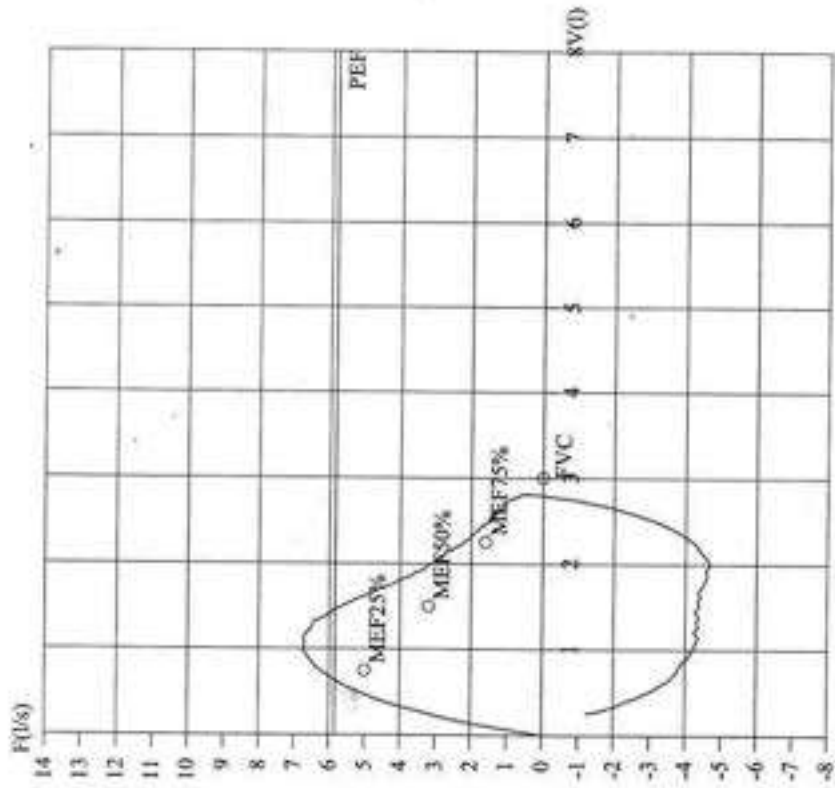
Last Name: **RONAKKUMAR PATEL**
 ID: **367**
 Date: **25-07-2023**
 Predicted: **ERS 93**

Date of Birth: **10-07-1997**
 Sex: **Male**
 Ethnic Corr.: **60%**
 Description:
 Comments:

Age: **26**
 Weight (Kg): **68**
 Height (cm): **174**
 BSA (m²): **1.82**
 Smoke: **no**

— TEST #1 - 23-07-2023

Forced Vital Capacity



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	3	2.98	99.3
FEV0.5(L)	---	2.01	---
FEV1(L)	2.54	2.79	109.8
FEV1/FVC%	82.53	93.62	113.4
PEF(L/s)	5.83	6.72	115.3
PIF(L/s)	---	4.68	---
FEF25-75%(L/s)	2.97	4.85	163.3
Vmax25%(L/s)	4.97	6.38	128.4
Vmax50%(L/s)	3.26	5.84	179.1
Vmax75%(L/s)	1.52	2.75	180.9
FET100%(s)	---	1.26	---
ELA (Years)	78	78	

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC>80%Pred%FEV1/FVC and FVC>80%PredFVC)

(Signature)
DR. DEVKUMAR VARMA
 M.D. (PATEL), MBBS, CCH
 OCCUPATIONAL HEALTH CONSULTANT
 REG. NO.: 6-11075

Mr



NAME : RONA KUMAR PATEL
DATE : 25/07/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal,

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

K.B. Vasava


**DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST**



R

RONAKKUMAR PATEL 250704 M CHEST PA 25-Jul-23 11:28 AM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



TEST REPORT			
 2301011967			
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobin	15.2	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	4.6	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	42.3	%	40 - 50	Cumulative Pulse Height
MCV	93.3	fL	83 - 101	Derived From RBC Histogram
MCH	32.3	pg	27 - 32	Calculated
MCHC	31.5	%	31.5 - 34.5	Calculated
RDW	12.3	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	7400	/c.mm	4000 - 10000	Electrical Impedance
Differential Count [%]		Unit	Biological Ref. Interval [Abs.]	Unit Biological Ref. Interval
<i>(Flowcytometry /MICROSCOPY)</i>				
Polymorphs	60	%	40 - 80	4440 /c.mm 2000 - 7000
Lymphocytes	37	%	20 - 40	2738 /c.mm 1000 - 3000
Monocytes	02	%	2 - 10	148 /c.mm 200 - 1000
Eosinophils	01	%	1 - 6	74 /c.mm 00 - 500
Basophils	00	%	0 - 2	0 /c.mm 00 - 100
Neutrophil to Lymphocyte Ratio (NLR)	1.6	%	0.78 - 3.53	Calculated
Platelet Count	231600	/c.mm	150000 - 450000	Electrical Impedance
ESR	02	mm		Modified westergren method
REFERENCES	(1) Practical Hematology by Dacie & Lewis (12th Edition). (2) Nathan/Oski, Hematology of Infancy and Childhood (7th Edition,2009).			

----- End Of Report -----



* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489



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2301011967

TEST REPORT

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Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.2	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.6	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.3	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.3	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	14.5	U/L	0 - 40	IFCC
S.G.O.T. (AST)	23.6	U/L	0 - 40	IFCC
Alkaline Phosphatase	74.5	U/L	35 - 105	AMP
Random Plasma Glucose	95.6	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----

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AKSHAY PATEL
B.Sc. DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. NITESH PATEL
M.D. Microbiology
Reg. No. G-24903

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2301011967

TEST REPORT

Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
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Account	: LAB	Mobile No.	:

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	0.9	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	23.6	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	11	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	12.2	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

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2 3 0 1 0 1 1 9 6 7

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Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quantitative	12.6	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

----- End Of Report -----


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Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval
HBsAg Qualitative	Non- Reactive		Non -Reactive

Please Note: This is Rapid screening test please confirm it with Elisa test (confirmatory test).

----- End Of Report -----

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PERIPHERAL SMEAR STUDY

(Specimen: EDTA)
Method : (Microscopic Examination)

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected
:	

----- End Of Report -----

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Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Investigation	Result	Method
ABO TYPE	"B"	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).

----- End Of Report -----

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2 3 0 1 0 1 1 9 6 7

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Name	: Ronakkumar Patel	Age	: (27Y)
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Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
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URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.))

Investigation	Result	Biological Ref. Interval	Method
---------------	--------	--------------------------	--------

PHYSICAL EXAMINATION

Colour Pale Yellow Pale Yellow

Transparency Clear Clear

CHEMICAL EXAMINATION

(Automated Strip test)

Specific Gravity 1.020 1.005 - 1.025

Reaction (pH) 6.5 4.5 - 8.0

Sugar Absent Absent

Acetone Absent Negative

Proteins Absent Absent

Bilirubin Absent Negative

Urobilinogen Absent Negative

Leukocyte Esterase Absent Negative

Nitrite Absent Negative

Blood Absent Negative

MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref.Interval	Method (Microscopy)
-------------------------	--------	------	-------------------------	-----------------------

Pus Cells 1-2 /HPF Absent

Red Cells NIL /HPF Absent


Epithelial Cells 2-3 /HPF Absent

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Pacific School of Engineering

(Approved by AICTE New Delhi & Affiliated to GTU, Ahmedabad)

Ref. No.: PSE/ENGG/CERT/22/10

Date:04/04/2022

DETAIL OF CLEANER PRODUCTION PRACTICES

The Environmental Audit Scheme was introduced by the Gujarat High Court vide its orders dated 20/12/96 & 13/3/97 and modified vide order dated 16/9/99, 22/04/2010 & 23/1/2015. We are recognized by GPCB, Gandhinagar as Schedule- I Environmental Auditor for compliance of the directions of the Hon'ble High Court.

In order to study cleaner production practices, industry has approached us and thus, visits were carried out and evaluated practices of CPP for:

**M/S. AARTI INDUSTRIES LIMITED,
PLOT NO. Z/103/C, DAHEJ-SEZ-II,
TALUKA: VAGRA, DIST. BHARUCH, GUJARAT.**

A. BACKGROUND OF STUDY:

This study includes cleaner production practices adopted by industry. This study mainly included for following processes:

1. Phenol recovery from DCP (Di-chlorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology.
2. DCA (2,5 Di-chloroaniline) recovery from distillation residue with the use of agitated thin film evaporator (ATFE).
3. Reuse of 70% concentrated H_2SO_4 by increasing the concentration of H_2SO_4 to 90% through series of evaporation.
4. Recovery of methanol from DCA obtained during 2, 5-DCA production.

B. Manufacturing process of DCA and DCP:

1. 2,5 DI- CHLORO ANILINE

Initially, 2, 5 Di-chloro nitrobenzene is reacted in an autoclave reactor with



hydrogen gas in presence of metal powder catalyst to produce 2, 5 dichloro aniline. The reaction mixture contains solvent. The reaction is followed by catalyst filtration, solvent recovery, and layer separation and drying. Crude product is then subjected to flash distillation to get the pure product. Product is either sold as liquid or flakes depending on the market requirement.

Stoichiometric reaction:

Di-chloro aniline:

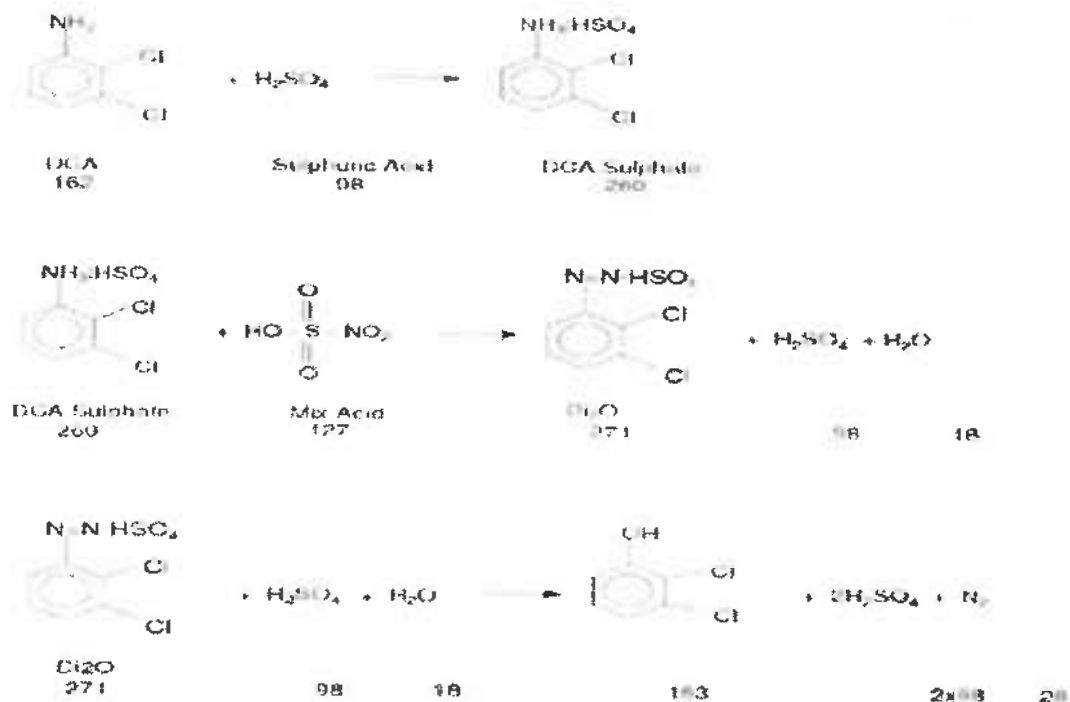
	$C_6H_4NO_2Cl$	+	$3H_2$	\longrightarrow	$C_6H_4NH_2Cl$	+	$2H_2O$
	0.62		0.62		0.62		0.62
Mol. Wt. (kg/kmol)	197		6		167		36.00
Feed (kg/hr)	118		4		100		22.32

2. 2,5 DI-CHLORO PHENOL:

Di Chloro aniline reacts with sulphuric Acid to form Di Chloro aniline sulphate. Di Chloro aniline sulphate reacts with mix acid to form diazo mass. Diazo mass reacts with dilute sulphuric acid to form crude Di Chloro Phenol. This reaction will generate N_2 gas and dilute sulphuric acid. This dilute sulphuric acid will be purified and concentrated for recycle purpose. Crude Di Chloro phenol separate out and distilled to get Di Chloro Phenol.

Stoichiometric reaction:

Di-chloro phenol:

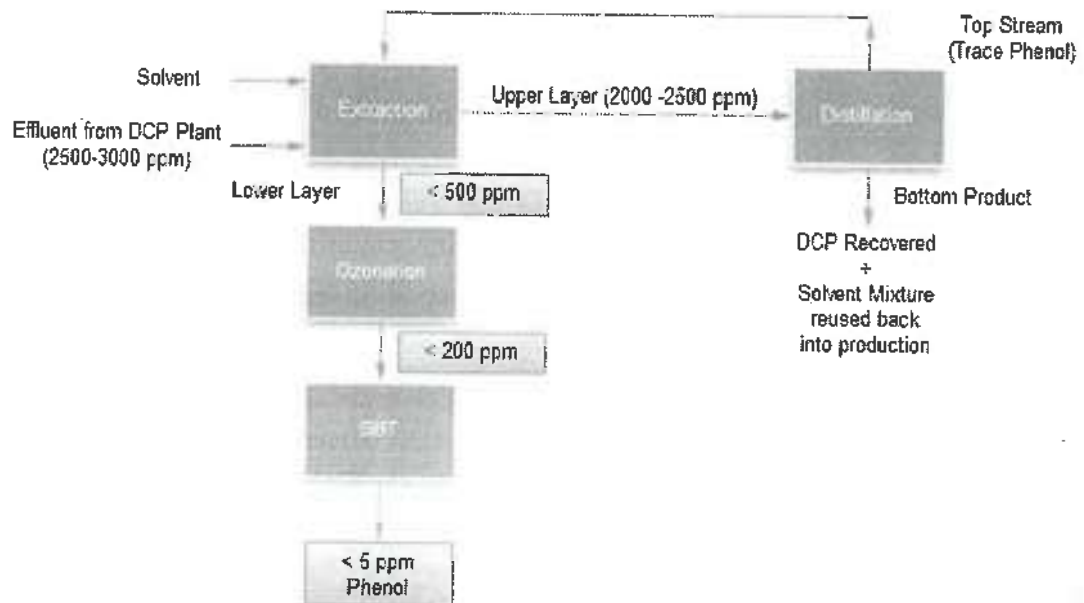


C. KEY HIGHLIGHTS OF CLEANER PRODUCTION PRACTICES:

1. Phenol recovery from DCP(Di-chlorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology

Phenol Recovery through extraction followed by distillation:

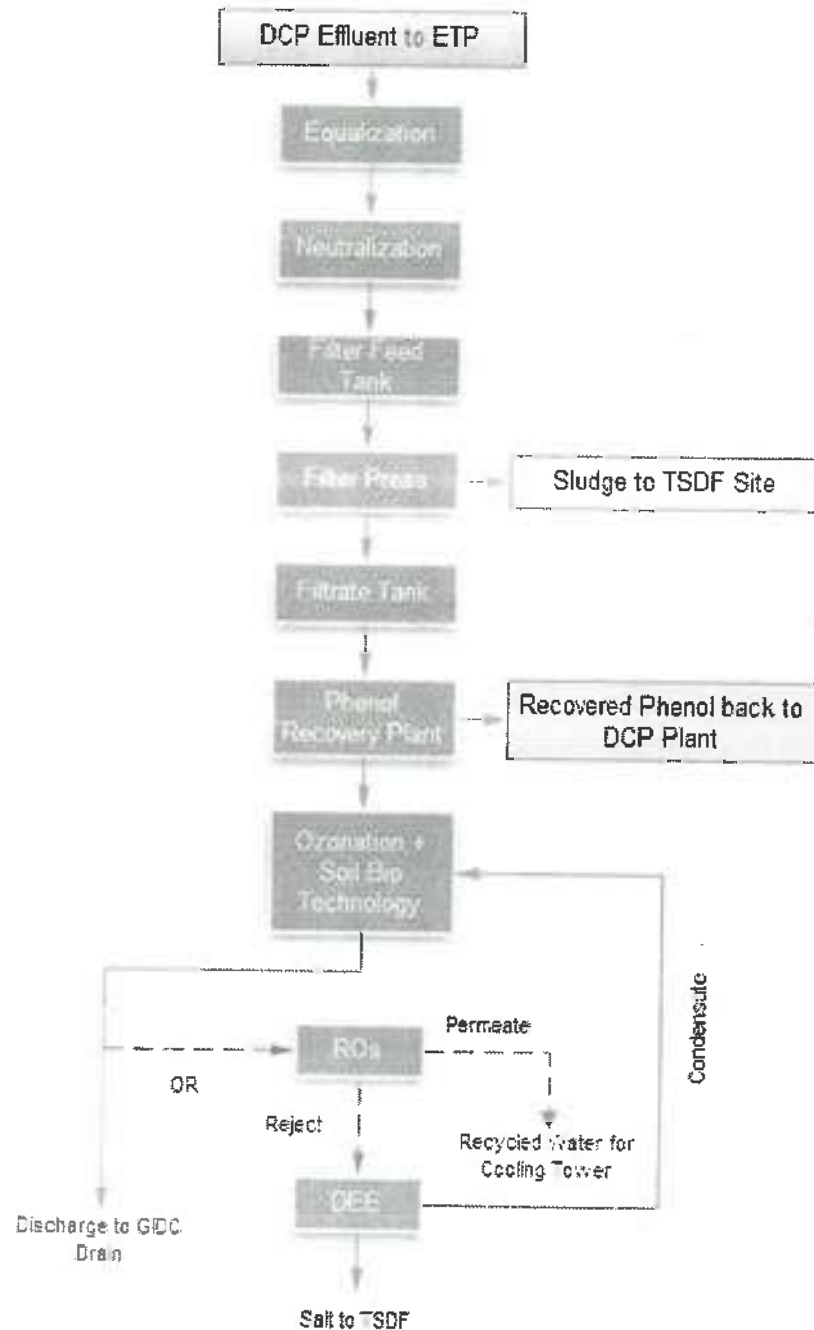
The phenol rich effluent is (2500-3000ppm) generated from the DCP (Di-chlorophenol) plant. The effluent is treated in the extraction column followed by the distillation column. The effluent is initially subjected to a distillation column to recover the phenol and bring down the phenolic content to <500ppm in the bottom of the column. The bottom of the Distillation Column i.e. recovered DCP+solvent mixture is reused back into the production. Top Stream is reused in Extraction Column.



Treatment of phenol by ozonation followed by soil-biotechnology:

Ozonation is followed by the Extraction to further reduce down the phenolic content to <200 ppm. The outlet of the ozonation chamber is subjected to SBT plant that works on biological processes where effluent passes through different stages so as to degrade the assay and breakdown of organic components. Here the effluent is subjected to a series of layers containing bio cultures attached to binding media followed by filtration systems so as to achieve the phenol content in the treated water <5 ppm.

The flowchart of effluent treatment is shown as below:



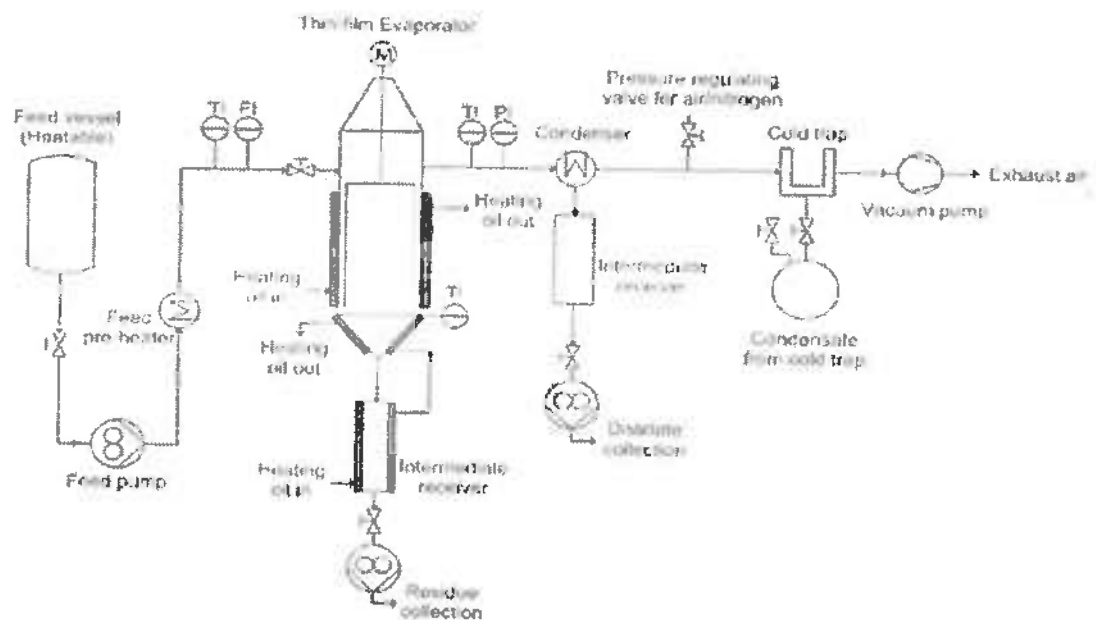
The aim of the Phenol recovery plant is to reduce the phenolic content from the DCP effluent (initial 2500-3000 ppm) by using solvent. Thus, in the vacuum distillation column followed by the atmospheric extraction column in the bottom part, they receive a 40:60 ratio as solvent: phenolic effluent. The recovered phenolic water is reused back into the process.



2. DCA (Di-chloroaniline) recovery from distillation residue with the use agitated thin film evaporator (ATFE)

The residue generated from distillation of crude product to obtain pure product DCA is further subjected to Agitated Thin Film Evaporator (ATFE) where product is agitated in vertical Thin Film Dryer (ATFD-V). It rotates in a precision-machined jacketed shell with desired evaporation temperature at different stages.

The feed is converted into a thin film layer which is intensely agitated due to action of the high-speed rotor. The feed material goes through phases of slurry, paste and wet powder, before coming out as a dry powder.



Previously distillation of crude product was done to obtain pure product DCA (Di-chloroaniline) and residue generated was disposed through hazardous waste management. After adopting this technology, they are able to recover the desired product with required purity which can be directly used in a DCP plant as a raw material. By this methodology they are able to minimize up to 70% hazardous waste residue and reduce the carbon footprint while going ahead with conservation of environment.

They use only In-house produced DCA in the manufacturing of DCP production.

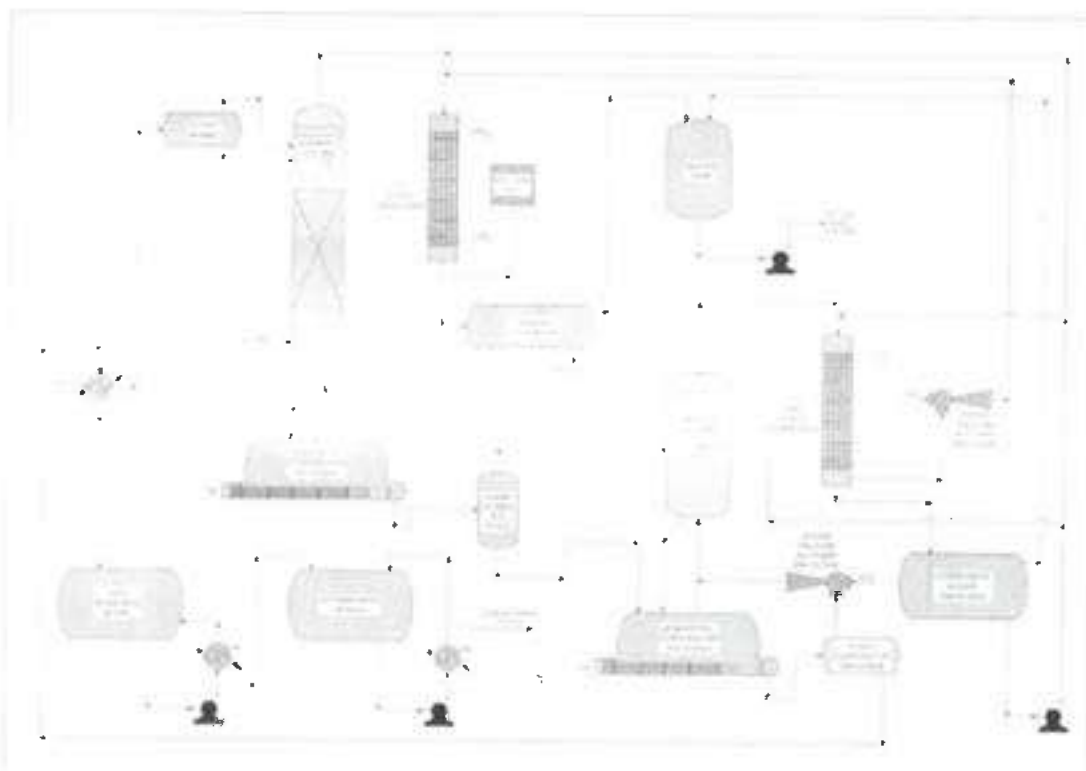


3. Reuse of 70% concentrated H_2SO_4 by increasing the concentration of H_2SO_4 by 90% through series of evaporation

In this process the concentration of H_2SO_4 is performed by the acid concentration units in 3 stages. The 90 % H_2SO_4 is used as raw material for the production of the DCP. Thus, the acid concentration plant is implemented for the concentration of H_2SO_4 from 70% to 90 %.

The Acid is fed into a flash vessel to stripping column where the mass is evaporated in 1st stage Evaporator. In this process the acid is concentrated by 80% from 70%.

The 10% evaporation loss consists of organic contains which is recycled back in DCP (Di-cholorophenol) plant as well as aqueous contains which is reused back in the steam generation unit.



The 80% concentrated acid is transferred to the 2nd stage flash vessel where again it is evaporated in 2nd stage evaporator system. The Acid is concentrated up to 90% in this stage. The evaporated mass passed by the quenching column via 3rd stage condenser system. The condensed water is used back in the steam generation unit.

In the 3rd stage the 90% H_2SO_4 is concentrated to 91-92% in the 3rd stage Vessel. The concentrated mass is transferred to the bleaching vessel by H_2O_2 in the intermediate vessel. The heating temperature in the flashing evaporator reaches 180°C. Where



the heat is used back in the initial flash vessel 1st phase process using the high temperature H₂SO₄ back in flash vessel 1st stage, the concentrated acid is sent for bleaching by H₂O₂ in bleaching vessel for the acid purity up to 90%.

In the NSA plant at stage-I, 70% concentrated H₂SO₄ is fed in the column where top Column temperature is approx 110°C where H₂O & DCP (1400-1500 ppm) vapor is generated and at the bottom of the column 80%-85% Concentrated H₂SO₄ is collected which is transferred to the Stage-II.

In Stage II 80-85% Concentrated H₂SO₄ is fed in the column where top column temperature is approx 60°C where the H₂O Vapor is generated and at the bottom of the column is 88% - 90% Concentrated H₂SO₄ is collected which was transferred to the Stage-III.

In Stage III 88%-90% Concentrated H₂SO₄ is fed in the column where Moisture Stripper is available to absorb the moisture and the bottom column is 90% - 92% Concentrated H₂SO₄ is collected which is transferred to the tank farm 1

In this process, no emission was their whole process is in the close loop and the 90% - 92% Concentrated H₂SO₄ is further stored in the tank farm 1 whereas the H₂O collected in Stage I & II is also utilized in the plant for the Steam Generation and generated steam is returned to the DCP plant.

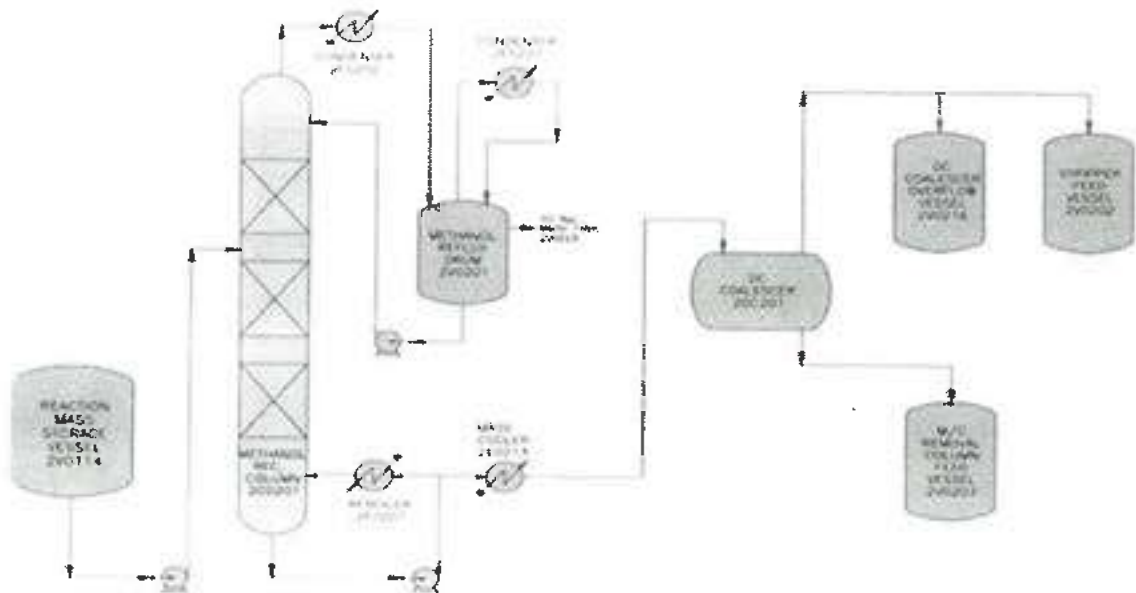
The Overall process is a continuous process in which it divided in two parts such as DCP crude product manufacturing (the fresh acid was consumed in this unit till the recovery process is started in SAC plant) and second is sulphuric acid concentration as a recovery of acid (SAC plant).

Only in the initial phase start-up of the process is required 2.98 Kg/Kg fresh H₂SO₄ is required to manufacture DCP crude (fresh consumption is up to 24 hours for the starting of the initial process). Afterward, the recovering process of Acid is started which is a continuous process, and in the end, the acid product is 90% H₂SO₄ which is a finished product.

4. Recovery of methanol from DCA obtained during 2,5-DCA production

Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is given as below:





Recovery of methanol from crude product (i.e., mixture of 2, 5 - DCA, methanol and water) is achieved by continuous distillation. In the distillation column, separation of components happens due to relative volatility. Here, a packed column is used for the recovery of methanol because it results in less pressure drop and the material separated is heat sensitive. The column is operated at atmospheric pressure. Methanol is obtained from distillate and collected in recovery vessel for further use in process.

The reaction mass storage vessel (2V0114) consists of solvent as media which is separated for the methanol recovery by distillation process in methanol recovery column (2C0201). To maintain the temperature as well as vapor equilibrium in the column further the methanol reflux process is done in the methanol reflux column via condenser system. The remaining methanol is transferred back to the recovered methanol recovery vessel.

The bottom product is processed for further separation units. Bottom of the distillation column is fed to DC Coalescer (Separation on different conductivity). It's a gravity settler work on basis of specific gravity and conductivity and separates two immiscible liquids into two separate layers. Water layer or top layer is separated and the bottom product is fed to the moisture removal column.

In the moisture removal column, material is dried as per product specifications. A continuous vacuum is maintained inside the column by means of a Liquid ring Vacuum System. Material is circulated through a heat exchanger. As pressure decreases in the drier boiling point of water is reduced and removed through condensers. The final product is obtained from the bottom of the column and stored in a specific storage tank.

D. Product recovery, reduction in effluent and hazardous waste generation:

Phenol + DCP mixture Recovery (expected at full capacity)		
1.	Phenol recovery, kg/Day	6600 Kg/Day
2.	Effluent reduction, kg/Day	6600 Kg/Day
DCA Recovery (expected at full capacity)		
1.	DCA recovery, kg/Day	1968 kg
2.	Residue reduction, kg/Day	1968 kg
Concentration increment in Sulfuric acid (from 70% to 90%) -		
1.	Saving of H ₂ SO ₄ (against fresh consumption)	327 KL/Day
2.	% Saving of fresh H ₂ SO ₄ consumption	100%
2.	Acid reduction (for disposal), kL/Day	327 KL/Day
Methanol Recovery		
1.	Methanol recovery, kL/Day	5.99 KL/Day
2.	Effluent reduction, kL/Day	5.99 KL/Day







E. Conclusion of the study:

1. Out of total 180 kL/day effluent generation in a DCP production, the major COD contributing component, i.e., phenol recovered in the tune of 6.6 kL/day. Thus, 6.6 kL/day effluent load reduces and subsequently COD load is reducing.
2. DCA production resulting to generation of 5.04 MT residue as a hazardous waste. With the introduction of ATFE, 2.5 MT DCA recovered. Thus, 2.5 MT hazardous waste generation reduced. Now, industry has to dispose of 2.54 MT hazardous waste instead of 5.04 MT waste.
3. Industry is recovering 446.3 kL/day concentrated Sulphuric acid (70%) from DCP production. With the use of series of evaporation system, concentration of sulfuric acid increases to 90% and reutilized for the process. Thus, industry has reduced fresh consumption of 90% sulfuric acid (357 kL/day). Out of total 357 kL 90% sulfuric acid, 323 kL utilized for process and 34 kL sell to market.
4. In the manufacturing of DCA, generation of waste stream (12.398 kL/day) consist of mainly methanol. The methanol recovered in the tune of 5.998 kL/day and rest of (6.4 kL/day) treated in existing ETP. Industry is in process to recover traces of methanol from 6.4 kL/day waste stream.

NOTE: Conclusions are based on the detail provided by industry representative. The basis for certain calculations were done at 100 % operational capacity of products.

Date: 04/04/2022

 Dr. Y. C. Rotliwala (Principal)	Dr. Yogesh Rotliwala Ph.D. (Chemical Engg.), Chemical Engineer	
	Dr. Hiral Tailor Ph.D. (Chemistry), Chemist	
	Dr. Himanshu Patel Ph.D. (Chemistry), Chemist	H. J. Pat
	Ms. Nidhi Halbe M.E. (Env.Engg.), Environmental Engineer	





GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar 382010
Phone : (079) 23222425
(079) 23222152
Fax : (079) 23232156
Website : www.gpcb.gov.in

Application For CTE after EC

File No : GPCB/ (PCB ID. - 58381)

CTE-62296

To,
M/s. Aarti Industries Limited,
, Plot No. Z/103/C, Vn, Dahej SEZ II.,
City :Lakhigam ,
Dist : Bharuch ,
Taluka : Vagra

Sub: **Consent to Establish (After obtaining Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981.**

Ref: (1) Your online application No. **276096** dated **10/03/2023**

(1) Environment Clearance issued by State Authority vide their letter no. EC23B021GJ111578 Dated 15/02/2023

Sir,

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants **Consent to Establish (After obtaining Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981** for manufacturing of products as mentioned into the Environment Clearance (EC) granted vide letter under reference no (2) above.

Consent To Establish Is Granted Subject To The Following Conditions: -

- 1) The validity period of this CTE shall be Seven Years from the issue of this order.
- 2) Applicant shall strictly comply with all conditions stipulated by competent authority in the order of Environment Clearance issued vide letter under reference No. : 2 above.
- 3) The applicant shall however , not without the prior concern of the Board. Bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the water Act - 1974, the Air - 1981 and the Environment (Protection) Act - 1986.



For and on behalf of
Gujarat Pollution Control Board

M. U. Patel
21/3/23
M.U.PATEL
ROH Head - Bharuch

- This order is issued to , **Plot No. Z/103/C, Vn, Dahej SEZ II., City :Lakhigam, Dist : Bharuch, Taluka : Vagra (58381)** for CTE amendment after obtaining EC.



POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	M/S. AARTI INDUSTRIES LTD.		
Insured's Details		Issuing Office Details	
Customer ID	PO18635610	Office Code	C.D.U.III (120300)
Address	71, UDYOG KSHETRA, 2ND FLR. MULUND-GOREGAON, LINK ROAD, MUMLUND, MUMBAI MUMBAI, MAHARASHTRA, 400080	Address	NEW INDIA CENTRE, 2ND FLOOR, 17- A, COOPERAGE ROAD .400001
Phone No		Phone No	02222885563 / 02222892189
E-mail/Fax	info@artiindustries.com, /	E-mail/Fax	nia.120300@newindia.co.in / 02222823056
PAN No	AABCA2787L	S.Tax Regn. No	AAACN4165CST178
GSTIN/UIN	27AABCA2787L1ZC / NA	GSTIN	27AAACN4165C3ZP
		SAC	997139 (Other non-life insurance services excl RI)

Policy Details			
Policy Number	12030036223300000011	Business Source Code	
Period of Insurance	From: 09/01/2023 12:00:01 AM To: 08/01/2024 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User	Prudent Insurance Brokers Pvt. Ltd. - (2D10077353) Prudent Insurance_120300 - (SI00243194)
Date of Proposal	09-Jan-23	Agent/Bancassurance/S pecified Person	
Prev. Policy no.	12030036213300000010	Phone No	NA / NA
Client Type	Corporate	E-mail/Fax	navin.shanbhag@prudentbrokers.com, / /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
10383	10383	1868	22634	RUPEES TWENTY-TWO THOUSAND SIX HUNDRED THIRTY-FOUR ONLY	1203008122000000226 0 - 09/01/23

Details of risk covered under current year policy:

Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductible 5 No of workmen	No of Other Employee
09/01/202 0	<= 15 Crore	57	50000000	1:3	15000000 0	44081900 000	44081900 000	3435	3013

Retroactive Dates

Retroactiv e Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibl es No of workmen	No of Other Employee
RETROA CTIVE DATE 1	09/01/20 20	<= 15Cro re	57	5000000 0	1.3	1500000 00	4408190 0000	4408190 0000	3435	3013

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension
-----------------------	----------------------------	------------------------------

Signature valid

Digitally signed by ANAGAYEE
PANI
Date: 2023.01.09
12:16:22 IST

Anubha

Policy No. : 12030036223300000011 Document generated by 40245 at 09/01/2023 12:16:22 Hours.

Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.



Special Conditions	AS PER PUBLIC LIABILITY ACT POLICY WORDING.	
	NA	
Special Exclusions	NA	
Special Excess/Deductible	1000	
Retroactive Dates	Date	
Retroactive date	09/01/2020	

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	Description	
Premium and GST Details	Rate of Tax	Amount in INR
Premium		₹ 20766.00
SGST	9	934
CGST	9	934
IGST	0	0

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 09th day of January, 2023.


For and on behalf of
The New India Assurance Company Limited

Date of Issue: 09/01/2023

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank _____ Dt. _____ consolidated Stamp Fees Paid by Pay Order Number _____ vide receipt number _____ dt. _____.

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C



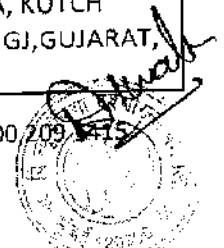
दि न्यू इंडिया एश्युरेंस कंपनी लिमिटेड
मंडल कार्यालय 120300, न्यू इंडिया सेंटर, दूसरा माला, 17-ए, कूपरेज रोड, मुंबई - 400039
THE NEW INDIA ASSURANCE CO. LTD.
DO-120300, New India Centre, 2nd Floor, 17-A, Cooperage Road, MUMBAI-400039
Tel: 022-22892729/38/40/41/43/48/49, 22882189. Fax: 022-22823058.

75
Azadi Ka
Amrit Mahotsav

To be attached and forming part of policy no 12030036223300000011

Location	Plant type	Location
ACID	Chemical	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
Alchemie Organics	Chemical	PLOT NO. 902 923 PHASE-III, G.I.D.C, VAPI, DIST VALSAD, VAPI 396195
AMINE (DRY TECH DIVISION)	Chemical	285,286/1 A 322 12 23 24 NA 40SHED AREA GIDC PHASE II DIST- VALSAD, VAPI 396195
APPLE ORGANICS (Apple Interm)	Chemical- (Laghu)	PLOT NO. 610 609 ,100,SHED AREA, GIDC , VAPI, VALSAD 396195
Baroda office	Chemical	Block number 1, 3rd floor, R S No 3, Keval Corporate Park, Village channi, Baroda-390002
DAHEJ	Chemical	PLOT NO Z-103/H SEZ-II, DAHEJ, TAL- VAGRA, DIST - BHARUCH392130,NA,GJ1414,DAHE J, GJ,GUJARAT, INDIA, 392130.
DAHEJ- DIAMOND	Chemical	AARTI INDUSTRIES LTD, PLOT NO - Z 111 B, DAHEJ, SEZ-II,TAL VAGRA, DIST. BHARUCH-392130
DAHEJ-SAFRON	Chemical	AARTI INDUSTRIES LTD, PLOT NO - Z103/C, DAHEJ, SEZ-II,TAL VAGRA, DIST. BHARUCH-392130
HO	Office-(Laghu)	71, UDYOG KSHETRA, 2ND FLOOR, MULUND-GOREGAON LINK ROAD, MULUND[W]400080,NA,MH013,MUMBAI, MH,MAHARASHTRA, INDIA, 400080.
Vikhroli	OFFICE	Tower C, 4th Floor, Embassy 247, Lal Bahadur Shastri Rd, Gandhi Nagar, Vikhroli West, Mumbai, Maharashtra 400079
Jaghadia (Pearl,Ruby, Jade)	Chemical	PLOT NO.758/1,2 & 3,GIDC JHAGADIA,NA,GJ1749,JH AGADIA, GJ,GUJARAT, INDIA, 393110 PLOT NO. 756-4A, B/5A,B/6/7 ,779,GIDC, JHAGADIA393110,NA,GJ1749,JHAG ADIA, GJ,GUJARAT, INDIA, 393110 UNIT-2, PLOT NO 7562A,B/3A,B GIDC JHAGADIA,DISTBHARUCH 393002,GUJARAT,GJ1891 ,ANKLESHWAR GIDC, GJ,GUJARAT, INDIA, 393002. PLOT NO. 756-2A, B/3A,B, GIDC, JHAGADIA 396110,NA,GJ1539,Bigri, GJ,GUJARAT, INDIA, 396110
Kutch	Chemical	SURVEY NO. 1430/1, NATIONAL HIGHWAY NO. 8-A, KUTCH BHACHAU, GUJARAT370140,NA,GJ796,BHACHAU, GJ,GUJARAT, INDIA, 370140

रजि. प्रधान कार्यालय: न्यू इंडिया एश्युरेंस कं. लि., 87, महात्मा गांधी रोड, फोर्ट, मुंबई 400001, टोल फ्री: 1800 209 2115
CIN NOL66000MH1919GOI000526

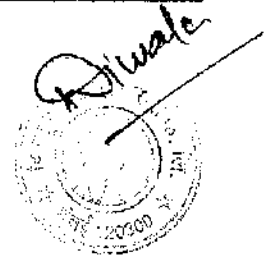




दि न्यू इंडिया एश्युरेंस कंपनी लिमिटेड
मंडल कार्यालय 120300, न्यू इंडिया सेंटर, दूसरा माला, 17-ए, कोपरगेज रोड, मुंबई - 400039
THE NEW INDIA ASSURANCE CO. LTD.
DO-120300, New India Centre, 2nd Floor, 17-A, Cooperage Road, MUMBAI-400039
Tel: 022-22892729/38/40/41/43/48/49, 22882189. Fax: 022-22823658.



NASCENT	Chemical	PLOT NO. 24, PHASE-I, G.I.D.C., DIST. VALSAD, VAPI 396195
Nutrient	Chemical- (Laghu)	PLOT NO. 802,803,804/12-3, 801/15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI396195.,GJ1786,VAPI I E, GJ,GUJARAT, INDIA, 396195.
R & D MHAPE/Turbe	Chemical	PLOT NO A-94/1 MIDC , TTC IND AREA,NAVI MUMBAI - DIST THANE
R & D VAPI - Organic	Chemical- (Laghu)	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	Chemical	PLOT NO. 801/15, TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
TARAPUR UNIT -2	Chemical	TARAPUR UNIT-2,PLOT NO.L-5,L-4,L-8,L-9/1,MIDC TARAPUR,BOISAR,THAN E,NA,MH1379,TARAPUR I A, MH,MAHARASHTRA, INDIA, 401506.
Vapi Unit - Organic	Chemical	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





ADJUSTMENT VOUCHER

Issuing Office : C.D.U.III (120300)
Address : NEW INDIA CENTRE, 2ND FLOOR, 17-A, COOPERAGE ROAD
400001
MUMBAI
Insured Pan Number : AABCA2787L
Phone : 02222885583
Email : nia.120300@newindia.co.in
Fax : 02222823058
Collection Number : 1203008122000002260
Collection Date : 09/01/2023
Business Source Code : 2D10077353
PAN No of Payer : AABCA2787L

Received with thanks from M/S..AARTI INDUSTRIES LTD.

The amount received/Adjusted is towards -

Policy No.	A/C Description	Amount ₹	A/C Code	Sub A/C Code
12030036223300000011	Scroll-120300	22634.00	5081.120300	

Total = ₹ 22634.00

Your Payment/Adjustment Details are as under -

Mode	Amount ₹	Cheque No.	Cheque Date	Drawee Bank	Drawee Branch	Reference No.	Scroll/BG/A PD Balance
Scroll	22634.00	23122022	23-DEC-22	HDFC BANK LTD.	MUMBAI	1203002210011414	0.00

Total = ₹ 22634.00

Utilization details of the Collected Amount :

Premium	GST	Stamp Duty	Excess Amount
20766.00	1868.00	0.00	0
Sl no.	Agency Code	Agency Name	Department Code
1	NA	PRUDFNT INSURANCE BROKERS PVT. LTD.	36

For The New India Assurance Company Limited

Date of Issue: 09/01/2023

Cashier's Initial

Authorized Signatory

Note -

1. Please note the Policy Number, Collection Number and date in all future correspondence.
2. NIA shall not be liable for any claim arising out of sales made during the period between the due date and date of payment of the installment if the premium paid has been exhausted by turnover declarations if there is insufficient premium balance.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 12030022E0003327

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C

Signature valid

Digitally signed by M.G. RAJEE
PAN: AAACN4165C
Date: 2023.01.09
12:00:54 IST

Policy No. : 12030036223300000011 Document generated by 40245 at 09/01/2023 12:00:53 Hours.

Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.



THE NEW INDIA ASSURANCE COMPANY LIMITED

Registered & Head Office- 87, M.G. Road, Fort, Mumbai-400001.

LIABILITY INSURANCE POLICY

(UNDER PUBLIC LIABILITY INSURANCE ACT 1991)

UIN No.- IRDAN190P0076100001

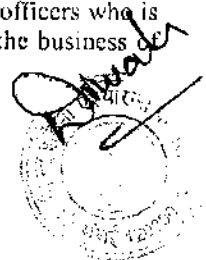
1. OPERATIVE CLAUSE

Whereas the Insured Owner named in the schedule hereto and carrying on business described in the said schedule has applied to **THE NEW INDIA ASSURANCE** Company Limited (hereinafter called the Company) for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contribution towards the Environment Relief Fund as per the provisions of the Public Liability Insurance Act and the rules framed thereunder.

NOW THIS POLICY WITNESSETH that subject to the terms, exceptions and conditions herein or endorsed hereon, the company will indemnify the insured owner against the statutory liability arising out of accidents occurring during the currency of the policy due to handling hazardous substances as provided for in the said Act and the Rules framed thereunder.

2. DEFINITIONS :

- a) "ACT" unless otherwise specifically mentioned shall mean the Public Liability Insurance Act 1991 as amended from time to time.
- b) "Accident" means an accident involving a fortuitous, sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radioactivity.
- c) "Handling" in relation to any hazardous substance means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance:
- d) "Hazardous Substance" means any substance or preparation which is defined as hazardous substance under the Environment (protection) Act, 1986, and exceeding such quality as may be specified by notification, by the Central Government.
- e) "Owner" means a person who owns or has control over handling any hazardous substance at the time of accident and includes :
 - i) in the case of a firm any of its partners
 - ii) in the case of an association, any of its members, **and**
 - iii) in the case of a company, any of its directors, managers, secretaries or other officers who is directly in charge of, and is responsible to the company for the conduct of the business of the company.
- f) "Turnover" shall mean



- i) Manufacturing units-Annual Gross Sales of all goods including all levies and taxes.
- ii) Godowns/warehouse owner-Total Annual rental receipts.
- iii) Transport Operators-Total Annual freight receipts.
- iv) other-Total Annual gross receipts.

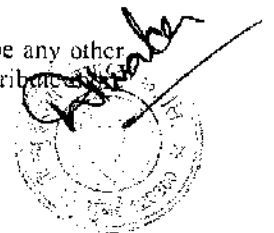
3. EXCLUSIONS :

This Policy does not cover liability :

- (1) arising out of willful or intentional non compliance of any Statutory provisions.
- (2) in respect of fines, penalties, punitive and/or exemplary damages.
- (3) arising under any other legislation except in so far as provided for in Section 8 Sub Section (1) and (2) of the Act.
- (4) in respect of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured Owner's control, care or custody.
- (5) directly or indirectly occasioned by happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection or military or usurped power.
- (6) directly or indirectly caused by or contributed to by.
 - (a) ionising radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel.
 - (b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.

4. CONDITIONS :

- (1) The Insured owner shall give written notice to the Company as soon as reasonably practicable of any claim made against the Insured Owner or of any specific event or circumstance that may give rise to a claim. The Insured Owner shall immediately give to the Company copies of notice of applications forwarded by the Collector and all such additional information and or assistance that the company may require.
- (2) No admission, offer, promise or payments shall be made or given by or on behalf of the Insured owner under this policy without the written consent of the Company.
- (3) The Company shall not be liable for any claim for relief made after five years from the date of occurrence of the accident.
- (4) The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.
- (5) If the time of happening of any accident resulting in a claim under this policy there be any other insurance covering same liability, then the Company shall not be liable to pay or contribute more than its ratable proportion of such liability.



- (6) This policy may be canceled by the Insured Owner by giving 30 days notice in writing to the company in which event the Company will retain premium at short period scale subject to there not having occurred an accident during the policy period which may give rise to a claim(s), failing which no refund of premium shall be allowable.
- (7) This Policy may also be canceled by the Insurer by giving 30 days notice in writing to the Insured Owner in which event the Company shall be liable to repay on demand a ratable proportion of the premium for the unexpired term from the date of cancellation.
- (8) If the Company shall disclaim liability to the Insured Owner for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a competent court of law, then the claim for all practical purposes shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be made the subject matter of any suit.
- (9) The Company shall not be liable to make any payment in respect of any claim if such claim shall be in any manner fraudulent or supported by any person on behalf of the Insured owner and/or if the insurance has been continued in consequence of any material misstatement or non disclosure of any material, information by or on behalf of the Insured Owner. In such a case if the Company pays any amount to the claimant due to any statutory provision such amount shall be recoverable from the Insured Owner.
- (10) The Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed thereunder of this Policy shall bear such specific meaning.
- (11) Any dispute regarding interpretation of the terms, conditions and exceptions of this Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.

N.B. IN THE EVENT OF DISHONOUR OF PREMIUM CHEQUE THE POLICY AUTOMATICALLY STANDS CANCELLED AS FROM INCEPTION.



10 yrs on, widow to get death certificate after HC order

By Nisha Vastava

After 10 years, a widow has finally received her death certificate after a High Court order. The court had directed the Registrar to issue the certificate within 10 days. The widow, who is now 65, had been married for 35 years. Her husband died in 1985, but she never received a death certificate. She had to pay a fine of Rs 10,000 for not getting the certificate. The court said that the Registrar had not followed the law. The widow is now happy and has received the certificate.



Nisha Vastava, from Karmada district, was made to run from pillar to post to get her husband's death certificate. She was denied the document because the exact date of his death was not known.

The court said that the Registrar had not followed the law. The widow is now happy and has received the certificate. The court said that the Registrar had not followed the law. The widow is now happy and has received the certificate. The court said that the Registrar had not followed the law. The widow is now happy and has received the certificate.

Photos for marriage certificates

By Anshu Parikh

The city's civil registry will require marriage applicants to submit photographs for their marriage certificates. This is a new requirement that will be implemented from February 15. Applicants will have to submit two photographs of the bride and groom. The photographs should be in color and of a size of 2.5 x 3.5 inches. The cost of the photographs is Rs 100. The Registrar said that this is a measure to prevent fraud and to ensure that the photographs are of the bride and groom. The Registrar said that this is a measure to prevent fraud and to ensure that the photographs are of the bride and groom.

Verification loophole behind spurt in fake billing scams?

By Anshu Parikh

The spurt in fake billing scams is due to a loophole in the verification process. The Registrar said that the verification process is not strict enough. The Registrar said that the verification process is not strict enough. The Registrar said that the verification process is not strict enough. The Registrar said that the verification process is not strict enough.



The Registrar said that the verification process is not strict enough. The Registrar said that the verification process is not strict enough. The Registrar said that the verification process is not strict enough. The Registrar said that the verification process is not strict enough.

Man denied pre-arrest bail

A man who was arrested for a crime was denied pre-arrest bail. The court said that the man was a flight risk and that there was a possibility of him tampering with the evidence. The court said that the man was a flight risk and that there was a possibility of him tampering with the evidence. The court said that the man was a flight risk and that there was a possibility of him tampering with the evidence.

NDDDB Mrida ties up with Sistema.bio to help farmers

By Nisha Vastava

NDDDB Mrida has signed an agreement with Sistema.bio to help farmers. The agreement will help farmers to improve their crop yields and to reduce their input costs. The agreement will help farmers to improve their crop yields and to reduce their input costs. The agreement will help farmers to improve their crop yields and to reduce their input costs.



The agreement was signed on Monday.

Nurse conned out of laptop, phone and ₹30k cash

By Anshu Parikh

A nurse was conned out of her laptop, phone, and ₹30,000 cash. The nurse had been approached by a man who offered her a job. The man had asked her to provide him with her laptop, phone, and cash. The nurse had agreed to his terms. The man had then disappeared. The nurse had reported the case to the police. The police had arrested the man. The man had been charged with theft and fraud. The man had been sentenced to prison. The nurse had been compensated for her losses.

Notice on teachers' pay cut recalled

By Nisha Vastava

A notice on teachers' pay cut was recalled. The government had issued a notice on teachers' pay cut. The notice had been issued to all teachers. The notice had been issued to all teachers. The notice had been issued to all teachers. The notice had been issued to all teachers.

WESTERN RAINWATER HARVESTING TECHNOLOGY... IJBI BANK LTD... Office Premises Required in Ankleshwar, Bharuch District...

Brothers robbed of ₹3L... M/s. Karti Industries Limited (Unit II) Environmental Clearance... HDFC BANK... POSSESSION NOTICE...

Why is Modi government scared of JPC probe into Adani affair: Maken... Adani Group has been accused of... The JPC probe into Adani affair...

South Bank... POSSESSION NOTICE... The Government of Gujarat...

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