



**AARTI
INDUSTRIES
LIMITED**

Ref. No.: AARTI/VAPI/ENV/AMN/2025-2026/008

Date:20.05.2025

**To,
Deputy Director General,
Forest (Central) Regional Office - Gandhinagar,
A Wing - 407 & 409, Aryan Bhawan,
Near CH-3 Circle, Sector - 10A,
Gandhinagar - 382010.**

Subject: Half-yearly environment clearance conditions compliance report for the period Oct 2024 to March 2025.

Ref. : EC No. J-11011/162/2016-IA II (I) dated 15.01.2018.

Respected Sir,

With reference to the above subject we are submitting the Compliance Report (Monitoring period Oct 2024 to March 2025. as per condition (xv) of the general conditions as mentioned in environmental clearance letter no. J-11011/162/2016-IA II (I) dated 15th January 2018 for our project 'Expansion in manufacturing of Synthetic Organic Chemicals by M/s. Aarti Industries Limited (Amine Division) at the plot no.285, 286/1, A-1-322/12, 23 & 24, Phase II, GIDC Estate, Vapi, Tal: Pardi, Dist: Valsad, Gujarat. The compliance report is supported with the required attachments.

Thank you.

Yours Faithfully,

For Aarti Industries Limited (Amine Division)


Authorized Signatory

COPY TO

**1) Email to
Central Pollution Control Board,
Vadodara,**

2)Email to SEIAA, Gujarat

**3) The Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhavan, Sector – 10 / A
Gandhinagar – 382010**

**4)Uploaded in Parivesh, MoEF&CC
Portal**

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

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

Factory : Amine Division, Plot No. 285, 286/1, A1/322/12.23.24, II nd Phase, GIDC Vapi - 396195, Dist - Valsad.

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

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

Compliance to the conditions of the Environment Clearance granted to M/s Aarti Industries Limited (Amine Division) vide letter No J-11011/162/2016-IA II (I) dated 15.01.2018 for the period of October 2024 - March 2025.

Sr.No.	EC Condition details	Compliance Status																																																																																							
Specific condition																																																																																									
2	The Ministry of Environment, Forest and Climate Change has examined the proposal for grant of environmental clearance to the project for expansion of synthetic organic chemical manufacturing unit from the present capacity of 555 TPM to 1500 TPM (Amination products) by M/s Aarti Industries Ltd (Amine Division) in a total area of 20568 sqm at Plot No. 285, 286/1, A-1-322/12, 23, 24 Phase II, GIDC Estate, Pardi, District Valsad (Gujarat).	Complied. The unit has Obtained EC to CCA for Manufacturing of 1500 MT/M and Our Production from October 2024 - March 2025 is as mentioned below in condition no. 3.																																																																																							
3	The details of the products presently manufactured and after the proposed expansion are reported to be as under: <table><tr><th>Sr.</th><th>Name of product</th><th colspan="3">Quantity (TPM)</th></tr><tr><th>A</th><th>Amination products</th><th>Existing</th><th>Proposed</th><th>Total</th></tr><tr><td>1</td><td>4-Nitroaniline(PNA) and/or</td><td>50MT</td><td rowspan="7">945MT</td><td rowspan="7">1500 MT</td></tr><tr><td>2</td><td>2-NitroAniline (ONA) and/or</td><td>270MT</td></tr><tr><td>3</td><td>2-Chloro 4-NitroAniline (OCPNA) and/or</td><td>20MT</td></tr><tr><td>4</td><td>Para Chloro Ortho Nitro Aniline (PCONA) and/or</td><td>75MT</td></tr><tr><td>5</td><td>Di Chloro Ortho Nitro Aniline(DCONA) and/or</td><td>130MT</td></tr><tr><td>6</td><td>6-Chloro Ortho Nitro Aniline and/or</td><td>10MT</td></tr><tr><td>7</td><td>4,4-Diamino Diphenyl Sulfone (DADPS)</td><td>-</td></tr><tr><td colspan="2">TOTAL</td><td>555MT</td><td>945MT</td><td>1500MT</td></tr><tr><th>B</th><th colspan="4">Co-Products</th></tr><tr><td>1</td><td>Calcium chloride soln</td><td>767</td><td>806</td><td>1573</td></tr><tr><td>2</td><td>Ammonia solution</td><td>--</td><td>152</td><td>152</td></tr><tr><td>3</td><td>Ammonium sulphate Solution/</td><td>--</td><td>114/40</td><td>114/40</td></tr></table>	Sr.	Name of product	Quantity (TPM)			A	Amination products	Existing	Proposed	Total	1	4-Nitroaniline(PNA) and/or	50MT	945MT	1500 MT	2	2-NitroAniline (ONA) and/or	270MT	3	2-Chloro 4-NitroAniline (OCPNA) and/or	20MT	4	Para Chloro Ortho Nitro Aniline (PCONA) and/or	75MT	5	Di Chloro Ortho Nitro Aniline(DCONA) and/or	130MT	6	6-Chloro Ortho Nitro Aniline and/or	10MT	7	4,4-Diamino Diphenyl Sulfone (DADPS)	-	TOTAL		555MT	945MT	1500MT	B	Co-Products				1	Calcium chloride soln	767	806	1573	2	Ammonia solution	--	152	152	3	Ammonium sulphate Solution/	--	114/40	114/40	Complied. The production figures for the period between October 2024 - March 2025 are as below. <table><tr><th>Sr. No</th><th>Name of the Product</th><th>Production between October 2024 - March 2025 . (in MT)</th></tr><tr><td>1</td><td>4-Nitroaniline(PNA) and/or</td><td rowspan="2">2493.18</td></tr><tr><td>2</td><td>2-NitroAniline (ONA) and/or</td></tr><tr><td>3</td><td>2-Chloro 4-NitroAniline (OCPNA) and/or</td><td>0</td></tr><tr><td>4</td><td>Para Chloro Ortho Nitro Aniline (PCONA) and/or</td><td>1496.974</td></tr><tr><td>5</td><td>Di Chloro Ortho Nitro Aniline(DCONA) and/or</td><td>1108.9</td></tr><tr><td>6</td><td>6-Chloro Ortho Nitro Aniline and/or</td><td>0</td></tr><tr><td>7</td><td>4,4-Diamino Diphenyl Sulfone (DADPS)</td><td>0</td></tr><tr><td colspan="2">Total production for period Oct 2024 - March 2025</td><td>5099.05 MT</td></tr><tr><td colspan="2">EC/CTE/CCA permissible limit for period October 2024 - March 2025</td><td>9000 MT</td></tr></table> Production quantities are within the prescribed limits.	Sr. No	Name of the Product	Production between October 2024 - March 2025 . (in MT)	1	4-Nitroaniline(PNA) and/or	2493.18	2	2-NitroAniline (ONA) and/or	3	2-Chloro 4-NitroAniline (OCPNA) and/or	0	4	Para Chloro Ortho Nitro Aniline (PCONA) and/or	1496.974	5	Di Chloro Ortho Nitro Aniline(DCONA) and/or	1108.9	6	6-Chloro Ortho Nitro Aniline and/or	0	7	4,4-Diamino Diphenyl Sulfone (DADPS)	0	Total production for period Oct 2024 - March 2025		5099.05 MT	EC/CTE/CCA permissible limit for period October 2024 - March 2025		9000 MT
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	Ammonium Sulphate Solid			
4	Sodium Chloride	--	709	709
5	Copper Hydroxide / Copper oxide	--	77	77
TOTAL		767	1858	2625

Sr. No	Co-Products	Consented Quantity (MT/Month)	Consented quantity for six months. (MT)	Generation between October 2024 - March 2025 (MT)
1	Calcium chloride solution	1573	9438	6516.47
2	Ammonia solution	598	3588	857.96
3	Ammonium sulphate Solution/Ammonium Sulphate Solid	0	0	0
4	Sodium Chloride	709	4254	0
5	Copper Hydroxide /Copper oxide	77	462	0
Total		2747	16482	7374.43

All the Co-Product quantities are within the prescribed limits.

The Unit has valid CCA AWH-133769 dated 01.05.2024 valid Up to 16.05.2026.

Please refer Annexure-1

4	Total plot area of the unit is 20,568 sqm. The greenbelt will be developed in an area of 15% of the total area. The estimated cost of proposed expansion will be Rs. 1500 Lacs	Complied. The unit has developed a green belt in the Notified Area of GIDC Vapi to comply with the CPCB guidelines. 1. Rotary Raymond Circle to Gunjan Talkies (4320 sq.mtrs) 2. Gandhi Garden (2663 sq.mtrs)
5	There are no National Parks, Protected Forests and Biosphere Reserves etc within 10 km from the project site. Daman Ganga river is flowing at 5 km distance	Complied. Our unit is located inside the notified industrial Estate GIDC, Vapi.
6	6(a) Total water requirement will be increased from 340 cum/day to 694 cum/day, out of which fresh water requirement will be 546.8 cum/day.	Complied. For the period October 2024 - March 2025, Avg water consumption is 368.7 (Fresh - 284.9 + Recycled- 83.74) and Average fresh water consumption from GIDC is 284.9 m3/D. Water consumption details are provided in the table below.

		<table><tr><th>Month</th><th>Avg fresh water Consumption (m³/D)</th><th>Avg recycled water Consumption (m³/D)</th><th>Avg Total water Consumption (m³/D)</th></tr><tr><td>Oct-24</td><td>266.5</td><td>85.40</td><td>351.9</td></tr><tr><td>Nov-24</td><td>239.2</td><td>78.92</td><td>318.1</td></tr><tr><td>Dec-24</td><td>267.7</td><td>90.81</td><td>358.5</td></tr><tr><td>Jan-25</td><td>150.0</td><td>81.34</td><td>231.3</td></tr><tr><td>Feb-25</td><td>395.8</td><td>82.15</td><td>477.9</td></tr><tr><td>Mar-25</td><td>390.4</td><td>83.82</td><td>474.2</td></tr><tr><td>Average</td><td>284.9</td><td>83.74</td><td>368.7</td></tr></table> All the Water Consumption (Fresh + Recycle) Quantity are within the prescribed limits.	Month	Avg fresh water Consumption (m³/D)	Avg recycled water Consumption (m³/D)	Avg Total water Consumption (m³/D)	Oct-24	266.5	85.40	351.9	Nov-24	239.2	78.92	318.1	Dec-24	267.7	90.81	358.5	Jan-25	150.0	81.34	231.3	Feb-25	395.8	82.15	477.9	Mar-25	390.4	83.82	474.2	Average	284.9	83.74	368.7
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	6(b) The unit will use recycled water of 147.2 cum/day to meet the process requirement. The industrial effluent will be treated in the ETP, and the treated effluent will be sent to RO followed by MEE to achieve zero liquid discharge. The domestic wastewater of 15 cum/day will be treated in sewage treatment plants.	Details of RO feed , reject, permeate and STP treated effluent is provided below. <table><tr><th>MONTH</th><th>RO FEED (m3/M)</th><th>RO PERMEATE (m3/M)</th><th>STP treated water (m3/M)</th></tr><tr><td>Oct-24</td><td>3782.1</td><td>2647.47</td><td>444.75</td></tr><tr><td>Nov-24</td><td>3382.13</td><td>2367.49</td><td>419.35</td></tr><tr><td>Dec-24</td><td>4021.37</td><td>2814.96</td><td>444.34</td></tr><tr><td>Jan-25</td><td>3602.27</td><td>2521.59</td><td>444.38</td></tr><tr><td>Feb-25</td><td>3286.03</td><td>2300.22</td><td>401.04</td></tr><tr><td>Mar-25</td><td>3712.03</td><td>2598.42</td><td>443.96</td></tr><tr><td>Average</td><td>3631.0</td><td>2541.7</td><td>433.0</td></tr></table> The unit has installed STP for treating domestic wastewater and all treated sewage is used for gardening purposes. Being a ZLD unit, no effluent is sent to CETP. The certificate for disconnection of drainage connection issued by GIDC on 26/04/2019 is attached as Annexure-II.	MONTH	RO FEED (m3/M)	RO PERMEATE (m3/M)	STP treated water (m3/M)	Oct-24	3782.1	2647.47	444.75	Nov-24	3382.13	2367.49	419.35	Dec-24	4021.37	2814.96	444.34	Jan-25	3602.27	2521.59	444.38	Feb-25	3286.03	2300.22	401.04	Mar-25	3712.03	2598.42	443.96	Average	3631.0	2541.7	433.0
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Mar-25	3712.03	2598.42	443.96																															
Average	3631.0	2541.7	433.0																															
	6(c) The power requirement will be increased from 1225 KVA to 1525 KVA and proposed to be met from Daxin Gujarat Vij Company Limited (DGVCL).	Monthly power consumption from DGVCL for the period Oct 2024 - March 2025 is 440,093 KWA <table><tr><th colspan="2">Electricity Purchased from State Grid</th></tr><tr><th>Month</th><th>Units (KWH) / Month</th></tr><tr><td>Oct-24</td><td>376,845</td></tr><tr><td>Nov-24</td><td>450,930</td></tr><tr><td>Dec-24</td><td>470,100</td></tr></table>	Electricity Purchased from State Grid		Month	Units (KWH) / Month	Oct-24	376,845	Nov-24	450,930	Dec-24	470,100																						
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		<table><tr><td>Jan-25</td><td>341,310</td></tr><tr><td>Feb-25</td><td>426,375</td></tr><tr><td>Mar-25</td><td>574,995</td></tr><tr><td>Average</td><td>440,093</td></tr></table>	Jan-25	341,310	Feb-25	426,375	Mar-25	574,995	Average	440,093																						
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6(d) Existing unit has two DG sets and two steam boilers. One additional coal fired boiler of 25 TPH will be installed. One DG set of 625 KVA will be installed under proposed expansion. Additional boiler and DG set will be used as standby.	The unit currently has 2 Nos DG Sets of 625 KVA and 750 KVA capacity. The unit has also installed a boiler of 13 TPH wrt. 25 TPH DG set results and 13 TPH Boiler results from October 2024 - March 2025 are attached as Annexure-IV.																															
6(e) Existing unit has two stacks of autoclave reactor and ONA day tank and Ammonia recovery. Two stage scrubbers will be used to control process emission.	The unit has installed 2 stage scrubbers to treat the vent gasses from the autoclave reactor / ONA day Tank and Ammonia recovery plant. Performance of both the scrubbers are adequate and analysis results are as presented in the table below. <table><tr><th colspan="4">Stack attached to</th></tr><tr><th>Month</th><th>ONA Day tank - NH3 (mg/Nm3)</th><th>ARP plant - NH3 (mg/Nm3)</th><th>GPCB limits NH3 (in mg/Nm3)</th></tr><tr><td>Oct-24</td><td>150.2</td><td>140.4</td><td rowspan="7">175</td></tr><tr><td>Nov-24</td><td>157.7</td><td>138.1</td></tr><tr><td>Dec-24</td><td>137.4</td><td>126.5</td></tr><tr><td>Jan-25</td><td>148</td><td>132</td></tr><tr><td>Feb-25</td><td>131.7</td><td>129.1</td></tr><tr><td>Mar-25</td><td>136.9</td><td>134.9</td></tr><tr><td>Average</td><td>143.65</td><td>133.5</td></tr></table> All the Parameters are within the prescribed limits.	Stack attached to				Month	ONA Day tank - NH3 (mg/Nm3)	ARP plant - NH3 (mg/Nm3)	GPCB limits NH3 (in mg/Nm3)	Oct-24	150.2	140.4	175	Nov-24	157.7	138.1	Dec-24	137.4	126.5	Jan-25	148	132	Feb-25	131.7	129.1	Mar-25	136.9	134.9	Average	143.65	133.5	
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6(f) ETP waste and Calcium sludge will be sent to the TSDF site. Process waste containing organic complex will be sent to CHWIF. Discarded containers/ Bags will be sent to authorized recyclers. Used oil will be sold to registered reprocessors. Fly ash will be sent to fly ash handlers and Insulation waste will be sent to TSDF site for disposal.	Details of waste disposed of at BEIL Dahej,SEPPL kutch. for the period between October 2024 - March 2025 is as as follows- ETP Waste/Calcium Sludge- 928.35 MT Process Waste Containing Organic Complex - 332.14 MT Discarded Container/Bags - 25.26 MT Used Oil - 0 MT Fly ash -141.59 MT Insulation Waste - 4.23 MT Quantity of hazardous waste is within the consent limit. The details of disposal of Hazardous waste on a monthly basis is attached as Annexure III.																															

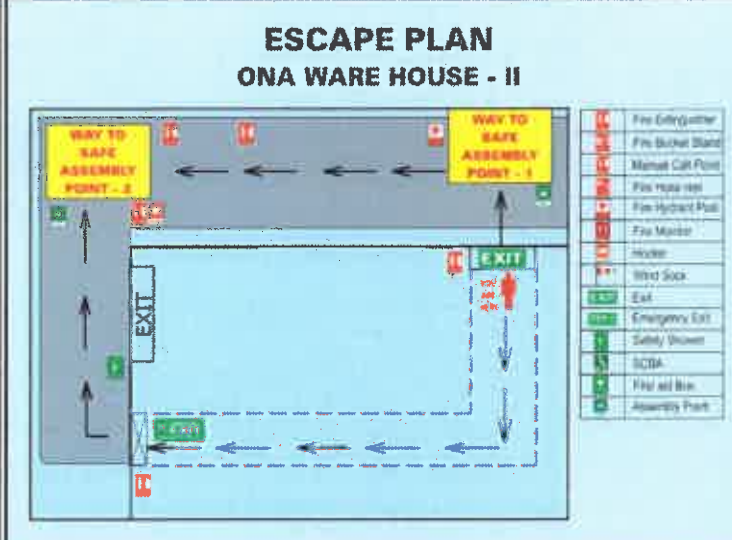
7	All synthetic organic chemicals located inside the notified industrial area estate are at S.N. 5(0) under category 'B'. However, due to applicability of general conditions (located within the 5 km both of Critically Polluted Area of Vapi and Interstate boundary), the project was appraised at central level by the sectoral EAC in the Ministry.	Noted.																																			
8	The TOR for the project was granted on 25th October, 2016 with the exemption from public hearing as per the provisions contained in Section 7 (i), II Stage (3), Para (i) (b) of EIA Notification 2006 as the project is located in the notified industrial area.	Noted.																																			
9	The proposal was considered by the Expert Appraisal Committee (Industry-2) in its 24 th meeting held during 14-16 June, 2017. The project proponent and the EIA Consultant namely M/s Jyoti Om Chemical Research Centre Private Limited presented EIA / EMP report as per the TOR. The Committee has found the EIA / EMP report to be satisfactory and in consonance with the presented TOR. The Committee has recommended the proposal for grant of environmental clearance.	Noted.																																			
10	Based on the proposal submitted by the project proponent and recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to project ' Expansion of Synthetic organic chemical manufacturing unit ' from the present capacity of 555 TPM to 1500 TPM (Amination products) by M/s Aarti Industries Ltd (Amine Division) in a total area of 20568 sqm at Plot No. 285, 286/1, A-1-322/12, 23, 24 Phase II, GIDC Estate, Pardi, District Valsad (Gujarat), under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:	Complied. We have obtained Valid CCA AWH-133769 dated 01.05.2024 valid Up to 16.05.2026.																																			
10(a)	The freshwater requirement shall not exceed 546.8 cum/day from GIDC and prior permission must be obtained from the concerned authority	Complied. The unit receives fresh water from GIDC. Data of the water consumption for the last six months is provided in the table below. <table><tr><th rowspan="2">MONTH</th><th colspan="3">WATER CONSUMPTION</th></tr><tr><th>MAXIMUM (m3/D)</th><th>MINIMUM (m3/D)</th><th>AVERAGE (m3/D)</th></tr><tr><td>Oct-24</td><td>454</td><td>26</td><td>266.5</td></tr><tr><td>Nov-24</td><td>368</td><td>158</td><td>239.2</td></tr><tr><td>Dec-24</td><td>364</td><td>206</td><td>267.7</td></tr><tr><td>Jan-25</td><td>299</td><td>21</td><td>150.0</td></tr><tr><td>Feb-25</td><td>202</td><td>34</td><td>395.8</td></tr><tr><td>Mar-25</td><td>399</td><td>21</td><td>390.4</td></tr><tr><td>Average</td><td>470.7</td><td>204.2</td><td>284.9</td></tr></table>	MONTH	WATER CONSUMPTION			MAXIMUM (m3/D)	MINIMUM (m3/D)	AVERAGE (m3/D)	Oct-24	454	26	266.5	Nov-24	368	158	239.2	Dec-24	364	206	267.7	Jan-25	299	21	150.0	Feb-25	202	34	395.8	Mar-25	399	21	390.4	Average	470.7	204.2	284.9
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10(b)	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.	Complied. The Unit has achieved ZLD since 2019 by installing RO Plant and sending the RO reject to MEE plant in our sister concern (Aarti Industries Limited - Organic Division XGN ID 22991) for further treatment via the following manifest system. The certificate for disconnection of drainage connection issued by GIDC on 26/04/2019 is attached as Annexure-II. The unit has obtained a CTE from GPCB with No CTE-88123 on 12.09.2017, CTE Amendment 91741 on 18.07.2018, CTE Amendment 97366 on 10.12.2018 and CTE Amendment 120032 on 03.08.2022 and CCA AWH-101586 dated 14.05.2019, CCA amendment with No H- 106873 Outward Date 05.03.2020, CCA AWH-133769 Dated 18.04.2024 from GPCB for sending RO rejects 40 KLD to captive MEE plant of our sister concern unit (Aarti Industries Limited - Organic Division XGN ID 22991). RO reject water disposal Summary from October 2024 - March 2025 is shown in below table. <table border="1" data-bbox="917 817 1444 1276"> <thead> <tr> <th>MONTH</th><th>RO Reject Total Quantity m3/Month</th><th>RO Reject Total Quantity m3/Day</th></tr> </thead> <tbody> <tr> <td>Oct-24</td><td>1134.63</td><td>36.6</td></tr> <tr> <td>Nov-24</td><td>1014.64</td><td>33.8</td></tr> <tr> <td>Dec-24</td><td>1206.41</td><td>38.9</td></tr> <tr> <td>Jan-25</td><td>1080.68</td><td>34.9</td></tr> <tr> <td>Feb-25</td><td>985.81</td><td>35.2</td></tr> <tr> <td>Mar-25</td><td>1113.61</td><td>35.9</td></tr> <tr> <td>Average</td><td>1089.3</td><td>35.9</td></tr> </tbody> </table> All the Parameters are within the prescribed limits.	MONTH	RO Reject Total Quantity m3/Month	RO Reject Total Quantity m3/Day	Oct-24	1134.63	36.6	Nov-24	1014.64	33.8	Dec-24	1206.41	38.9	Jan-25	1080.68	34.9	Feb-25	985.81	35.2	Mar-25	1113.61	35.9	Average	1089.3	35.9
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10(c)	Adequate stack height shall be provided to DG sets.	Complied. DG sets are provided with stacks of adequate height (11 m) and are used as stand-by power sources. Gaseous emission monitoring is being done monthly by MoEF and CC approved laboratory (ENPRO Enviro-Tech and Engineers Pvt.Ltd., Surat). Data of the analysis report has been provided in the table below. Copy of the analysis report is also being attached as Annexure-IV. At no time, the emissions exceeded prescribed limits during the reporting period. <table><tr><th rowspan="2">Table</th><th colspan="3">D.G SET 1 Stack Height: 11m</th><th colspan="3">D.G SET 2 Stack Height: 11m</th></tr><tr><th>PM (mg/Nm³)</th><th>SO_x (ppm)</th><th>NO_x (ppm)</th><th>PM (mg/Nm³)</th><th>SO_x (ppm)</th><th>NO_x (ppm)</th></tr><tr><td>GPCB limits</td><td>150</td><td>100</td><td>50</td><td>150</td><td>100</td><td>50</td></tr><tr><td>Oct-24</td><td>82.9</td><td>45.2</td><td>42.8</td><td>84.2</td><td>45.7</td><td>39.5</td></tr><tr><td>Nov-24</td><td>86.4</td><td>57.2</td><td>46.7</td><td>87.6</td><td>50.2</td><td>46.2</td></tr><tr><td>Dec-24</td><td>76.2</td><td>40.7</td><td>45.4</td><td>75.9</td><td>43.2</td><td>47</td></tr><tr><td>Jan-25</td><td>82.8</td><td>38</td><td>47.3</td><td>82.5</td><td>40.1</td><td>48.9</td></tr><tr><td>Feb-25</td><td>91.3</td><td>32.6</td><td>45.9</td><td>91.8</td><td>35.7</td><td>43.3</td></tr><tr><td>Mar-25</td><td>86.9</td><td>35.3</td><td>48.1</td><td>87.4</td><td>30.9</td><td>45</td></tr></table> All the Parameters are within the prescribed limits.	Table	D.G SET 1 Stack Height: 11m			D.G SET 2 Stack Height: 11m			PM (mg/Nm ³)	SO _x (ppm)	NO _x (ppm)	PM (mg/Nm ³)	SO _x (ppm)	NO _x (ppm)	GPCB limits	150	100	50	150	100	50	Oct-24	82.9	45.2	42.8	84.2	45.7	39.5	Nov-24	86.4	57.2	46.7	87.6	50.2	46.2	Dec-24	76.2	40.7	45.4	75.9	43.2	47	Jan-25	82.8	38	47.3	82.5	40.1	48.9	Feb-25	91.3	32.6	45.9	91.8	35.7	43.3	Mar-25	86.9	35.3	48.1	87.4	30.9	45
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10(d)	Scrubbers shall be provided to all emissions sources.	Complied. All emission sources are equipped with two stage scrubbers (Water followed by Acidic Scrubber) as required. The scrubbers vents are analyzed by an MoEF approved laboratory (Enviro-Tech and Engineers Pvt. Ltd., Surat) on a monthly basis. The details of analysis are provided in the table below. At no time, the emissions exceeded prescribed limits during the reporting period. Copies of the analysis reports are attached as Annexure-VI. <table><tr><th colspan="4">Stack attached to</th></tr><tr><th>Month</th><th>ONA Day tank - NH₃ (mg/Nm³)</th><th>ARP plant - NH₃ (mg/Nm³)</th><th>GPCB limits NH₃ (in mg/Nm³)</th></tr><tr><td>Oct-24</td><td>150.2</td><td>140.4</td><td rowspan="6">175</td></tr><tr><td>Nov-24</td><td>157.7</td><td>138.1</td></tr><tr><td>Dec-24</td><td>137.4</td><td>126.5</td></tr><tr><td>Jan-25</td><td>148</td><td>132</td></tr><tr><td>Feb-25</td><td>131.7</td><td>129.1</td></tr><tr><td>Mar-25</td><td>136.9</td><td>134.9</td></tr></table>	Stack attached to				Month	ONA Day tank - NH ₃ (mg/Nm ³)	ARP plant - NH ₃ (mg/Nm ³)	GPCB limits NH ₃ (in mg/Nm ³)	Oct-24	150.2	140.4	175	Nov-24	157.7	138.1	Dec-24	137.4	126.5	Jan-25	148	132	Feb-25	131.7	129.1	Mar-25	136.9	134.9																																			
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10(e)	The green belt of 10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Complied. The unit has developed a green belt in the Notified Area of GIDC Vapi to comply with the CPCB guidelines. 1. Rotary Raymond Circle to Gunjan Talkies (4320 sq.mtrs) 2. Gandhi Garden (2663 sq.mtrs)				
10(f)	5000 trees shall be planted in 5 years in 3 nearby villages with the consultation of the villagers. The survival rate of plants shall be reported to RO, MoEFandCC in 6 monthly compliance report	Complied. The unit has developed a green belt in the Notified Area of GIDC Vapi and nearby villages to comply with the CPCB guidelines.				
10(g)	At least 5% of the total cost of the project shall be earmarked toward the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office. Implementation of such a program shall be ensured accordingly in a time-bound manner. The following activities may be undertaken under ESC plan : i. Safe drinking water facility with RO plant in identified 3 nearby villages. The maintenance cost of the RO plant will be borne by the project proponent. ii. Solar/LED lights shall be provided on the streets of the identified villages.	Complied. The Company has spent 6.28 Cr as below Education and Skill Development : 3.06 Cr Healthcare : 0.38 Cr Tribal Welfare and Rural Development : 1.16 Cr Disaster Relief : 0.25 Cr Environment Conservation : 0.37 Cr Women Empowerment : 1.06 Cr				
10(h)	A regular environment manager having post graduate qualification in environmental science/ environment engineering to be appointed for looking after the environmental management activities of the proposed plant.	Complied. The unit has Environment Manager Having post graduate MSc. (Environmental) degree and appointed for Environment management activity.				
10(i)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutant concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install a web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	Complied. Unit's installed the CEMS as per CPCB/GPCB guideline and real time data is connected to CPCB/GPCB website. Continuous online (24x7) monitoring system for boiler has been installed as attached AnnexureV For online continuous monitoring of effluent, a flow meter and camera with night vision capability has been installed and connected to the CPCB server since the unit is a ZLD Unit. Photograph of PTZ camera and magnetic flowmeter is attached as Annexure-XII.				
10(j)	The unit shall make the arrangement for the protection of possible fire hazards during the manufacturing process in material handling. Fire fighting system shall be as per the norms.	Complied. Fire fighting system provided as per norms. The details of various fire fighting systems available in the unit are provided as Annexure-VIII.				
10(k)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. 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. - General checkup (height, weight, pulse, BP etc) -Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test, etc. Details of health surveillance of the workers is given below and medical reports have been attached as Annexure-IX. <table border="1"> <thead> <tr> <th>Month of surveillance</th><th>Total no. of Employees</th><th>Total no. of Contract Employees</th></tr> </thead> <tbody> <tr> <td>Oct 2024 - March 2025</td><td>222</td><td>122</td></tr> </tbody> </table>	Month of surveillance	Total no. of Employees	Total no. of Contract Employees	Oct 2024 - March 2025	222	122
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10(l)	All safety norms shall be followed in the warehouse facility.	Complied. All safety norms followed in the warehouse facility. Escape route plan for Warehouse provides a list and depicts the position of various fire fighting and safety equipment. Same has been attached. 
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10(m)	The by-product which falls under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.	Complied. Unit is complying with Hazardous Waste Rules and Its amendment time by time.
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General Condition

10.1 (i)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Complied. The unit strictly adheres to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.
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10.1 (ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. Unit will not take any expansion or modification in the plant other than those specified in the EC.																																																																																																																		
10.1 (iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCB and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied. Unit is complying with The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009. The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by a MoEF approved laboratory (ENPRO Enviro-Tech and Engineers Pvt.Ltd., Surat) , twice in a week. The results of the analysis are provided in the table. Copy of the analysis report has been attached as Annexure-X. <table><tr><th colspan="6">AIR AMBIENT MONITORING (all values in µg/m3)</th></tr><tr><th>MONTH</th><th>LOCATIONS</th><th>PM10</th><th>PM2.5</th><th>SO2</th><th>NO2</th></tr><tr><td colspan="2">Permissible GPCB Limits</td><td>100</td><td>60</td><td>80</td><td>80</td></tr><tr><td rowspan="3">October 2024</td><td>SECURITY GATE-1</td><td>63.9</td><td>31.8</td><td>29.1</td><td>34.5</td></tr><tr><td>Near SFD Plant</td><td>63.7</td><td>31.1</td><td>28.4</td><td>33.7</td></tr><tr><td>SECURITY GATE-3</td><td>63.3</td><td>30.7</td><td>28.6</td><td>32.9</td></tr><tr><td rowspan="3">November 2024</td><td>SECURITY GATE-1</td><td>76.5</td><td>35.3</td><td>31.5</td><td>39.6</td></tr><tr><td>Near SFD Plant</td><td>75</td><td>34.5</td><td>30.6</td><td>39.3</td></tr><tr><td>SECURITY GATE-3</td><td>76.8</td><td>35.1</td><td>30.1</td><td>40.4</td></tr><tr><td rowspan="3">December 2024</td><td>SECURITY GATE-1</td><td>82.9</td><td>40.4</td><td>35.2</td><td>43</td></tr><tr><td>Near SFD Plant</td><td>82.2</td><td>41.4</td><td>36.5</td><td>46.7</td></tr><tr><td>SECURITY GATE-3</td><td>79.9</td><td>41.4</td><td>37</td><td>46.9</td></tr><tr><td rowspan="3">January 2025</td><td>SECURITY GATE-1</td><td>82.6</td><td>39.6</td><td>34.8</td><td>46.3</td></tr><tr><td>Near SFD Plant</td><td>86.6</td><td>39.7</td><td>33.9</td><td>46</td></tr><tr><td>SECURITY GATE-3</td><td>93.3</td><td>45.2</td><td>40.7</td><td>55.9</td></tr><tr><td rowspan="3">February 2025</td><td>SECURITY GATE-1</td><td>81</td><td>39.2</td><td>34.3</td><td>43.5</td></tr><tr><td>Near SFD Plant</td><td>80</td><td>38.9</td><td>34.6</td><td>43.3</td></tr><tr><td>SECURITY GATE-3</td><td>84.6</td><td>40.6</td><td>35.9</td><td>46.8</td></tr><tr><td rowspan="3">March 2025</td><td>SECURITY GATE-1</td><td>80.9</td><td>38.9</td><td>33</td><td>44.8</td></tr><tr><td>Near SFD Plant</td><td>82.5</td><td>39.4</td><td>33.5</td><td>45.8</td></tr><tr><td>SECURITY GATE-3</td><td>85.1</td><td>39.5</td><td>33.4</td><td>45.3</td></tr></table> All the Parameters are within the prescribed limits.	AIR AMBIENT MONITORING (all values in µg/m3)						MONTH	LOCATIONS	PM10	PM2.5	SO2	NO2	Permissible GPCB Limits		100	60	80	80	October 2024	SECURITY GATE-1	63.9	31.8	29.1	34.5	Near SFD Plant	63.7	31.1	28.4	33.7	SECURITY GATE-3	63.3	30.7	28.6	32.9	November 2024	SECURITY GATE-1	76.5	35.3	31.5	39.6	Near SFD Plant	75	34.5	30.6	39.3	SECURITY GATE-3	76.8	35.1	30.1	40.4	December 2024	SECURITY GATE-1	82.9	40.4	35.2	43	Near SFD Plant	82.2	41.4	36.5	46.7	SECURITY GATE-3	79.9	41.4	37	46.9	January 2025	SECURITY GATE-1	82.6	39.6	34.8	46.3	Near SFD Plant	86.6	39.7	33.9	46	SECURITY GATE-3	93.3	45.2	40.7	55.9	February 2025	SECURITY GATE-1	81	39.2	34.3	43.5	Near SFD Plant	80	38.9	34.6	43.3	SECURITY GATE-3	84.6	40.6	35.9	46.8	March 2025	SECURITY GATE-1	80.9	38.9	33	44.8	Near SFD Plant	82.5	39.4	33.5	45.8	SECURITY GATE-3	85.1	39.5	33.4	45.3
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	SECURITY GATE-3	85.1	39.5	33.4	45.3																																																																																																															
10.1 (iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R NO. 826(E) dated 16th November, 2009 shall be followed.	Complied. Unit is complying with The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009. Please refer to point no.10.1 (iii) and Copy of the analysis report has been attached as Annexure-X.																																																																																																																		

10.1 (v)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environment (Protection) Act, 1968 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time)	Complied. The noise levels in the plant conforms to the standards prescribed in the EP Act, 1986. Acoustic Enclosures are equipped with DG sets for Controlling Noise levels. Noise monitoring is carried out by a MoEF approved laboratory (ENPRO Enviro-Tech and Engineers Pvt.Ltd., Surat) Details of the noise levels at various locations are mentioned in the table below. Copy of the report has been attached as Annexure-XI. <table><tr><th>SR. NO</th><th>LOCATION (Day time)</th><th>GPCB limit Unit</th><th>Maximum value</th><th>Minimum value</th><th>Mean value</th></tr><tr><td>1</td><td>Lunch Room</td><td rowspan="7">75 dBA</td><td>70.4</td><td>65.5</td><td>67.1</td></tr><tr><td>2</td><td>Security Gate</td><td>71.2</td><td>65.2</td><td>70.8</td></tr><tr><td>3</td><td>Material gate</td><td>72.5</td><td>66.4</td><td>70.6</td></tr><tr><td>4</td><td>Fabrication workshop</td><td>72.9</td><td>63.5</td><td>71.5</td></tr><tr><td>5</td><td>WareHouse-1</td><td>71.4</td><td>62.2</td><td>66.2</td></tr><tr><td>6</td><td>Warehouse-2</td><td>72.6</td><td>61.4</td><td>64.3</td></tr><tr><td>7</td><td>Central Toilet Bathroom</td><td>73.2</td><td>61.3</td><td>66.4</td></tr></table> <table><tr><th>SR. NO</th><th>LOCATION (Night time)</th><th>GPCB limit Unit</th><th>Maximum value</th><th>Minimum value</th><th>Mean value</th></tr><tr><td>1</td><td>Lunch Room</td><td rowspan="7">70 dBA</td><td>65.6</td><td>55.3</td><td>60.1</td></tr><tr><td>2</td><td>Security Gate</td><td>68.2</td><td>63.4</td><td>66.8</td></tr><tr><td>3</td><td>Material gate</td><td>66.4</td><td>60.2</td><td>64.6</td></tr><tr><td>4</td><td>Fabrication workshop</td><td>67.3</td><td>61.3</td><td>65.9</td></tr><tr><td>5</td><td>WareHouse-1</td><td>68.2</td><td>52.3</td><td>61.9</td></tr><tr><td>6</td><td>Warehouse-2</td><td>65.2</td><td>56.5</td><td>63.5</td></tr><tr><td>7</td><td>Central Toilet Bathroom</td><td>59.2</td><td>54.8</td><td>57.8</td></tr></table> All the Parameters are within the prescribed limits.	SR. NO	LOCATION (Day time)	GPCB limit Unit	Maximum value	Minimum value	Mean value	1	Lunch Room	75 dBA	70.4	65.5	67.1	2	Security Gate	71.2	65.2	70.8	3	Material gate	72.5	66.4	70.6	4	Fabrication workshop	72.9	63.5	71.5	5	WareHouse-1	71.4	62.2	66.2	6	Warehouse-2	72.6	61.4	64.3	7	Central Toilet Bathroom	73.2	61.3	66.4	SR. NO	LOCATION (Night time)	GPCB limit Unit	Maximum value	Minimum value	Mean value	1	Lunch Room	70 dBA	65.6	55.3	60.1	2	Security Gate	68.2	63.4	66.8	3	Material gate	66.4	60.2	64.6	4	Fabrication workshop	67.3	61.3	65.9	5	WareHouse-1	68.2	52.3	61.9	6	Warehouse-2	65.2	56.5	63.5	7	Central Toilet Bathroom	59.2	54.8	57.8
SR. NO	LOCATION (Day time)	GPCB limit Unit	Maximum value	Minimum value	Mean value																																																																																	
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10.1 (vi)	The company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the groundwater and use the same water for the process activities of the project to conserve fresh water.	Complied. Recharging of groundwater is not allowed in the GIDC area. However, the Unit has installed a roof top rainwater harvesting system and harvested rainwater is used for various purposes inside the premises. Photographs of rooftop rainwater harvesting systems and lines are attached as Annexure-XII.																																																																																				
10.1 (vii)	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on a regular basis. Training to all employees on handling of chemicals shall be imparted.	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.																																																																																				

		<table><tr><th>SR No.</th><th colspan="3">Safety and Health aspects training to employees</th></tr><tr><td>1</td><td rowspan="2">Total Employees</td><td>Sustainability Training including Safety Induction</td><td>111-A (including Handling of chemicals)</td></tr><tr><td>2</td><td>36</td><td>42</td></tr></table>	SR No.	Safety and Health aspects training to employees			1	Total Employees	Sustainability Training including Safety Induction	111-A (including Handling of chemicals)	2	36	42
SR No.	Safety and Health aspects training to employees												
1	Total Employees	Sustainability Training including Safety Induction	111-A (including Handling of chemicals)										
2		36	42										
10.1 (viii)	The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Complied. The company has complied with all the environmental protection measures and safeguards proposed in the project report submitted to the ministry. All the recommendations made in the EIA/EMP in respect of environmental management are implemented. Status of the compliance to the recommendations made in the EIA/EMP is attached as Annexure XIII.											
10.1 (ix)	The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Complied. The Company has spent 4.85 Cr as below. Education and Skill Development : 3.06 Cr Healthcare : 0.38 Cr Tribal Welfare and Rural Development : 1.16 Cr Disaster Relief : 0.25 Cr											
10.1 (x)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Complied. The Company has spent 6.03 Cr as below. Education and Skill Development : 3.06 Cr Healthcare : 0.38 Cr Tribal Welfare and Rural Development : 1.16 Cr Environment Conservation : 0.37 Cr Women Empowerment : 1.06 Cr											
10.1 (xi)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied. The Environment management cell comprises operators / supervisors/ Environmental Engineers / Plant Manager / Environmental Manager / Unit Head, Vice Presidents. Full fledged laboratory facility exists for environmental monitoring with facilities to carry out analysis like pH, COD, TDS, MLSS, MLVSS. Organogram is attached as Annexure VII.											
10.1 (xii)	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Complied. There is no limit to utilize the budget for the Environment management system. Budgetary allocation is made for revenue expenditure for routine operation of various treatment facilities. Allocated funds for environment management / pollution control are not diverted for any other purpose. The total expense is INR 1.77 crores											
10.1 (xiii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban local Body and the local NGO, if any, from whose suggestions/representations, if any, were received while processing the proposal.	Complied. The Unit has submitted the copy of the Environmental Clearance to necessary statutory authorities.											

10.1 (xiv)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEFandCC, the respective Zonal Office of CPCB and the State Pollution Control Board A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Complied. Six monthly compliance reports with all the required data have been sent to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board. Last Half yearly EC compliance was submitted on 01.12.2024 and an inward copy of the same has been attached as Annexure XIV.
10.1 (xv)	The Environmental statement for each financial year ending 31st March in Form V as is mandated shall be to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of Environment Clearance conditions and shall also be sent to the respective Regional Offices of MoEF by email.	Noted and Agreed. The unit is regularly submitting Environment Statement Form- V every year. Our last submission of Environmental statement for Last financial year (2023-24) in Form V was submitted on 22.07.2024
10.1 (xvi)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at the website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry	Complied. Advertisement has been given in the newspaper which is widely circulated in the region one in vernacular language and one in local language. The copy of the same has been attached as Annexure -XV.
10.1 (xvii)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied. The project is self financed and hence the date of financial closure is not applicable.
11	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted and Agreed.
12	The ministry reserves the right to stipulate additional conditions, if found necessary. The company , in a time bound manner will implement these conditions.	Noted and Agreed.
13	The above conditions will be enforced inter-alia under the provisions of The Water (Prevention of Pollution) Act - 1974, The Air (Prevention of Pollution) Act - 1981, The Environment (Protection) Act - 1986, The Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2016 and The Public Liability Insurance Act - 1991 read with subsequent amendments therein.	Noted and Agreed.

Annexure 1



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10

GANDHINAGAR - 3820

(T) 079-23232

R.P.A.D.

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

And whereas Board has received CC&A (Renewal) application inward no: 288758 dated: 06.11.2023 for the Consolidated Consent and Authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

CONSENTS AND AUTHORISATION:

(Under the provisions /rules of the aforesaid environmental acts)

To,
✓ M/s. Aarti Industries Ltd. (Amine Division),
Plot No. 285, 286/I, A-1 322/12, 23 & 24, Phase – III,
GIDC Estate Vapi – 396195,
Tal: Pardi, Dist : Valsad.

1. Consent Order No.: AWH- 133769, Date of issue: 18.04.2024.
2. The consents shall be valid up to 16.05.2026 for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/products:

Sr. No.	Product	Quantity
1	4-Nitro- Aniline (PNA) And/or	1500 MT/Month
2	2-Nitro- Aniline (ONA) And/or	
3	2 Chloro 4-Nitro- Aniline (OCPNA) And/or	
4	Para Chloro Ortho-Nitro- Aniline (PCONA) And/or	
5	Di Chloro Ortho Nitro Aniline (DCONA) and/or	
6	6- Chloro Ortho Nitro Aniline and/or	0.7 MW/Month
7	Captive Power Plant	

3. CONDITIONS UNDER WATER (PREVENTION AND CONTROL OF POLLUTION) ACT 1974:

- 3.1 The quantity of total water consumption shall not exceed 724 KLD (Fresh: 601 + Recycle: 123) as per break up mentioned in form D submitted for consent application under the Water (Prevention and Control of Pollution) Act-1974.
 - a) Industrial: 679 KLD
 - b) Domestic: 30 KLD
 - c) Gardening: 15 KLD
- 3.2 Total quantity of effluent generated from manufacturing process and other ancillary operation shall not exceed 133 KLD.
- 3.3 Generated 133 KLD industrial wastewater shall be treated in R.O Plant and R.O. Permeate 93 KLD shall be reused, while RO reject 40 KLD shall be sent to captive MEE of sister concern unit M/s. Aarti Industries Ltd. (Organic Division) through dedicated GPS mounted tankers.
- 3.4 The quantity of Domestic waste water (Sewage) from the industry shall not exceed 30 KLD.
- 3.5 Domestic effluent (Sewage) @30 KLD shall be treated in Sewage Treatment Plant and out of which @15 KLD shall be utilized for gardening purpose while @15 KLD shall be recycled in manufacturing process after confirming below standards:

M

Parameters	Norms
pH	6.5-9.0
BOD	30 mg/l
TSS	< 100 mg/l
Fecal Coli form (MPN/100ml)	< 1000

4. **CONDITIONS UNDER THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT 1981:**

4.1 The following shall be used as fuel

Sr. No.	Fuel	Consumption
1	Coal / Lignite/ Biomass Briquette	1.5 MT/Hr
2	Diesel	420 Lit/Hr.
3	Receiving steam from M/s. Ganesh Polychem Ltd.	8 TPH

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

Sr. No.	Stack attached to	Stack Height	APCM	Parameter & Permissible Limit
1	Boiler (13 HP) (Stand by)	30 M	ESP + Lime Dosing System	PM - 150 mg/Nm ³
2	D. G. Set (03 Nos.) (Stand by) (01 nos. of 1000 KVA & 2 nos. of 625 KVA Each)	11 M	Acoustic Enclosure	SO ₂ - 100 ppm NO _x - 50 ppm

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

Sr. No.	Stack attached to	Stack Height	APCM	Parameter & Permissible Limit
1	Autoclave Reactor & ONA day Tank	11 M	Water Scrubber followed by diluted Sulphuric / Hydrochloric Acid Scrubber	NH ₃ - 140 mg/Nm ³
2	Ammonia Recovery	11 M		
3	Spin Flash Dryer	15 M	Bag filter - Water Scrubber	PM - 16 mg/Nm ³
4	HCl in cooling Tank Scrubber	11 M	Alkali Scrubber	HCl - 16 mg/Nm ³

4.4 The Concentration of the following substances in the ambient air within the premises of the industry and at a distance of 10 meters from the source (other than the stack / vent with height of more than 9 meters from the ground level) shall not exceed the following.

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient air in µg/NM ³
1.	Sulphur Dioxide (SO ₂)	Annual 24 Hours	50 80
2.	Nitrogen Dioxide (NO ₂)	Annual 24 Hours	40 80
3.	Particulate Matter (Size less than 10 µm) OR PM ₁₀	Annual 24 Hours	60 100
4.	Particulate Matter (Size less than 2.5 µm) OR PM _{2.5}	Annual 24 Hours	40 60
5.	Carbon Monoxide (CO) in mg/m ³	8 Hours 1 Hour	02 04

4.5 All measures for the control of environmental pollutant shall be provided before commencing production.

5. **GENERAL CONDITIONS:**

5.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.

5.2 Management of Solid Waste generated from industrial activities shall be as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).



GUJARAT POLLUTION CONTROL BOAF

PARYAVARAN BHAVAN, SECTOR 10

GANDHINAGAR - 3820

(T) 079-23232

6. **Authorization under Hazardous and Other Waste (Management and Transboundary Movement) Rules-2016, Form-2 (See rule 6(2))**
- 6.1 Number of authorization: AWH-133749, Date of issue: 18.04.2024.
- 6.2 Reference of application: 288758 dated: 06.11.2023.
- 6.3 M/s. Aarti Industries Ltd. (Amine Division), is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilization, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at Plot No: 285, 286/1, A-1 322/12, 23 & 24, Phase - III, GIDC Estate, Vapi - 396195, Tal: Pardi, Dist : Valsad.

Details of authorization:

Sr. No	Type of Waste	Qty. MTPA	Disposal Mode
1	ETP Waste (35.3)	1320	Collection, Storage, Transportation, and Disposal to authorized TSDF/ Co-Processor by use of GPS mounted vehicles and XGN manifest system.
2	Calcium Sludge (35.3)	1620	Collection, Storage, Transportation, and Disposal to authorized TSDF/ Co-Processor by use of GPS mounted vehicles and XGN manifest system.
3	Process Waste Containing Organic Complex (26.1)	3120	Collection, Storage, Transportation, and Disposal at authorized CHWIF / Co C Processing/Pre-Processing units by use of GPS mounted vehicles and XGN manifest system.
4	Discarded Containers/Bags (33.1)	What so ever generated	Collection, Storage, Decontamination, Transportation, and Disposal by selling to authorize recyclers/decontamination facility by use of GPS mounted vehicles and XGN manifest system.
5	Used Oil (5.1)	03	Collection, Storage, Transportation, disposal by selling to authorize recycler by use of GPS mounted vehicles and XGN manifest system.
6	Calcium Chloride Solution (5.2)	8876	Collection, Storage, and disposal by in-house treatment within premises.
7	Ammonia Solution (B.2)	7176	Collection, Storage, Transportation, Disposal by sending to authorized end users having Rule-9 permission, by use of GPS mounted vehicles and XGN manifest system.
8	Waste Containing oil (5.2)	2	Collection, Storage, Transportation, and Disposal by selling to authorize recycler Co-processing, Pre-Processing units by use of GPS mounted vehicles and XGN manifest system.
9	Used Filter Cloth (35.1)	1	Collection, Storage, Transportation, Disposal at authorized CHWIF /Pre-processor by use of GPS mounted vehicles and XGN manifest system.
10	Insulation waste	What so ever generated	Collection, Storage, Transportation, and Disposal at authorized TSDF by use of GPS mounted vehicles and XGN manifest system.
11	DM Resin (35.2)	3	Collection, Storage, Transportation, Disposal at authorized CHWIF / Pre-processor by use of GPS mounted vehicles and XGN manifest system.
12	Ceramic Saddle (B.2)	1	Collection, Storage, Transportation, Disposal at authorized CHWIF /Pre-processor / Co-processors by use of GPS mounted vehicles and XGN manifest system.
13	RO Membranes (33.1)	2	
14	Non- Recyclable Plastic waste Discarded RO membrane & PPET's (33.1)	What so ever generated	Collection, Storage, Transportation, Disposal at authorized CHWIF /Pre-processor / Co-processors by use of GPS mounted vehicles and XGN manifest system.
15	E-Waste/ Electrical Waste (B.11.10)	5	Collection, Storage, Transportation, and Disposal by selling to authorized recyclers by use of GPS mounted vehicles and XGN manifest system.
16	Spent Sulfuric Acid (26.3 or B-15) (Sch-II)	70	Reception, Collection, Storage and utilize in ETP for Neutralization.

Sr. No	Type of Waste	Qty. MTPA	Disposal Mode
17	Spent Hydrochloric Acid (B-17) (Schedule-II)	08	Reception, Collection, Storage and utilize in DM Plant for regeneration of spent cation exchange resin.

6.4 The authorization shall be valid for a period of **16.05.2026**.

6.5 The authorization is subject to the following general and specific conditions:

A. General Conditions under Hazardous and other Wastes (Management and Transboundary Movement) Rules-2016:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The Board reserves the right to review and/or revoke the consent and/or make variations in the conditions, which the Board deems, fit in accordance with Section 27 of the Act.
4. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
5. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
6. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
7. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
8. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
9. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and for clean-up operation.
10. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
11. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
12. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
13. An application for the renewal of an authorization shall be made as laid down under these Rules.
14. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
15. Annual return shall be filed by June 30th for the period ensuing 31st March of the year.

B. Specific Conditions:

1. The authorized actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.
2. Handing over of the hazardous and other wastes to the authorized actual user shall be only after making the entry into the passbook of the actual user.
3. In case of renewal of authorization, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.
4. The occupier of the facility shall comply Standard operating procedure/ guidelines published by MoEF&CC or CPCB or GPCB from time to time.
5. Unit shall comply provisions of E-Waste Management Rules-2016.

For and on behalf of
Gujarat Pollution Control Board


(Ashok Chauhan)
Unit Head, Vapi

Annexure 2

સંખ્યા: AARTI IND. LTD.
ખોટ/રોડ નંબર 286-1
જા.આઈ.સી.સી. વપી
તા. 25/04/2019.

પંચનામું

સંદર્ભ:- DM/S. AARTI IND. LTD 12th Dec 15/04/2019.
27 GPCB (CCA - VSP - 483(4)/ID - 22988/499838 dated 25/04

આથી અમો નીચે સારી સ્વચ્છતા પંચો જા.આઈ.સી.સી.સી. વપી ખાતે આવેલ ખોટ/રોડ નંબર 286-1
પર રૂબરૂ હાજર રહે અને જણાવીએ છીએ કે

2. AARTI IND. LTD
ખોટ/રોડ નંબર 286-1 નિમ્ન ક્ષણ આપવામાં આવેલ ડ્રેનેજ લાઈનનું કાચાલ ડ્રેનેજ જોડાણને ઉપરોક્ત
ગ્રેડલ (1) મુજબ આજે તા. 25/04/2019 ના રોજ અમારી હાજરીમાં બધે કાચાલ આવેલ છે. આમ કાચાલ ડ્રેનેજ જોડાણ
કાચાલ વગર છે.

ઉપરોક્ત બંધ/કાચ વગેરે ડ્રેનેજ જોડાણ સિવાય જો અન્ય કોઈ ડ્રેનેજ જોડાણ જણાશે તો તેની સંપૂર્ણ જવાબદારી
મે. AARTI IND. LTD ખોટ/રોડ નં. 286-1 ના માલિકની રહેશે અને એની જે
પેનલ્ટી / સેવામાં કાચાલ આવશે તે બેચકાસી રહેશે.

ઉપર મુજબની લખીત અમો પંચો બિન કોઈ ઘાલતમાં તથા કોઈપણ અતની પ્રાપ્તિમાં વગર ક્યુમ ભુલિથી લખી
જણાવીએ છીએ.

(Signature) No. 20912

પંચો:-

નામ

રહી

1) રાજેશ પટેલકુશળ કંડોલભાઈ

જા.આઈ.સી.સી. - A.C.C.

2) વાળી ડીન વોનકીસેવ તાળાઈ

Signature Made up L. Hand - C.A.C.C.

3) રાજેશ રાજેશભાઈ કોરેશીભાઈ

Signature A.C.C. (19/4)

4) મે. AARTI IND. LTD.

AARTI INDUSTRIES LTD.

25/02/2019 નંબર 286-1

Authorised Signatory

5) વાળી રાજેશભાઈ કોરેશીભાઈ

Signature

706991008

Annexure 3

Month	Quantity Dispatch to Common TSDF			Quantity Dispatch to Common Incineration	Quantity Send to Recycling		Quantity Send to Authorized end user		Quantity utilized			Quantity Send to Disposal
	ETP Wase/ Calcium Sludge (35.3)	Plastic waste (S4)	Insulation Waste (S1)		Process Waste Containing Organic Complex (26.1)	Plastic Waste	Flyash	Calcium Chloride Solution	Ammonia Solution (B2)	Spent HCl	HCL from Aarti Industries (Organic Division) PCB ID : 22991	
Oct-24	118.64	0	0	77.93	0	0	1173.68	283.38	276.35	215.56	60.79	1134.63
Nov-24	294.19	1.78	2.02	18.00	0	13.5	1108.79	0	313.52	216.74	96.78	1014.64
Dec-24	182.00	3.75	0.4	82.48	0	30.12	1169.75	14.47	261.60	189.94	71.66	1206.41
Jan-25	117.55	13.03	0	50.36	0	0	854.10	45.65	216.44	136.95	79.49	1080.68
Feb-25	155.31	5.35	1.81	60.93	1.35	28.87	977.28	243.27	216.44	201.14	15.30	985.81
Mar-25	60.66	0	0	42.44	0	69.1	1232.87	271.19	291.90	271.52	20.38	1113.61
Total	928.35	23.91	4.23	332.14	1.35	141.59	6516.47	857.96	1576.25	1231.85	344.40	6535.78

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,
Sachin-Palsana Road, Sachin, Surat - 394 230, Gujarat, INDIA.
Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : QR/7.8/01	Test Report No : ETL/001558/25-	Issue Date : 18-03-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Boiler -13 TPH

Sampling By : ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample : 1 / 1 No.
Date of Sampling : 10-03-2025	Packing / Seal : Sealed
Sample Received Date : 11-03-2025	Protocol / Purpose : Stack Gas Analysis
Date of Starting of Test : 11-03-2025	Date of Completion : 13-03-2025
Sampling Method : WI/ST/A	Sample ID : 0325/ST02458
Duration Sampling : 60 min.	Fuel : Coal

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
30	1.00	127	4.70	8722

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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Sweety Patel (Dy.TM)

REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000002458F	Issue Date : 18-03-2025
ULR No : TC588525000002458F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**
Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist - Valsad.

Description of Sample : Stack attached to Boiler -13 TPH	Qty / Nos of Sample : 1 / 1 No.
Sampling By : ENPRO Team-Mr.Vihang Patel	Packing / Seal : Sealed
Date of Sampling : 10-03-2025	Protocol / Purpose : Stack Gas Analysis
Sample Received Date : 11-03-2025	Date of Completion : 13-03-2025
Date of Starting of Test : 11-03-2025	Sample ID : 0325/ST02458
Sampling Method : W/ST/A	Fuel : Coal
Duration Sampling : 60 min.	

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
30	1.00	127	4.70	9722

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Oxygen (as O ₂)	%	8.00	-	SOP No.W/ST/10
2	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.W/ST/10
3	CO	%	0.021	-	SOP No.W/ST/10
4	Particulate Matter (PM)	mg/Nm³	78.2	150	IS 11255 (Part-1):1985
5	Sulphur Dioxide (SO ₂)	ppm	36.6	100	IS 11255 (Part-2):1985
6	Oxides of Nitrogen (as NO _x)	ppm	31.9	50	IS 11255 (Part-7):2005

Note : BDL - Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000002459F	Issue Date : 18-03-2025
ULR No : TC588525000002459F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**
Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to DG 750 KVA	Qty / Nos of Sample : 1 / 1 No.
Sampling By : ENPRO Team-Mr Vihang Patel	Packing / Seal : Sealed
Date of Sampling : 10-03-2025	Protocol / Purpose : Stack Gas Analysis
Sample Received Date : 11-03-2025	Date of Completion : 13-03-2025
Date of Starting of Test : 11-03-2025	Sample ID : 0325/ST02459
Sampling Method : WI/ST/A	Fuel : Diesel
Duration Sampling : 60 min.	

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	119	7.20	1370

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)		SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	86.9	150	IS 11255 (Part-1):1985
3	Sulphur Dioxide (SO ₂)	ppm	35.3	100	IS 11255 (Part-2):1985
4	Oxides of Nitrogen (as NO ₂)	ppm	48.1	50	IS 11255 (Part-7):2005

Note : BDL > Below Detectable Limit

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Page 1 of 1

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,
Sachin-Palsana Road, Sachin, Surat - 394 230, Gujarat, INDIA.
Lab Ph. : +91 95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : QR/7.8/01	Test Report No : ETL/001560/25-	Issue Date : 18-03-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to DG 750 KVA	Qty / Nos of Sample : 1 / 1 No.	
Sampling By : ENPRO Team-Mr.Vihang Patel	Packing / Seal : Sealed	
Date of Sampling : 10-03-2025	Protocol / Purpose : Stack Gas Analysis	
Sample Received Date : 11-03-2025	Date of Completion : 13-03-2025	
Date of Starting of Test : 11-03-2025	Sample ID : 0325/ST02459	
Sampling Method : WI/ST/A	Fuel : Diesel	
Duration Sampling : 60 min.		

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	119	7.20	1370

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	USEPA Method - 18
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	USEPA Method - 18
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm³	BDL(<1)	-	SOP No. WI/ST/44-03

Note : BDL :- Below Detectable Limit

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000002460F	Issue Date : 18-03-2025
ULR No : TC588525000002460F	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No. -285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to DG 625 KVA		
Sampling By : ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 10-03-2025	Packing / Seal : Sealed	
Sample Received Date : 11-03-2025	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 11-03-2025	Date of Completion : 13-03-2025	
Sampling Method : WI/ST/A	Sample ID : 0325/ST02460	
Duration Sampling : 60 min.	Fuel : Diesel	

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	129	7.00	1294

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	3.10	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	87.4	150	IS 11255 (Part-1):1985
3	Sulphur Dioxide (SO ₂)	ppm	30.9	100	IS 11255 (Part-2):1985
4	Oxides of Nitrogen (as NO _x)	ppm	45.0	50	IS 11255 (Part-7):2005

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/001561/25-	Issue Date : 18-03-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to DG 625 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Date of Sampling : 10-03-2025

Sample Received Date : 11-03-2025

Date of Starting of Test : 11-03-2025

Sampling Method : WI/ST/A

Duration Sampling : 60 min.

Qty / Nos of Sample : 1 / 1 No.

Packing / Seal : Sealed

Protocol / Purpose : Stack Gas Analysis

Date of Completion : 13-03-2025

Sample ID : 0325/ST02460

Fuel : Diesel

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	129	7.00	1294

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	USEPA Method - 18
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	USEPA Method - 18
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL > Below Detectable Limit

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000001790F	Issue Date : 27-02-2025
ULR No : TC588525000001790F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Boiler -13 TPH

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 21-02-2025

Packing / Seal : Sealed

Sample Received Date : 22-02-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 22-02-2025

Date of Completion : 24-02-2025

Sampling Method : WI/ST/A

Sample ID : 0225/ST01790

Duration Sampling : 60 min.

Fuel : Coal

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
30	1.00	131	4.00	8248

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Oxygen (as O ₂)	%	7.20	-	SOP No.WI/ST/10
2	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
3	CO	%	0.027	-	SOP No.WI/ST/10
4	Particulate Matter (PM)	mg/Nm ³	75.3	150	IS 11255 (Part-1):1985
5	Sulphur Dioxide (SO ₂)	ppm	33.4	100	IS 11255 (Part-2):1985
6	Oxides of Nitrogen (as NO _x)	ppm	27.5	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit

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Chintan Desai (TM)

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Page 1 of 1

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Holiwala Industrial Estate, Gate No. 3

Sachin-Palsana Road, Sachin, Surat - 394 230, Gujarat, INDIA.

Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : QR7.8/01	Test Report No : ETL/000932/25-	Issue Date : 27-02-2025
ULR No : N.A	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Boiler -13 TPH

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 21-02-2025

Packing / Seal : Sealed

Sample Received Date : 22-02-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 22-02-2025

Date of Completion : 24-02-2025

Sampling Method : WI/ST/A

Sample ID : 0225/ST01790

Duration Sampling : 60 min

Fuel : Coal

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
30	1.00	131	4.00	6248

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000001791F	Issue Date : 27-02-2025
ULR No : TC588525000001791F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample	: Stack attached to DG 750 KVA	Qty / Nos of Sample	: 1 / 1 No.
Sampling By	: ENPRO Team-Mr.Vihang Patel	Packing / Seal	: Sealed
Date of Sampling	: 21-02-2025	Protocol / Purpose	: Stack Gas Analysis
Sample Received Date	: 22-02-2025	Date of Completion	: 24-02-2025
Date of Starting of Test	: 22-02-2025	Sample ID	: 0225/ST01791
Sampling Method	: W/ST/A	Fuel	: Diesel
Duration Sampling	: 60 min.		

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	131	8.40	1556

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.W/ST/10
2	Particulate Matter (PM)	mg/Nm³	91.3	150	IS 11255 (Part-1):1985
3	Sulphur Dioxide (SO ₂)	ppm	32.8	100	IS 11255 (Part-2):1985
4	Oxides of Nitrogen (as NO ₂)	ppm	45.9	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt Ltd.(ETL)


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REVIEWED AND AUTHORISED BY
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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000884/25-	Issue Date : 27-02-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to DG 750 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 21-02-2025

Packing / Seal : Sealed

Sample Received Date : 22-02-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 22-02-2025

Date of Completion : 24-02-2025

Sampling Method : WI/ST/A

Sample ID : 0225/ST01791

Duration Sampling : 60 min.

Fuel : Diesel

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
11	0.30	131	8.40	1556

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	USEPA Method - 18
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	USEPA Method - 18
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


CHECKED BY
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REVIEWED AND AUTHORISED BY
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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000001792F	Issue Date : 27-02-2025
ULR No : TC588525000001792F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist - Valsad.

Description of Sample : Stack attached to DG 625 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 21-02-2025

Packing / Seal : Sealed

Sample Received Date : 22-02-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 22-02-2025

Date of Completion : 24-02-2025

Sampling Method : WI/ST/A

Sample ID : 0225/ST01792

Duration Sampling : 60 min.

Fuel : Diesel

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	125	8.20	1536

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	3.50	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	91.8	150	IS 11255 (Part-1):1985
3	Sulphur Dioxide (SO ₂)	ppm	35.7	100	IS 11255 (Part-2):1985
4	Oxides of Nitrogen (as NO _x)	ppm	43.3	50	IS 11255 (Part-7):2005

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

CHECKED BY

Sweety Patel (Dy.TM)

REVIEWED AND AUTHORISED BY

Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3

Sachin-Palsana Road, Sachin, Surat - 394 230, Gujarat, INDIA

Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : GR/7.8/01	Test Report No : ETL/000936/25-	Issue Date : 27-02-2025
JLR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to DG 625 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 21-02-2025

Packing / Seal : Sealed

Sample Received Date : 22-02-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 22-02-2025

Date of Completion : 24-02-2025

Sampling Method : WI/ST/A

Sample ID : 0225/ST01792

Duration Sampling : 60 min.

Fuel : Diesel

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
11	0.30	125	8.20	1536

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	USEPA Method - 18
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	USEPA Method - 18
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

CHECKED BY

Sweety Patel (Dy.TM)

REVIEWED AND AUTHORISED BY

Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000000568F	Issue Date : 24-01-2025
ULR No : TC588525000000568F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**
Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Boiler -13 TPH

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 17-01-2025

Packing / Seal : Sealed

Sample Received Date : 18-01-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 18-01-2025

Date of Completion : 20-01-2025

Sampling Method : WI/ST/A

Sample ID : 0125/ST00568

Duration Sampling : 60 min.

Fuel : Coal

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
30	1.00	123	3.60	7309

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Oxygen (as O ₂)	%	8.30	-	SOP No.WI/ST/10
2	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
3	CO	%	0.034	-	SOP No.WI/ST/10
4	Particulate Matter (PM)	mg/Nm³	81.5	150	IS 11255 (Part-1):1985
5	Sulphur Dioxide (SO ₂)	ppm	44.0	100	IS 11255 (Part-2):1985
6	Oxides of Nitrogen (as NO ₂)	ppm	38.5	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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Sweety Patel (Dy.TM)


REVIEWED AND AUTHORISED BY
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*** End of Report ***

Page 1 of 1



ENPRO
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Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,
Sachin-Palsana Road, Sachin, Surat - 394 230. Gujarat, INDIA.

Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000214/25-	Issue Date : 24-01-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Boiler -13 TPH

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 17-01-2025

Packing / Seal : Sealed

Sample Received Date : 18-01-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 18-01-2025

Date of Completion : 20-01-2025

Sampling Method : WI/ST/A

Sample ID : 0125/ST00568

Duration Sampling : 60 min.

Fuel : Coal

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
30	1.00	123	3.60	7309

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

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Page 1 of 1



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Project Consultant

ENPRO Enviro Tech and Engineers Pvt. Ltd.

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,
Sachin-Palsana Road, Sachin, Surat - 394 230. Gujarat, INDIA.
Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in



TC - 5885

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000000569F	Issue Date : 24-01-2025
ULR No : TC588525000000569F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to DG 750 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Date of Sampling : 17-01-2025

Sample Received Date : 18-01-2025

Date of Starting of Test : 18-01-2025

Sampling Method : WI/ST/A

Duration Sampling : 60 min.

Qty / Nos of Sample : 1 / 1 No.

Packing / Seal : Sealed

Protocol / Purpose : Stack Gas Analysis

Date of Completion : 20-01-2025

Sample ID : 0125/ST00569

Fuel : Diesel

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	129	8.10	1498

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	82.8	150	IS 11255 (Part-1):1985
3	Sulphur Dioxide (SO ₂)	ppm	38.0	100	IS 11255 (Part-2):1985
4	Oxides of Nitrogen (as NO ₂)	ppm	47.3	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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Sweety Patel (Dy.TM)

REVIEWED AND AUTHORISED BY

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000215/25-	Issue Date : 24-01-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.)

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to DG 750 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 17-01-2025

Packing / Seal : Sealed

Sample Received Date : 18-01-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 18-01-2025

Date of Completion : 20-01-2025

Sampling Method : WI/ST/A

Sample ID : 0125/ST00569

Duration Sampling : 60 min.

Fuel : Diesel

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	129	8.10	1498

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	GC Method
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	GC Method
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000000570F	Issue Date : 24-01-2025
ULR No : TC588525000000570F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to DG 625 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Date of Sampling : 17-01-2025

Sample Received Date : 18-01-2025

Date of Starting of Test : 18-01-2025

Sampling Method : WI/ST/A

Duration Sampling : 60 min.

Qty / Nos of Sample : 1 / 1 No.

Packing / Seal : Sealed

Protocol / Purpose : Stack Gas Analysis

Date of Completion : 20-01-2025

Sample ID : 0125/ST00570

Fuel : Diesel

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
11	0.30	114	7.60	1464

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	2.90	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm ³	82.5	150	IS 11255 (Part-1):1985
3	Sulphur Dioxide (SO ₂)	ppm	40.1	100	IS 11255 (Part-2):1985
4	Oxides of Nitrogen (as NO ₂)	ppm	48.9	50	IS 11255 (Part-7):2005

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000223/25-	Issue Date : 24-01-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample : Stack attached to DG 625 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Date of Sampling : 17-01-2025

Sample Received Date : 18-01-2025

Date of Starting of Test : 18-01-2025

Sampling Method : WI/ST/A

Duration Sampling : 60 min.

Qty / Nos of Sample : 1 / 1 No.

Packing / Seal : Sealed

Protocol / Purpose : Stack Gas Analysis

Date of Completion : 20-01-2025

Sample ID : 0125/ST00570

Fuel : Diesel

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
11	0.30	114	7.60	1464

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	GC Method
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	GC Method
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)



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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000012295F	Issue Date : 21-12-2024
ULR No : TC588524000012295F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad		
Description of Sample	: Stack attached to Boiler -13 TPH	
Sampling By	: ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No
Date of Sampling	: 14-12-2024	Packing / Seal : Sealed
Sample Received Date	: 16-12-2024	Protocol / Purpose : Stack Gas Analysis
Date of Starting of Test	: 16-12-2024	Date of Completion : 18-12-2024
Sampling Method	: WI/ST/A	Sample ID : 1224/ST12295
Duration Sampling	: 60 min.	Fuel : Coal

STACK DETAILS :				
Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
30	1.00	118	2.80	5914

RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Oxygen (as O ₂)	%	7.80	-	SOP No.WI/ST/10
2	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
3	CO	%	0.296	-	SOP No.WI/ST/10
4	Particulate Matter (PM)	mg/Nm³	77.6	150	IS 11255 (Part-1):1985
5	Sulphur Dioxide (SO ₂)	ppm	39.1	100	IS 11255 (Part-2):1985
6	Oxides of Nitrogen (as NO ₂)	ppm	35.3	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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*** End of Report ***

Test Report

Format No : QR/7.8/01	Test Report No : ETL/005909/24	Issue Date : 21-12-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist - Valsad.		
Description of Sample : Stack attached to Boiler -13 TPH		
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 14-12-2024	Packing / Seal : Sealed	
Sample Received Date : 16-12-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-12-2024	Date of Completion : 18-12-2024	
Sampling Method : WI/ST/A	Sample ID : 1224/ST12295	
Duration Sampling : 60 min.	Fuel : Coal	

STACK DETAILS :				
Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
30	1.00	118	2.80	5914

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	BDL(<1)		SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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*** End of Report ***

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000012296F	Issue Date : 21-12-2024
ULR No : TC588524000012296F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**
Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 395195, Dist. - Valsad.

Description of Sample : Stack attached to DG 750 KVA			
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya		Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 14-12-2024		Packing / Seal : Sealed	
Sample Received Date : 16-12-2024		Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-12-2024		Date of Completion : 18-12-2024	
Sampling Method : WI/ST/A		Sample ID : 1224/ST12296	
Duration Sampling : 60 min.		Fuel : Diesel	

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	112	6.80	1318

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	76.2	150	IS 11255 (Part-1):1985
3	Sulphur Dioxide (SO ₂)	ppm	40.7	100	IS 11255 (Part-2):1985
4	Oxides of Nitrogen (as NO _x)	ppm	45.5	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/006154/24	Issue Date : 21-12-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to DG 750 KVA		
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 14-12-2024	Packing / Seal : Sealed	
Sample Received Date : 16-12-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-12-2024	Date of Completion : 18-12-2024	
Sampling Method : WI/ST/A	Sample ID : 1224/ST12296	
Duration Sampling : 60 min.	Fuel : Diesel	

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	112	6.80	1318

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	USEPA Method - 18
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	USEPA Method - 18
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000012297F	Issue Date : 21-12-2024
ULR No : TC588524000012297F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amino Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample	: Stack attached to DG 625 KVA	
Sampling By	: ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.
Date of Sampling	: 14-12-2024	Packing / Seal : Sealed
Sample Received Date	: 16-12-2024	Protocol / Purpose : Stack Gas Analysis
Date of Starting of Test	: 16-12-2024	Date of Completion : 18-12-2024
Sampling Method	: WI/ST/A	Sample ID : 1224/ST12297
Duration Sampling	: 60 min.	Fuel : Diesel

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	105	7.10	1398

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	3.10	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	75.9	150	IS 11255 (Part-1):1985
3	Sulphur Dioxide (SO ₂)	ppm	43.2	100	IS 11255 (Part-2):1985
4	Oxides of Nitrogen (as NO _x)	ppm	47.0	50	IS 11255 (Part-7):2005

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

CHECKED BY
Sweety Patel (Dy.TM)

REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,

Sachin-Palsana Road, Sachin, Surat - 394 230, Gujarat, INDIA

Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : QR/7.8/01	Test Report No : ETL/005912/24	Issue Date : 21-12-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to DG 625 KVA

Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 14-12-2024

Packing / Seal : Sealed

Sample Received Date : 16-12-2024

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 16-12-2024

Date of Completion : 18-12-2024

Sampling Method : WI/ST/A

Sample ID : 1224/ST12297

Duration Sampling : 60 min.

Fuel : Diesel

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	106	7.10	1398

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	USEPA Method - 18
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	USEPA Method - 18
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)



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Sweete Patel (Dy.TM)



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Chintan Desai (TM)

Note 1 : This Report is subject to terms & conditions mentioned overleaf.

Note 2 : Details about MU and Decision Rules are available with laboratory and same will be provided upon request.

*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000010905F	Issue Date : 21-11-2024
ULR No : TC588524000010905F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.)
Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Boiler -13 TPH	Qty / Nos of Sample : 1 / 1 No.
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Packing / Seal : Sealed
Date of Sampling : 15-11-2024	Protocol / Purpose : Stack Gas Analysis
Sample Received Date : 16-11-2024	Date of Completion : 16-11-2024
Date of Starting of Test : 16-11-2024	Sample ID : 1124/ST10905
Sampling Method : W/ST/A	Fuel : Coal
Duration Sampling : 60 min.	

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
30	1.00	126	3.40	7030

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Oxygen (as O ₂)	%	8.10	-	SOP No.WI/ST/10
2	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
3	CO	%	0.031	-	SOP No.WI/ST/10
4	Particulate Matter (PM)	mg/Nm³	74.2	150	IS 11255 (Part-1):1985
5	Sulphur Dioxide (SO ₂)	ppm	42.3	100	IS 11255 (Part-2):1985
6	Oxides of Nitrogen (as NO _x)	ppm	38.2	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01		Test Report No : ETL/005397/24		Issue Date : 21-11-2024	
ULR No : N.A.		Discipline : Chemical		Group : Atmospheric Pollution	
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.					
Description of Sample : Stack attached to Boiler -13 TPH					
Sampling By : ENPRO Team-Mr Nikunj Vaghasiya		Qty / Nos of Sample : 1 / 1 No.			
Date of Sampling : 15-11-2024		Packing / Seal : Sealed			
Sample Received Date : 16-11-2024		Protocol / Purpose : Stack Gas Analysis			
Date of Starting of Test : 16-11-2024		Date of Completion : 18-11-2024			
Sampling Method : WW/ST/A		Sample ID : 1124/ST10905			
Duration Sampling : 60 min.		Fuel : Coal			
STACK DETAILS :					
Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr	
30	1.00	126	3.40	7030	
RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WW/ST/44-03

Note : BDL :- Below Detectable Limit


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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000010906F	Issue Date : 21-11-2024
ULR No : TC588524000010906F	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to DG 750 KVA	Qty / Nos of Sample : 1 / 1 No.	
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Packing / Seal : Sealed	
Date of Sampling : 15-11-2024	Protocol / Purpose : Stack Gas Analysis	
Sample Received Date : 16-11-2024	Date of Completion : 18-11-2024	
Date of Starting of Test : 16-11-2024	Sample ID : 1124/ST10906	
Sampling Method : WI/ST/A	Fuel : Diesel	
Duration Sampling : 60 min.		

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
11	0.30	124	7.20	1351

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm ³	86.4	150	IS 11255 (Part-1):1985
3	Sulphur Dioxide (SO ₂)	ppm	57.2	100	IS 11255 (Part-2):1985
4	Oxides of Nitrogen (as NO ₂)	ppm	46.7	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/005154/24	Issue Date : 21-11-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to DG 750 KVA		
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 15-11-2024	Packing / Seal : Sealed	
Sample Received Date : 16-11-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-11-2024	Date of Completion : 18-11-2024	
Sampling Method : WI/ST/A	Sample ID : 1124/ST10906	
Duration Sampling : 60 min.	Fuel : Diesel	

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	124	7.20	1351

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	GC Method
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	GC Method
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm³	BDL(<1)	-	GC Method

Note : BDL = Below Detectable Limit

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000010907F	Issue Date : 21-11-2024
ULR No : TC588524000010907F	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to DG 625 KVA		
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 15-11-2024	Packing / Seal : Sealed	
Sample Received Date : 16-11-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-11-2024	Date of Completion : 18-11-2024	
Sampling Method : W/ST/A	Sample ID : 1124/ST10907	
Duration Sampling : 60 min.	Fuel : Diesel	

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
11	0.30	121	8.40	1558

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	3.40	-	SOP No.W/ST/10
2	Particulate Matter (PM)	mg/Nm ³	87.6	150	IS 11255 (Part-1):1985
3	Sulphur Dioxide (SO ₂)	ppm	50.2	100	IS 11255 (Part-2):1985
4	Oxides of Nitrogen (as NO ₂)	ppm	46.2	50	IS 11255 (Part-7):2005

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/005155/24	Issue Date : 21-11-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to DG 625 KVA		
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 15-11-2024	Packing / Seal : Sealed	
Sample Received Date : 16-11-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-11-2024	Date of Completion : 18-11-2024	
Sampling Method : WI/ST/A	Sample ID : 1124/ST10907	
Duration Sampling : 60 min.	Fuel : Diesel	

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.30	121	8.40	1588

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	GC Method
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	GC Method
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm³	BDL(<1)	-	GC Method

Note : BDL - Below Detectable Limit

SOP No.-WI/ST/44-03

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC58852400009703F	Issue Date : 17-10-2024
ULR No : TC58852400009703F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.)

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Boiler -13 TPH

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 10-10-2024

Packing / Seal : Sealed

Sample Received Date : 11-10-2024

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 11-10-2024

Date of Completion : 12-10-2024

Sampling Method : WI/ST/A

Sample ID : 1024/ST09703

Duration Sampling : 60 min.

Fuel : Coal

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	30	-	-
2	Stack Diameter	m	1.00	-	-
3	Stack Temperature	°C	130	-	IS 11255 (Part-3):2021
4	Velocity	m/s	3.70	-	IS 11255 (Part-3):2021
5	Flow Rate	Nm³/hr	7526	-	IS 11255 (Part-3):2008
6	Oxygen (as O₂)	%	7.30	-	SOP No.WI/ST/10
7	Carbon Dioxide (as CO₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
8	CO	%	0.027	-	SOP No.WI/ST/10
9	Particulate Matter (PM)	mg/Nm³	80.3	150	IS 11255 (Part-1):1985
10	Sulphur Dioxide (SO₂)	ppm	36.9	100	IS 11255 (Part-2):1985
11	Oxides of Nitrogen (as NO₂)	ppm	31.4	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/004917/24	Issue Date : 17-10-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.)

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample : Stack attached to Boiler -13 TPH

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 10-10-2024

Packing / Seal : Sealed

Sample Received Date : 11-10-2024

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 11-10-2024

Date of Completion : 12-10-2024

Sampling Method : WI/ST/A

Sample ID : 1024/ST09703

Duration Sampling : 60 min.

Fuel : Coal

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000009704F	Issue Date : 17-10-2024
ULR No : TC588524000009704F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.)

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to DG 750 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Date of Sampling : 10-10-2024

Sample Received Date : 11-10-2024

Date of Starting of Test : 11-10-2024

Sampling Method : WI/ST/A

Duration Sampling : 60 min.

Qty / Nos of Sample : 1 / 1 No.

Packing / Seal : Sealed

Protocol / Purpose : Stack Gas Analysis

Date of Completion : 12-10-2024

Sample ID : 1024/ST09704

Fuel : Diesel

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	11	-	-
2	Stack Diameter	m	0.30	-	-
3	Stack Temperature	°C	134	-	IS 11255 (Part-3):2021
4	Velocity	m/s	8.00	-	IS 11255 (Part-3):2021
5	Flow Rate	Nm³/hr	1418	-	IS 11255 (Part-3):2008
6	Carbon Dioxide (as CO₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
7	Particulate Matter (PM)	mg/Nm³	82.9	150	IS 11255 (Part-1):1985
8	Sulphur Dioxide (SO₂)	ppm	45.2	100	IS 11255 (Part-2):1985
9	Oxides of Nitrogen (as NO₂)	ppm	52.8	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/004735/24	Issue Date : 17-10-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.)

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample : Stack attached to DG 750 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Date of Sampling : 10-10-2024

Sample Received Date : 11-10-2024

Date of Starting of Test : 11-10-2024

Sampling Method : WI/ST/A

Duration Sampling : 60 min.

Qty / Nos of Sample : 1 / 1 No.

Packing / Seal : Sealed

Protocol / Purpose : Stack Gas Analysis

Date of Completion : 12-10-2024

Sample ID : 1024/ST09704

Fuel : Diesel

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	GC Method
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	GC Method
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000009705F	Issue Date : 17-10-2024
ULR No : TC588524000009705F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample : Stack attached to DG 625 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Date of Sampling : 10-10-2024

Sample Received Date : 11-10-2024

Date of Starting of Test : 11-10-2024

Sampling Method : WI/ST/A

Duration Sampling : 60 min.

Qty / Nos of Sample : 1 / 1 No.

Packing / Seal : Sealed

Protocol / Purpose : Stack Gas Analysis

Date of Completion : 12-10-2024

Sample ID : 1024/ST09705

Fuel : Diesel

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	11	-	-
2	Stack Diameter	m	0.30	-	-
3	Stack Temperature	°C	115	-	-
4	Velocity	m/s	7.40	-	IS 11255 (Part-3):2021
5	Flow Rate	Nm³/hr	1412	-	IS 11255 (Part-3):2021
6	Carbon Dioxide (as CO₂)	%	3.00	-	IS 11255 (Part-3):2008
7	Particulate Matter (PM)	mg/Nm³	84.2	150	SOP No.WI/ST/10
8	Sulphur Dioxide (SO₂)	ppm	45.7	100	IS 11255 (Part-1):1985
9	Oxides of Nitrogen (as NO₂)	ppm	52.1	50	IS 11255 (Part-2):1985
					IS 11255 (Part-7):2005

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/004918/24	Issue Date : 17-10-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.)

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample : Stack attached to DG 625 KVA

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 10-10-2024

Packing / Seal : Sealed

Sample Received Date : 11-10-2024

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 11-10-2024

Date of Completion : 12-10-2024

Sampling Method : WI/ST/A

Sample ID : 1024/ST09705

Duration Sampling : 60 min.

Fuel : Diesel

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Methane (as CH ₄)	%	BDL(<0.1)	-	GC Method
2	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
3	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
4	Hydrocarbons	ppm	BDL(<10)	-	GC Method
5	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method
6	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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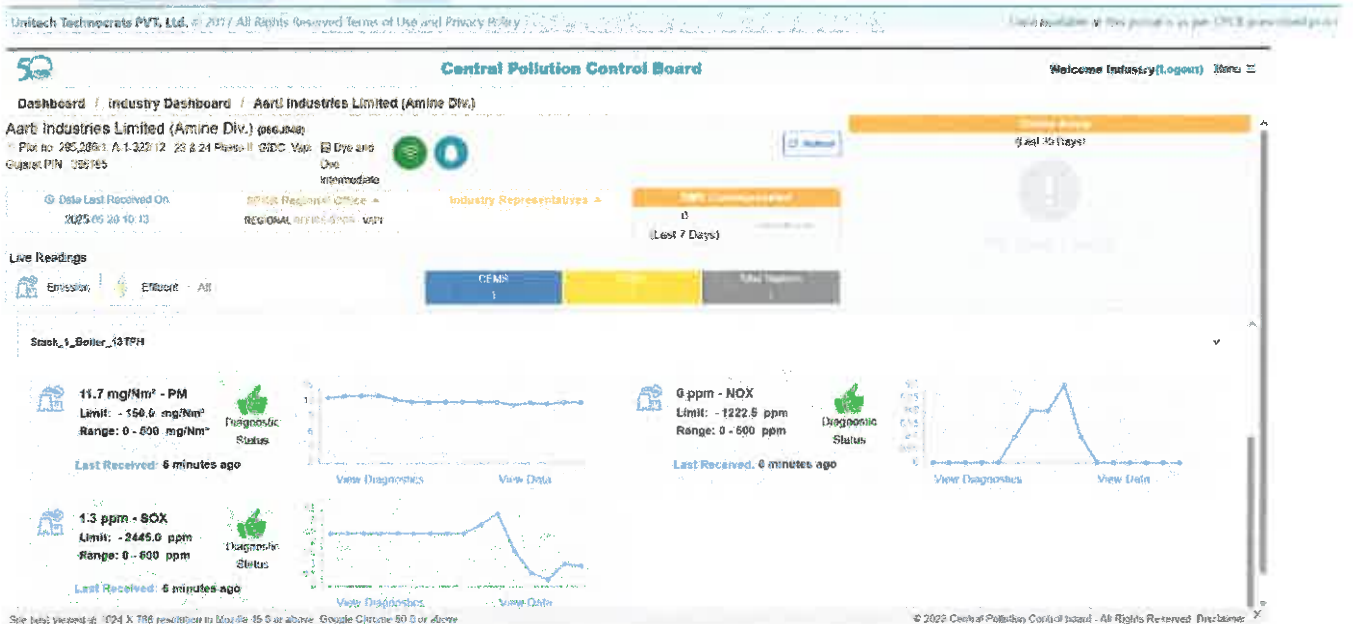
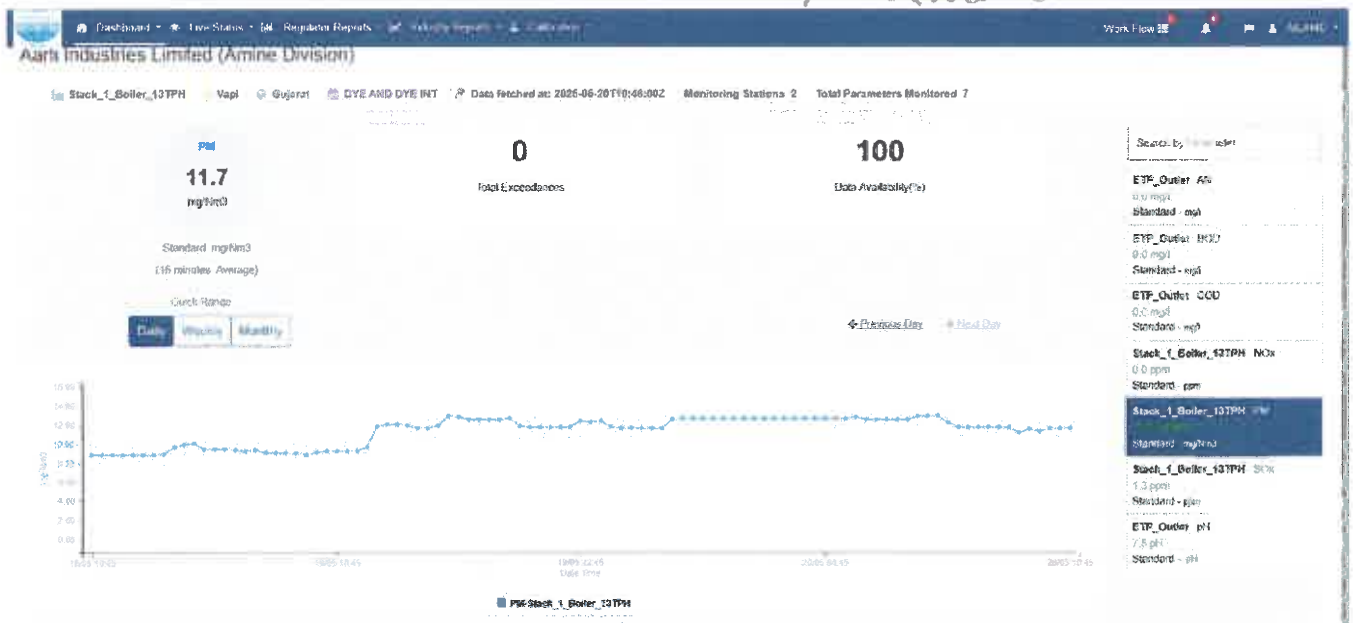
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*** End of Report ***

Page 1 of 1

Annexure 3



Test Report

Format No : QR/7.8/01	Test Report No : TC588525000002461F	Issue Date : 18-03-2025			
ULR No : TC588525000002461F	Discipline : Chemical	Group : Atmospheric Pollution			
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195. Dist. - Valsad.					
Description of Sample : Stack attached to Autoclave Reactor & ONA day tank					
Sampling By : ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample : 1 / 1 No.				
Date of Sampling : 10-03-2025	Packing / Seal : Sealed				
Sample Received Date : 11-03-2025	Protocol / Purpose : Stack Gas Analysis				
Date of Starting of Test : 11-03-2025	Date of Completion : 13-03-2025				
Sampling Method : WI/ST/A	Sample ID : 0325/ST02461				
Duration Sampling : 60 min.	Fuel :				
STACK DETAILS :					
Stack Height m	Stack Diameter m	Stack Temperature °C			
11	0.20	67			
	Velocity m/s	Flow Rate Nm³/hr			
	1.60	148			
RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Ammonia (as NH ₃)	mg/Nm³	138.9	175	IS 11255 (Part-6):1999 Clause 5

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

CHECKED BY
Sweety Patel (Dy.TM)

REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000334/25-	Issue Date : 18-03-2025			
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution			
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.					
Description of Sample : Stack attached to Autoclave Reactor & ONA day tank					
Sampling By : ENPRO Team-Mr Vihang Patel	Qty / Nos of Sample : 1 / 1 No.				
Date of Sampling : 10-03-2025	Packing / Seal : Sealed				
Sample Received Date : 11-03-2025	Protocol / Purpose : Stack Gas Analysis				
Date of Starting of Test : 11-03-2025	Date of Completion : 13-03-2025				
Sampling Method : WI/ST/A	Sample ID : 0325/ST02461				
Duration Sampling : 60 min.	Fuel : -				
STACK DETAILS :					
Stack Height m	Stack Diameter m	Stack Temperature °C			
11	0.20	57			
	Velocity m/s	Flow Rate Nm³/hr			
	1.50	148			
RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit


CHECKED BY
Sweety Patel (Dy.TM)

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000002462F	Issue Date : 18-03-2025			
ULR No : TC588525000002462F	Discipline : Chemical	Group : Atmospheric Pollution			
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.					
Description of Sample : Stack attached to Ammonia Recovery Scrubber					
Sampling By : ENPRO Team-Mr Vinang Patel	Qty / Nos of Sample : 1 / 1 No.				
Date of Sampling : 10-03-2025	Packing / Seal : Sealed				
Sample Received Date : 11-03-2025	Protocol / Purpose : Stack Gas Analysis				
Date of Starting of Test : 11-03-2025	Date of Completion : 13-03-2025				
Sampling Method : WI/ST/A	Sample ID : 0325/ST02462				
Duration Sampling : 60 min.	Fuel : -				
STACK DETAILS :					
Stack Height m 11	Stack Diameter m 0.20	Stack Temperature °C 47			
	Velocity m/s 0.80	Flow Rate Nm³/hr 54			
RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Ammonia (as NH ₃)	mg/Nm³	134.9	175	IS 11255 (Part-5):1999 Clause 5


CHECKED BY
Sweety Patel (Dy.TM)

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


REVIEWED AND AUTHORISED BY
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*** End of Report ***

Page 1 of 1

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hapwala Industrial Estate, Gate No. 3,
Sachin Palsana Road, Sachin, Surat - 394 230, Gujarat, INDIA
Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : QR/7.8/01	Test Report No : ETL/001542/25-	Issue Date : 18-03-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.			
Description of Sample	: Stack attached to Ammonia Recovery Scrubber		
Sampling By	: ENPRO Team-Mr Vihang Patel	Qty / Nos of Sample	: 1 / 1 No.
Date of Sampling	: 10-03-2025	Packing / Seal	: Sealed
Sample Received Date	: 11-03-2025	Protocol / Purpose	: Stack Gas Analysis
Date of Starting of Test	: 11-03-2025	Date of Completion	: 13-03-2025
Sampling Method	: WI/ST/A	Sample ID	: 0325/ST02462
Duration Sampling	: 60 min.	Fuel	: -

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.20	47	0.80	84

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC58852500002463F	Issue Date : 18-03-2025			
ULR No : TC58852500002463F	Discipline : Chemical	Group : Atmospheric Pollution			
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.					
Description of Sample : Stack attached to SFD Dryer					
Sampling By : ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample : 1 / 1 No.				
Date of Sampling : 10-03-2025	Packing / Seal : Sealed				
Sample Received Date : 11-03-2025	Protocol / Purpose : Stack Gas Analysis				
Date of Starting of Test : 11-03-2025	Date of Completion : 13-03-2025				
Sampling Method : WI/ST/A	Sample ID : 0325/ST02463				
Duration Sampling : 60 min.	Fuel : -				
STACK DETAILS :					
Stack Height m 15	Stack Diameter m 0.30	Stack Temperature °C 53			
	Velocity m/s 3.10	Flow Rate Nm³/hr 1967			
RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	40.7	150	IS 11255 (Part-1):1985

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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*** End of Report ***

Page 1 of 1

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,
Sachin- Palsana Road, Sachin, Surat - 394 230 Gujarat, INDIA.
Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : QR/7.8/01	Test Report No : ETL/001565/25-	Issue Date : 18-03-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to SFD Dryer		
Sampling By : ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 10-03-2025	Packing / Seal : Sealed	
Sample Received Date : 11-03-2025	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 11-03-2025	Date of Completion : 13-03-2025	
Sampling Method : WI/ST/A	Sample ID : 0325/ST02463	
Duration Sampling : 60 min.	Fuel : -	
STACK DETAILS :		
Stack Height m	Stack Diameter m	Stack Temperature °C
15	0.30	53
	Velocity m/s	Flow Rate Nm³/hr
	3.10	1967

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	1.60	-	SOP No.-WI/ST/44-03
2	Methane (as CH₄)	%	BDL(<0.1)	-	USEPA Method - 18
3	Nitrous Oxide (N₂O)	ppm	BDL(<2.1)	-	GC Method
4	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
5	Hydrofluorocarbons	ppm	BDL(<10)	-	GC Method
6	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method

Note : BDL > Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/001621/25-	Issue Date : 18-03-2025			
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution			
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.					
Description of Sample : Stack attached to HCl Unloading Scrubber					
Sampling By : ENPRO Team-Mr. Vihang Patel	Qty / Nos of Sample : 1 / 1 No.				
Date of Sampling : 10-03-2025	Packing / Seal : Sealed				
Sample Received Date : 11-03-2025	Protocol / Purpose : Stack Gas Analysis				
Date of Starting of Test : 11-03-2025	Date of Completion : 13-03-2025				
Sampling Method : WI/ST/A	Sample ID : ETL/001621/25-				
Duration Sampling : 60 min.	Fuel : -				
STACK DETAILS :					
Stack Height m	Stack Diameter m	Temperature °C			
11	0.10	37.00			
	Velocity m/s	Flow Rate Nm³/hr			
	1.80	50.00			
RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	HCl	mg/Nm³	5.40	20	USEPA (Part-0050)

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000001793F	Issue Date : 27-02-2025
ULR No : TC588525000001793F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Autoclave Reactor & ONA day tank

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 21-02-2025

Packing / Seal : Sealed

Sample Received Date : 22-02-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 22-02-2025

Date of Completion : 24-02-2025

Sampling Method : WI/ST/A

Sample ID : 0225/ST01793

Duration Sampling : 60 min.

Fuel : -

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.20	62	1.80	180

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Ammonia (as NH ₃)	mg/Nm³	131.7	175	IS 11255 (Part-6):1999 Clause 5

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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REVIEWED AND AUTHORISED BY

Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,

Sachin-Palsana Road, Sachin, Surat - 394 230, Gujarat, INDIA

Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000938/25-	Issue Date : 27-02-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Autoclave Reactor & ONA day tank

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 21-02-2025

Packing / Seal : Sealed

Sample Received Date : 22-02-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 22-02-2025

Date of Completion : 24-02-2025

Sampling Method : WI/ST/A

Sample ID : 0225/ST01793

Duration Sampling : 60 min.

Fuel : -

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.20	62	1.80	180

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)



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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000001794F	Issue Date : 27-02-2025
ULR No : TC588525000001794F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amlne Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Ammonia Recovery Scrubber

Sampling By	: ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample	: 1 / 1 No.
Date of Sampling	: 21-02-2025	Packing / Seal	: Sealed
Sample Received Date	: 22-02-2025	Protocol / Purpose	: Stack Gas Analysis
Date of Starting of Test	: 22-02-2025	Date of Completion	: 24-02-2025
Sampling Method	: WI/ST/A	Sample ID	: 0225/ST01794
Duration Sampling	: 60 min.	Fuel	: -

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.20	51	0.80	83

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Ammonia (as NH ₃)	mg/Nm³	129.1	175	IS 11255 (Part-6):1999 Clause 5

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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Sweety Patel (Dy.TM)

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*** End of Report ***

Page 1 of 1

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,
Sachin-Palsana Road, Sachin, Surat - 394 230 Gujarat, INDIA
Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000939/25-	Issue Date : 27-02-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Ammonia Recovery Scrubber

Sampling By	: ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample	: 1 / 1 No.
Date of Sampling	: 21-02-2025	Packing / Seal	: Sealed
Sample Received Date	: 22-02-2025	Protocol / Purpose	: Stack Gas Analysis
Date of Starting of Test	: 22-02-2025	Date of Completion	: 24-02-2025
Sampling Method	: WI/ST/A	Sample ID	: 0225/ST01794
Duration Sampling	: 60 min.	Fuel	: -

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.20	51	0.80	83

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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REVIEWED AND AUTHORISED BY
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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000001795F	Issue Date : 27-02-2025
ULR No : TC588525000001795F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to SFD Dryer

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 21-02-2025

Packing / Seal : Sealed

Sample Received Date : 22-02-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 22-02-2025

Date of Completion : 24-02-2025

Sampling Method : WI/ST/A

Sample ID : 0225/ST01795

Duration Sampling : 60 min.

Fuel :

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
15	0.50	48	2.70	1745

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)		SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	38.3	150	IS 11255 (Part-1):1985

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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Sweety Patel (Dy.TM)

REVIEWED AND AUTHORISED BY

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*** End of Report ***

Page 1 of 1

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,

Sachin-Palsana Road, Sachin, Surat - 394 230 Gujarat, INDIA

Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000187/25-	Issue Date : 27-02-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample	: Stack attached to SFD Dryer				
Sampling By	: ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample	: 1 / 1 No.		
Date of Sampling	: 21-02-2025	Packing / Seal	: Sealed		
Sample Received Date	: 22-02-2025	Protocol / Purpose	: Stack Gas Analysis		
Date of Starting of Test	: 22-02-2025	Date of Completion	: 24-02-2025		
Sampling Method	: WI/ST/A	Sample ID	: 0225/ST01795		
Duration Sampling	: 60 min.	Fuel	: -		

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
15	0.50	48	2.70	1745

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03
2	Methane (as CH ₄)	%	BDL(<0.1)	-	USEPA Method - 18
3	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
4	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
5	Hydrofluorocarbons	ppm	BDL(<10)	-	GC Method
6	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

(Signature)

CHECKED BY

Sweety Patel (Dy. TM)

REVIEWED AND AUTHORISED BY

Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000000571F	Issue Date : 24-01-2025
ULR No : TC588525000000571F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Autoclave Reactor & ONA day tank

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 17-01-2025

Packing / Seal : Sealed

Sample Received Date : 18-01-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 18-01-2025

Date of Completion : 20-01-2025

Sampling Method : WI/ST/A

Sample ID : 0125/ST00571

Duration Sampling : 60 min.

Fuel : -

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
11	0.20	59	1.40	142

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Ammonia (as NH ₃)	mg/Nm ³	148.0	175	IS 11255 (Part-6):1999 Clause 5

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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Sweety Patel (Dy.TM)


REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000216/25-	Issue Date : 24-01-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.		
Description of Sample	: Stack attached to Autoclave Reactor & ONA day tank	
Sampling By	: ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample : 1 / 1 No.
Date of Sampling	: 17-01-2025	Packing / Seal : Sealed
Sample Received Date	: 18-01-2025	Protocol / Purpose : Stack Gas Analysis
Date of Starting of Test	: 18-01-2025	Date of Completion : 20-01-2025
Sampling Method	: WI/ST/A	Sample ID : 0125/ST00571
Duration Sampling	: 60 min.	Fuel : -

STACK DETAILS :				
Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.20	59	1.40	142

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588525000000572F	Issue Date : 24-01-2025
ULR No : TC588525000000572F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.		
Description of Sample : Stack attached to Ammonia Recovery Scrubber		
Sampling By : ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 17-01-2025	Packing / Seal : Sealed	
Sample Received Date : 18-01-2025	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 18-01-2025	Date of Completion : 20-01-2025	
Sampling Method : WI/ST/A	Sample ID : 0125/ST00572	
Duration Sampling : 60 min.	Fuel : -	

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.20	45	0.60	64

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Ammonia (as NH ₃)	mg/Nm³	132.0	175	IS 11255 (Part-6):1999 Clause 5

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


CHECKED BY
Sweety Patel (Dy.TM)


REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

Note 1 : This Report is subject to terms & conditions mentioned overleaf.

Note 2 : Details about MU and Decision Rules are available with laboratory and same will be provided upon request.

*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000217/25-	Issue Date : 24-01-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample : Stack attached to Ammonia Recovery Scrubber

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 17-01-2025

Packing / Seal : Sealed

Sample Received Date : 18-01-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 18-01-2025

Date of Completion : 20-01-2025

Sampling Method : WI/ST/A

Sample ID : 0125/ST00572

Duration Sampling : 60 min.

Fuel : -

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm ³ /hr
11	0.20	45	0.60	64

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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Sweety Patel (Dy.TM)

REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC58852500000573F	Issue Date : 24-01-2025
ULR No : TC58852500000573F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to SFD Dryer

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 17-01-2025

Packing / Seal : Sealed

Sample Received Date : 18-01-2025

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 18-01-2025

Date of Completion : 20-01-2025

Sampling Method : WI/ST/A

Sample ID : 0125/ST00573

Duration Sampling : 60 min.

Fuel : -

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
15	0.50	51	3.30	2129

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	41.2	150	IS 11255 (Part-1):1985

Note : BDL :- Below Detectable Limit

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000224/25-	Issue Date : 24-01-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to SFD Dryer

Sampling By : ENPRO Team-Mr.Vihang Patel

Date of Sampling : 17-01-2025

Sample Received Date : 18-01-2025

Date of Starting of Test : 18-01-2025

Sampling Method : WI/ST/A

Duration Sampling : 60 min.

Qty / Nos of Sample : 1 / 1 No.

Packing / Seal : Sealed

Protocol / Purpose : Stack Gas Analysis

Date of Completion : 20-01-2025

Sample ID : 0125/ST00573

Fuel : -

STACK DETAILS :

Stack Height m	Stack Diameter m	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
15	0.50	51	3.30	2129

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	1.90	-	SOP No.-WI/ST/44-03
2	Methane (as CH₄)	%	BDL(<0.1)	-	GC Method
3	Nitrous Oxide (N₂O)	ppm	BDL(<2.1)	-	GC Method
4	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
5	Hydrofluorocarbons	ppm	BDL(<10)	-	GC Method
6	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000218/25-	Issue Date : 24-01-2025
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**
Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample	: Stack attached to HCl Unloading Scrubber		
Sampling By	: ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample	: 1 / 1 No.
Date of Sampling	: 17-01-2025	Packing / Seal	: Sealed
Sample Received Date	: 18-01-2025	Protocol / Purpose	: Stack Gas Analysis
Date of Starting of Test	: 18-01-2025	Date of Completion	: 20-01-2025
Sampling Method	: WI/ST/A	Sample ID	: ETL/000218/25-
Duration Sampling	: 60 min.	Fuel	: -

STACK DETAILS :

Stack Height m	Stack Diameter m	Temperature °C	Velocity m/s	Flow Rate Nm³/hr
11	0.10	30.00	1.10	31.00

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	HCl	mg/Nm³	3.90	20	USEPA (Part-0050)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000012298F	Issue Date : 21-12-2024
ULR No : TC588524000012298F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No -285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad

Description of Sample	Stack attached to Autoclave Reactor & ONA day tank	
Sampling By	ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No
Date of Sampling	14-12-2024	Packing / Seal : Sealed
Sample Received Date	16-12-2024	Protocol / Purpose : Stack Gas Analysis
Date of Starting of Test	16-12-2024	Date of Completion : 18-12-2024
Sampling Method	WI/ST/A	Sample ID : 1224/ST12298
Duration Sampling	60 min.	Fuel : -

STACK DETAILS :

Stack Height m	Stack Diameter	Stack Temperature	Velocity m/s	Flow Rate Nm ³ /hr
11	-	-	1.20	124

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Ammonia (as NH ₃)	mg/Nm ³	137.4	175	IS 11255 (Part-6):1999 Clause 5

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/005914/24	Issue Date : 21-12-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.		
Description of Sample : Stack attached to Autoclave Reactor & ONA day tank		
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample	: 1 / 1 No.
Date of Sampling : 14-12-2024	Packing / Seal	: Sealed
Sample Received Date : 16-12-2024	Protocol / Purpose	: Stack Gas Analysis
Date of Starting of Test : 16-12-2024	Date of Completion	: 18-12-2024
Sampling Method : WI/ST/A	Sample ID	: 1224/ST12298
Duration Sampling : 60 min.	Fuel	:

STACK DETAILS :

Stack Height m	Stack Diameter	Stack Temperature	Velocity m/s	Flow Rate Nm ³ /hr
11	-	-	1.20	124

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)		SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000012299F	Issue Date : 21-12-2024
ULR No : TC588524000012299F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Ammonia Recovery Scrubber

Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 14-12-2024

Packing / Seal : Sealed

Sample Received Date : 16-12-2024

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 16-12-2024

Date of Completion : 18-12-2024

Sampling Method : WI/ST/A

Sample ID : 1224/ST12299

Duration Sampling : 60 min.

Fuel : -

STACK DETAILS :

Stack Height m	Stack Diameter	Stack Temperature	Velocity m/s	Flow Rate Nm ³ /hr
11	-	-	0.90	94

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Ammonia (as NH ₃)	mg/Nm ³	126.5	175	IS 11255 (Part-6):1999 Clause 5

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*** End of Report ***

Test Report

Format No : QR/7.8/01	Test Report No : ETL/006155/24	Issue Date : 21-12-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample : Stack attached to Ammonia Recovery Scrubber

Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 14-12-2024

Packing / Seal : Sealed

Sample Received Date : 16-12-2024

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 16-12-2024

Date of Completion : 18-12-2024

Sampling Method : WI/ST/A

Sample ID : 1224/ST12299

Duration Sampling : 60 min.

Fuel :

STACK DETAILS :

Stack Height m	Stack Diameter	Stack Temperature	Velocity m/s	Flow Rate Nm ³ /hr
11	-	-	0.90	94

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)	-	SOP No -WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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Chintan Desai (TM)

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*** End of Report ***

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000012300F	Issue Date : 21-12-2024
ULR No : TC588524000012300F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist - Valsad		
Description of Sample : Stack attached to SFD Dryer		
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 14-12-2024	Packing / Seal : Sealed	
Sample Received Date : 16-12-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-12-2024	Date of Completion : 18-12-2024	
Sampling Method : WI/ST/A	Sample ID : 1224/ST12300	
Duration Sampling : 60 min.	Fuel : -	

STACK DETAILS :

Stack Height m	Stack Diameter	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
15	-	41	2.80	1854

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	34.3	150	IS 11255 (Part-1):1985

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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*** End of Report ***

Test Report

Format No : QR/7.8/01	Test Report No : ETL/005915/24	Issue Date : 21-12-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195. Dist. – Valsad		
Description of Sample : Stack attached to SFD Dryer		
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 14-12-2024	Packing / Seal : Sealed	
Sample Received Date : 16-12-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-12-2024	Date of Completion : 18-12-2024	
Sampling Method : WI/ST/A	Sample ID : 1224/ST12300	
Duration Sampling : 60 min.	Fuel :	

STACK DETAILS :

Stack Height m	Stack Diameter	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
15		41	2.80	1854

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	1.40	-	SOP No.-WI/ST/44-03
2	Methane (as CH₄)	%	BDL(<0.1)	-	GC Method
3	Nitrous Oxide (N₂O)	ppm	BDL(<2.1)	-	GC Method
4	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
5	Hydrofluorocarbons	ppm	BDL(<10)	-	GC Method
6	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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*** End of Report ***

Test Report

Format No : QR/7.8/01	Test Report No : ETL/006156/24	Issue Date : 21-12-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad		
Description of Sample : Stack attached to HCl Unloading Scrubber	Qty / Nos of Sample : 1 / 1 No.	
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Packing / Seal : Sealed	
Date of Sampling : 14-12-2024	Protocol / Purpose : Stack Gas Analysis	
Sample Received Date : 16-12-2024	Date of Completion : 18-12-2024	
Date of Starting of Test : 16-12-2024	Sample ID : ETL/006156/24	
Sampling Method : WI/ST/A	Fuel : -	
Duration Sampling : 60 min.		

STACK DETAILS :

Stack Height	Stack Diameter	Stack Temperature	Velocity	Flow Rate

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	HCl	mg/Nm ³	4.30	20	USEPA (Part-0050)

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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*** End of Report ***

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000010908F	Issue Date : 21-11-2024			
ULR No : TC588524000010908F	Discipline : Chemical	Group : Atmospheric Pollution			
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.					
Description of Sample : Stack attached to Autoclave Reactor & ONA day tank					
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.				
Date of Sampling : 15-11-2024	Packing / Seal : Sealed				
Sample Received Date : 16-11-2024	Protocol / Purpose : Stack Gas Analysis				
Date of Starting of Test : 16-11-2024	Date of Completion : 18-11-2024				
Sampling Method : WV/ST/A	Sample ID : 1124/ST10908				
Duration Sampling : 60 min.	Fuel : -				
STACK DETAILS :					
Stack Height m 11	Stack Diameter -	Stack Temperature -			
	Velocity m/s 1.50	Flow Rate Nm ³ /hr 151			
RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Ammonia (as NH ₃)	mg/Nm ³	157.9	175	IS 11255 (Part-6):1999 Clause 5

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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REVIEWED AND AUTHORISED BY
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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.3/01	Test Report No : ETL/005156/24	Issue Date : 21-11-2024			
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution			
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.					
Description of Sample : Stack attached to Autoclave Reactor & ONA day tank					
Sampling By : ENPRO Team-Mr.Nikunj Veghasiya	Qty / Nos of Sample : 1 / 1 No.				
Date of Sampling : 15-11-2024	Packing / Seal : Sealed				
Sample Received Date : 16-11-2024	Protocol / Purpose : Stack Gas Analysis				
Date of Starting of Test : 16-11-2024	Date of Completion : 18-11-2024				
Sampling Method : WI/ST/A	Sample ID : 1124/ST10908				
Duration Sampling : 60 min.	Fuel : -				
STACK DETAILS :					
Stack Height m 11	Stack Diameter -	Stack Temperature -			
	Velocity m/s 1.50	Flow Rate Nm ³ /hr 151			
RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

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Chintan Desai (TM)

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Page 1 of 1



ENPRO Enviro Tech and Engineers Pvt. Ltd.

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,
Sachin-Palsana Road, Sachin, Surat - 394 230, Gujarat, INDIA.
Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in



TC - 5885

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000010909F	Issue Date : 21-11-2024			
ULR No : TC588524000010909F	Discipline : Chemical	Group : Atmospheric Pollution			
Customer's Name & Address : Aarti Industries Ltd. (Amlne Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.					
Description of Sample : Stack attached to Ammonia Recovery Scrubber					
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.				
Date of Sampling : 15-11-2024	Packing / Seal : Sealed				
Sample Received Date : 16-11-2024	Protocol / Purpose : Stack Gas Analysis				
Date of Starting of Test : 16-11-2024	Date of Completion : 18-11-2024				
Sampling Method : W/ST/A	Sample ID : 1124/ST10909				
Duration Sampling : 60 min.	Fuel : -				
STACK DETAILS :					
Stack Height m 11	Stack Diameter -	Stack Temperature -	Velocity m/s 0.70	Flow Rate Nm ³ /hr 73	
RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Ammonia (as NH ₃)	mg/Nm ³	138.1	175	IS 11255 (Part-6):1999 Clause 5

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REVIEWED AND AUTHORISED BY
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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/005398/24	Issue Date : 21-11-2024			
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution			
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist - Valsad.					
Description of Sample : Stack attached to Ammonia Recovery Scrubber					
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.				
Date of Sampling : 15-11-2024	Packing / Seal : Sealed				
Sample Received Date : 16-11-2024	Protocol / Purpose : Stack Gas Analysis				
Date of Starting of Test : 16-11-2024	Date of Completion : 18-11-2024				
Sampling Method : WI/ST/A	Sample ID : 1124/ST10909				
Duration Sampling : 60 min.	Fuel : -				
STACK DETAILS :					
Stack Height m 11	Stack Diameter -	Stack Temperature -			
	Velocity m/s 0.70	Flow Rate Nm ³ /hr 73			
RESULT TABLE					
S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


CHECKED BY
Sweety Patel (Dy.TM)


REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

Note 1 : This Report is subject to terms & conditions mentioned overleaf.
Note 2 : Details about MU and Decision Rules are available with laboratory and same will be provided upon request.
*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000010910F	Issue Date : 21-11-2024
ULR No : TC588524000010910F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad		
Description of Sample	: Stack attached to SFD Dryer	
Sampling By	: ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.
Date of Sampling	: 15-11-2024	Packing / Seal : Sealed
Sample Received Date	: 16-11-2024	Protocol / Purpose : Stack Gas Analysis
Date of Starting of Test	: 16-11-2024	Date of Completion : 18-11-2024
Sampling Method	: WI/ST/A	Sample ID : 1124/ST10910
Duration Sampling	: 60 min.	Fuel : -

STACK DETAILS :				
Stack Height m	Stack Diameter	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
15	-	46	3.10	2024

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Carbon Dioxide (as CO ₂)	%	BDL(<0.1)	-	SOP No.WI/ST/10
2	Particulate Matter (PM)	mg/Nm³	39.7	150	IS 11255 (Part-1) 1985

Note : BDL :- Below Detectable Limit

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/005400/24	Issue Date : 21-11-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to SFD Dryer		
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 15-11-2024	Packing / Seal : Sealed	
Sample Received Date : 18-11-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 18-11-2024	Date of Completion : 18-11-2024	
Sampling Method : WI/ST/A	Sample ID : 1124/ST10910	
Duration Sampling : 60 min.	Fuel : -	

STACK DETAILS :

Stack Height m	Stack Diameter	Stack Temperature °C	Velocity m/s	Flow Rate Nm³/hr
15	-	46	3.10	2024

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm³	1.80	-	SOP No.-WI/ST/44-03
2	Methane (as CH₄)	%	BDL(<0.1)	-	GC Method
3	Nitrous Oxide (N₂O)	ppm	BDL(<2.1)	-	GC Method
4	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
5	Hydrofluorocarbons	ppm	BDL(<10)	-	GC Method
6	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method

Note : BDL :- Below Detectable Limit

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/005157/24	Issue Date : 21-11-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad		
Description of Sample : Stack attached to HCl Unloading Scrubber		
Sampling By : ENPRO Team-Mr.Nikunj Vaghasiya	Qty / Nos of Sample : 1 / 1 No	
Date of Sampling : 15-11-2024	Packing / Seal : Sealed	
Sample Received Date : 16-11-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-11-2024	Date of Completion : 18-11-2024	
Sampling Method : W/ST/A	Sample ID : ETL/005157/24	
Duration Sampling : 60 min	Fuel : -	

STACK DETAILS :

Stack Height	Stack Diameter	Stack Temperature	Velocity	Flow Rate

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	HCl	mg/Nm ³	3.50	20	USEPA (Part-0050)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000009706F	Issue Date : 17-10-2024
ULR No : TC588524000009706F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.		
Description of Sample	: Stack attached to Autoclave Reactor & ONA day tank	
Sampling By	: ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample : 1 / 1 No.
Date of Sampling	: 10-10-2024	Packing / Seal : Sealed
Sample Received Date	: 11-10-2024	Protocol / Purpose : Stack Gas Analysis
Date of Starting of Test	: 11-10-2024	Date of Completion : 12-10-2024
Sampling Method	: WI/ST/A	Sample ID : 1024/ST09706
Duration Sampling	: 60 min.	Fuel :-

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	11	-	-
2	Velocity	m/s	1.20	-	IS 11255 (Part-3):2021
3	Flow Rate	Nm ³ /hr	122	-	IS 11255 (Part-3):2008
4	Ammonia (as NH ₃)	mg/Nm ³	150.2	175	IS 11255 (Part-6):1999 Clause 5

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/000971/24	Issue Date : 17-10-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample : Stack attached to Autoclave Reactor & ONA day tank

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 10-10-2024

Packing / Seal : Sealed

Sample Received Date : 11-10-2024

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 11-10-2024

Date of Completion : 12-10-2024

Sampling Method : WI/ST/A

Sample ID : 1024/ST09706

Duration Sampling : 60 min.

Fuel : -

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)



CHECKED BY

Sweety Patel (Dy.TM)



REVIEWED AND AUTHORISED BY

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC588524000009707F	Issue Date : 17-10-2024
ULR No : TC588524000009707F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.)

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample : Stack attached to Ammonia Recovery Scrubber

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 10-10-2024

Packing / Seal : Sealed

Sample Received Date : 11-10-2024

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 11-10-2024

Date of Completion : 12-10-2024

Sampling Method : WI/ST/A

Sample ID : 1024/ST09707

Duration Sampling : 60 min.

Fuel : -

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	11	-	-
2	Velocity	m/s	0.80	-	IS 11255 (Part-3):2021
3	Flow Rate	Nm ³ /hr	83	-	IS 11255 (Part-3):2008
4	Ammonia (as NH ₃)	mg/Nm ³	140.4	175	IS 11255 (Part-6):1999 Clause 5

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/004736/24	Issue Date : 17-10-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Sample : Stack attached to Ammonia Recovery Scrubber

Sampling By : ENPRO Team-Mr.Vihang Patel

Qty / Nos of Sample : 1 / 1 No.

Date of Sampling : 10-10-2024

Packing / Seal : Sealed

Sample Received Date : 11-10-2024

Protocol / Purpose : Stack Gas Analysis

Date of Starting of Test : 11-10-2024

Date of Completion : 12-10-2024

Sampling Method : WI/ST/A

Sample ID : 1024/ST09707

Duration Sampling : 60 min.

Fuel : -

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03

Note : BDL :- Below Detectable Limit

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Sweety Patel (Dy.TM)



REVIEWED AND AUTHORISED BY

Chintan Desai (TM)

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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : TC58852400009708F	Issue Date : 17-10-2024
ULR No : TC58852400009708F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Sample : Stack attached to SFD Dryer

Sampling By : ENPRO Team-Mr.Vihang Patel

Date of Sampling : 10-10-2024

Sample Received Date : 11-10-2024

Date of Starting of Test : 11-10-2024

Sampling Method : WI/ST/A

Duration Sampling : 60 min.

Qty / Nos of Sample : 1 / 1 No.

Packing / Seal : Sealed

Protocol / Purpose : Stack Gas Analysis

Date of Completion : 12-10-2024

Sample ID : 1024/ST09708

Fuel : -

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	15	-	-
2	Stack Temperature	°C	49	-	-
3	Velocity	m/s	3.40	-	IS 11255 (Part-3):2021
4	Flow Rate	Nm³/hr	2166	-	IS 11255 (Part-3):2021
5	Carbon Dioxide (as CO₂)	%	HTAR(>15)	-	IS 11255 (Part-3):2008
6	Particulate Matter (PM)	mg/Nm³	45.4	150	SOP No.WI/ST/10 IS 11255 (Part-1):1985

Note : HTAR :- Higher Than Accreditation Range

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/004919/24	Issue Date : 17-10-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.		
Description of Sample : Stack attached to SFD Dryer		
Sampling By : ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 10-10-2024	Packing / Seal : Sealed	
Sample Received Date : 11-10-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 11-10-2024	Date of Completion : 12-10-2024	
Sampling Method : WI/ST/A	Sample ID : 1024/ST09708	
Duration Sampling : 60 min.	Fuel : -	

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	VOC	mg/Nm ³	BDL(<1)	-	SOP No.-WI/ST/44-03
2	Methane (as CH ₄)	%	BDL(<0.1)	-	GC Method
3	Nitrous Oxide (N ₂ O)	ppm	BDL(<2.1)	-	GC Method
4	Perfluorocarbons	ppm	BDL(<10)	-	GC Method
5	Hydrofluorocarbons	ppm	BDL(<10)	-	GC Method
6	Sulphur hexafluoride	ppm	BDL(<1)	-	GC Method

Note : BDL :- Below Detectable Limit

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Sweety Patel (Dy.TM)


REVIEWED AND AUTHORISED BY
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*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/01	Test Report No : ETL/004988/24	Issue Date : 17-10-2024
ULR No : N.A.	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.		
Description of Sample : Stack attached to HCl Unloading Scrubber		
Sampling By : ENPRO Team-Mr.Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 10-10-2024	Packing / Seal : Sealed	
Sample Received Date : 11-10-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 11-10-2024	Date of Completion : 12-10-2024	
Sampling Method : WI/ST/A	Sample ID : ETL/004988/24	
Duration Sampling : 60 min.	Fuel : -	

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	HCl	mg/Nm ³	4.10	20	USEPA (Part-0050)

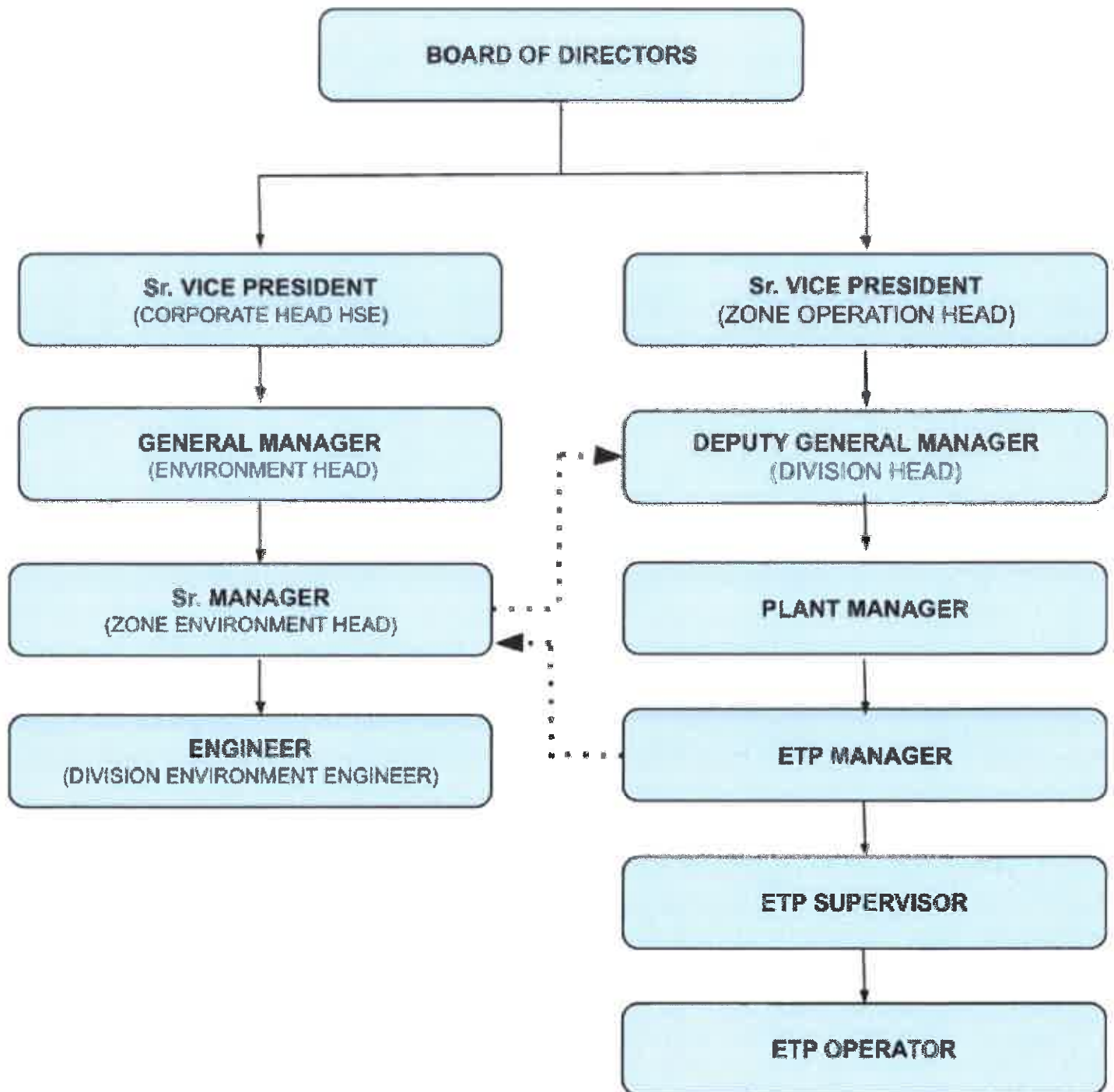
ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


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Sweety Patel (Dy.TM)


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Page 1 of 1



Annexure 8

AIL (AMINE DIVISION)		
LIST OF SAFETY EQUIPMENT AND SAFETY SYSTEM STATUS		
Sr. No.	Description	Amine, Vapi
1	Fire Water storage at Site (M3)	344
2	Main Electrical Pump-1 Capacity (M3/hr.)	137
3	Diesel Operated Pump Capacity (M3/hr.)	137
4	Jockey Pump-1 Capacity (M3/hr.)	10.8
5	Hydrant Ring Main line Size (in inches)	6
6	Are all pumps on AUTO (Yes/No)	Electrical & Jockey -Yes Diesel -No
7	Hydrant Points (Nos.)	15
8	Fixed Foam Monitors (Nos.)	5
9	Fire Jet Nozzles (Nos.)	8
10	Fire Fog nozzles (Nos.)	6
11	Maryur Water Curtains (Nos.)	2
12	Hose Boxes (Nos.)	13
13	Fire Hoses (Nos.)	26
14	Hose Reels with nozzles (Nos.)	5
15	Water Sprinklers on explosive storages (Nos.)	1
16	Smoke detectors in Plant (Zone 1& 2 area) (Nos.)	25
17	Smoke detectors in Administrative offices (Nos.)	4
18	Foam for hydrant (in Lit)	2000
19	Safety Showers with eye washes (Nos.)	14
20	Sand pits with loose and dry sand (Nos.)	1
21	Fire Blankets (Nos.)	1
22	Double harness adequate safety belts(Nos.)	10
23	Nylon ropes (Nos.)	2
24	Duck Ladders (sets.)	1
25	Nylon Nets (Nos.)	2
26	Safety Kits (containing PPEs.) in plants	3
27	CFS	1
28	Self Contained Breathing Apparatus Sets (Nos.)	6
29	Spare filled Cylinders for SCBA (Nos.)	6
30	DCP type Fire extinguishers (Nos.)	80
31	ABC type (stored pressure) fire extinguishers (Nos.)	25
32	Mechanical Foam fire extinguishers (Nos.)	4
33	CO2 type fire extinguishers (Nos.)	40
34	Cartridge Masks (Nos.)	18
35	Spare PVC Suits (sets)	10
36	Spare PVC gumboots (No. of Pairs)	10
37	Spare Safety Goggle (Nos.)	50

38	Spare PVC Hand gloves (pairs)	10
39	OHC (Yes / No)	Yes
40	First Aid Box & Nos.	10
41	Ambulance (Yes / No)	No
42	Emergency Siren (Nos.)	2
43	Manual emergency Siron (Nos.)	1
44	Nos. of First Aiders pershift	8
45	Nos. of Fire Fighter per shift.	8
46	Nos. of Emergency Team Members.	37
47	Emergency Control Centres (Yes / No)	Yes
48	Assembly Points (Nos.)	3
49	Wind Soks installed.(Nos.)	5
50	VOC meter.(Yes / No)	1
51	LEL Meter.(Yes / No)	2
52	Oxygen Meter .(Yes / No)	2
53	Ammonia Meter (NA / Yes / No)	2
54	H2S meter .(Yes / No)	2
55	Lux Meter (Yes / No)	1
56	Sound meter (Yes / No)	1
57	Rope Ladder for Vessel Entry (Yes / No / NA)	3


ATHHARV™
TOXSCREEN

Industrial Health & Toxic Chemicals Testing

Medical Examination Report | AARTI INDUSTRIES LTD Oct -2024

Employee Code : 55004908 Age : 52 Gender : Male
 Employee Name : Jayesh Patel
 Department : Amine & Nascent Operations
 Division : Amine
 Patient Code : 29198879 Date : 24 Oct 2024


Present Complaints : NIL

Family History : NIL

Past History : NIL

Personal History : NIL

Allergies To : NIL

Personal Habits

Smoking : Regular : No Alcohol : Regular : No Tobacco : Regular : No
 Occasional : No Occasional : No Occasional : No

Physical Examination
Eye Checkup
Other : -

Color Vision : -

Without Spects	Right	Left	With Spects	Right	Left
Near	-	-	Near	-	-
Dist.	-	-	Dist.	-	-

Height : 148.000 cm

Weight : 52.000 kg

BMI : 23.740

Pulse : 96 /min

BP : 120/70 mmHg

SPO2 : 98

Romberg's Test : ☒ Negative ☐ Positive

Trismus Test : ☒ Negative ☐ Positive

Cardio Vascular System
Heart Sound : S1 S2+

Murmurs : Not Heard

Respiratory System
Breath Sound :

Adventitious Sound : None

PA : Soft

Liver : Normal

Spleen : Not Palpable

CNS : NAD

Dental : NAD

Skin : Normal

Ear : NAD

Nose : NAD

Throat : NAD

MSK : NAD

Lab Findings
Hemoglobin : 15.2 g/dl

WBC count : 7570 /cumm

Platelet count : 2.23 Lacs/cumm

RBS : 124 mg/dl

Serum Creatinine : 1.1 mg/dl

Blood Urea : 28.66 mg/dl

SGPT : 26.85 IU/L

SGOT : 30.43 IU/L

Total Bilirubin : 0.7 mg/dl

* Physical reports of ECG, Audiometry, PFT, and Lab. investigation are separately attached. (if applicable)

(PT.O)

Dr. SAMRIT J. SHAH
 (M.D., D.M.R.E., C.I.H. PGD, M.L.S.)
 Regd. No.: 2012/02/0157



AVEXA HEALTHCARE

3rd floor, shraddha complex, above urmll hospital, near st bus depot, silvassa

Patient: JAYESH PATEL

Ref. By:

Pred.Eqns: RECORDERS

Date : 24-Oct-2024 04:08 PM

Age : 52 Years

Gender : Male

Height : 148 Cms

Smoker : No

Weight : 52 Kgs

Eth. Corr: 100

ID: 55004900

Temp :

16 F(Litres/Sec)

14

12

10

8

FEF25%

PEFR

FEF50%

FEF75%

FVC

V(Litres)

2 3 4 5 6 7 8

-4

-6

-8

-10

8

V(Litres)

7

PRE
POST

6

5

4

3

2

FEV1

FEV3

FEV6

FVC

1

0

1 2 3 4 5 6 7 8

T(Seconds)

150 FEV1 %Pred COPD SEVERITY

125 OBS NORM

100

75 MODERATE

50 SEVERE

25 VERY SEVERE RES

0

25 50 75 100 125 150

(FEV1/FVC) %Pred

150 FVC&Pred Interpretation

125 OBS NORM

100

75

50

25 MIXED RES

0

25 50 75 100 125 150

(FEV1/FVC) %Pred

Spirometry(FVC Results)

Parameter	Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC (L)	02.18	02.25	103	-----	----	----
FEV1 (L)	01.70	02.25	132	-----	----	----
FEV1/FVC (%)	77.98	100.00	128	-----	----	----
FEF25-75 (L/s)	02.98	03.86	130	-----	----	----
PEFR (L/s)	06.87	07.18	105	-----	----	----
FIVC (L)	-----	02.46	----	-----	----	----
FEV.5 (L)	-----	01.92	----	-----	----	----
FEV3 (L)	02.12	02.25	106	-----	----	----
PIFR (L/s)	-----	04.83	----	-----	----	----
FEF75-85 (L/s)	-----	01.71	----	-----	----	----
FEF.2-1.2 (L/s)	04.95	05.66	114	-----	----	----
FEF 25% (L/s)	06.87	06.85	100	-----	----	----
FEF 50% (L/s)	04.69	04.20	090	-----	----	----
FEF 75% (L/s)	01.92	02.12	110	-----	----	----
FEV.5/FVC (%)	-----	85.33	----	-----	----	----
FEV3/FVC (%)	97.25	100.00	103	-----	----	----
FET (Sec)	-----	00.89	----	-----	----	----
ExptTime (Sec)	-----	00.05	----	-----	----	----
Lung Age (Yrs)	052	035	067	-----	----	----
FEV6 (L)	02.18	-----	----	-----	----	----
FIF25% (L/s)	-----	04.77	----	-----	----	----
FIF50% (L/s)	-----	03.82	----	-----	----	----
FIF75% (L/s)	-----	02.00	----	-----	----	----

Pre Test COPD Severity

Test within normal limits

Pre Medication Report Indicates

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

Dr. SAMKIT J. SHAR
(M.D., D.M.R.E., C.I.H. PGD. M.L.S.)

Regd. No.: 2012/02/0157



TEST REPORT

Name : Mr. Jayesh Patel 29198879
Age/Sex : 52 Years / Male
Ref. By :
Client Name :
Employee ID : 55004908

Reg. No : 410103468
Reg. Date : 24-Oct-2024 05:43 PM
Collected On : 24-Oct-2024 05:49 PM
Printed On : 29-Oct-2024 04:40 PM
Department : Sr Asscte

Parameter	Results	Unit	Biological Ref. Interval
-----------	---------	------	--------------------------

COMPLETE BLOOD COUNT (CBC)

Hemoglobin (SLS method)	15.2	g/dL	13.0 - 18.0
Hematocrit (Electrical Impedance)	50.30	%	47 - 52
RBC Count (Electrical Impedance)	5.78	million/cmm	4.7 - 6.0
MCV (Calculated)	87.0	fL	78 - 110
MCH (Calculated)	L 26.3	Pg	27 - 31
MCHC (Calculated)	30.2	%	30 - 35
RDW (Calculated)	H 14.4	%	11.5 - 14.0
WBC Count (Flowcytometry)	7570	/cmm	4000 - 10500
Platelet Count	223000	/cmm	150000 - 450000
MPV	H 12.0	fL	7.4 - 10.4

DIFFERENTIAL WBC COUNT

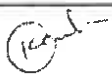
	[%]	EXPECTED VALUES	[Abs]	EXPECTED VALUES
Neutrophils (%)	59	% 42.0 - 75.2	4466	/cmm
Lymphocytes (%)	33	% 20 - 45	2498	/cmm
Eosinophils (%)	1	% 1 - 4	76	/cmm
Monocytes (%)	7	% 2 - 8	530	/cmm
Basophils (%)	0	% 0 - 1	0	/cmm

PERIPHERAL SMEAR STUDY

RBC Morphology	RBC are normochromic normocytic.
WBC Morphology	No premature cells are seen.
Platelets	Platelets are adequate on smear.
Parasites	Malarial parasite is not detected.

This is an Electronically Authenticated Report.

Page 1 of 4


Dr.K.R Prajapati





TEST REPORT

Name : Mr. Jayesh Patel 29198879	Reg. No : 410103468
Age/Sex : 52 Years / Male	Reg. Date : 24-Oct-2024 05:43 PM
Ref. By	Collected On : 24-Oct-2024 05:49 PM
Client Name	Printed On : 29-Oct-2024 04:40 PM
Employee ID : 55004908	Department : Sr Asscte

Parameter	Result	Unit	Biological Ref. Interval
Random Blood Sugar (RBS) Glucose Oxidase-Peroxidase	124	mg/dL	70 - 140
Creatinine ENZYMATIC	1.10	mg/dL	0.8 - 1.5
Uric Acid Uricase Colorimetry	6.16	mg/dL	3.5 - 8.5
UREA Urease end point reaction	28.66	mg/dL	16.0 - 43.0

LIVER FUNCTION TEST

SGOT Aspartate Aminotransferase	30.43	U/L	17 - 59
SGPT Alanine Aminotransferase	26.85	U/L	0 - 50
Total Bilirubin Calorimetric method	0.7	mg/dL	0.1 - 1.4
Conjugated Bilirubin Diazotization method	0.2	mg/dL	0.0 - 0.3
Unconjugated Bilirubin Diazotization method	0.5	mg/dL	0.0 - 1.1
Alkaline Phosphatase Phosphatase activity in 10 min at 37°C	65.2	U/L	38 - 126
GGT Gamma-Glutamyl Transaminase	19.44	U/L	15 - 73

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Page 2 of 4


Dr.K.R Prajapati





**ATHHARV™
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Industrial Health & Toxic Chemicals Testing



TEST REPORT

Name : Mr. Jayesh Patel 29198879
Age/Sex : 52 Years / Male
Ref. By
Client Name
Employee ID : 55004908

Reg. No : 410103468
Reg. Date : 24-Oct-2024 05:43 PM
Collected On : 24-Oct-2024 05:49 PM
Printed On : 25-Nov-2024 01:33 PM
Department : Sr Asscte

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

* PHENOL LEVEL - URINE
Spectrophotometer

15.28

mg Phenol/gm Creatinine Up to 85mg Phenol/creatinine on control Indian population.
Ref : Verma et al, Industrial Health, 2003, 41, 260-264.

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Page 3 of 4

Dr.K.R Prajapati

MD Path (G-28517)

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Sabarmati Visat Highway, Sabarmati, Ahmedabad, Gujarat, 380 005.





TEST REPORT

Name	Mr. Jayesh Patel 29198879	Reg. No	: 410103468
Age/Sex	52 Years / Male	Reg. Date	: 24-Oct-2024 05:43 PM
Ref. By		Collected On	: 24-Oct-2024 05:49 PM
Client Name		Printed On	: 29-Oct-2024 04:40 PM
Employee ID	55004908	Department	: Sr Asscte

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

URINE ROUTINE EXAMINATION

PHYSICAL EXAMINATION

Quantity	30 cc
Colour	Pale Yellow
Clarity	Hazy

CHEMICAL EXAMINATION (BY REFLECTANCE PHOTOMETRIC)

pH	5.0	4.6 - 8.0
Sp. Gravity	1.005	1.001 - 1.035
Protein	Nil	
Glucose	Nil	
Ketone Bodies	Nil	
Urobilinogen	Nil	
Bilirubin	Nil	
Nitrite	Nil	
Leucocytes	Nil	
Blood	Nil	

MICROSCOPIC EXAMINATION (MANUAL BY MICROSCOPY)

Leucocytes (Pus Cells)	1 - 3/hpf	
Erythrocytes (Red Cells)	Nil	
Epithelial Cells	5 - 6/hpf	/hpf
Amorphous Material	Nil	
Casts	Nil	
Crystals	Nil	
Bacteria	Nil	
Fungus	Nil	
Spermatozoa	Nil	

- End Of Report -

This is an Electronically Authenticated Report.

Page 4 of 4

Dr.K.R Prajapati

MO B-170 (G-28517)



Medical Examination Report | AARTI INDUSTRIES LTD Oct -2024

Employee Code : 55004971 Age : 34 Gender : Male
 Employee Name : Mohmed Husain Aliyani
 Department : Amine & Nascent Operations
 Division : Amine
 Patient Code : 29198915 Date : 24 Oct 2024



Present Complaints : NIL

Family History : NIL

Past History : NIL

Personal History : NIL

Allergies To : NIL

Personal Habits

Smoking : Regular : No Alcohol : Regular : No Tobacco : Regular : No
 Occasional : No Occasional : No Occasional : No

Physical Examination

Eye Checkup

Other : -

Color Vision : -

Without Spects	Right	Left	With Spects	Right	Left
Near	-	-	Near	-	-
Dist.	-	-	Dist.	-	-

Height : 182.000 cm Weight : 98.000 kg BMI : 29.590
 Pulse : 86 /min BP : 120/80 mmHg SPO2 : 98

Romberg's Test : ☒ Negative ☐ Positive Trismus Test : ☒ Negative ☐ Positive

Cardio Vascular System

Heart Sound : S1 S2+

Murmurs : Not Heard

Respiratory System

Breath Sound : AEBE, Clear

Adventitious Sound : None

PA : Soft	Liver : Normal	Spleen : Not Palpable
CNS : NAD	Dental : NAD	Skin : Normal
Ear : NAD	Nose : NAD	Throat : NAD
MSK : NAD		

Lab Findings

Hemoglobin : 14.5 g/dl	WBC count : 5940 /cumm	Platelet count : 2.90 Lacs/cumm
RBS : 114 mg/dl	Serum Creatinine : 1.12 mg/dl	Blood Urea : 19.64 mg/dl
SGPT : 46.84 IU/L	SGOT : 37.59 IU/L	Total Bilirubin : 0.9 mg/dl

* Physical reports of ECG, Audiometry, PFT, and Lab. investigation are separately attached. (if applicable)

(P.T.O)


Dr. SAMKIT J. SHAH
 (M.D., D.M.R.E., C.I.H. PGD, M.L.S.)
 Regd. No.: 2012/02/0157

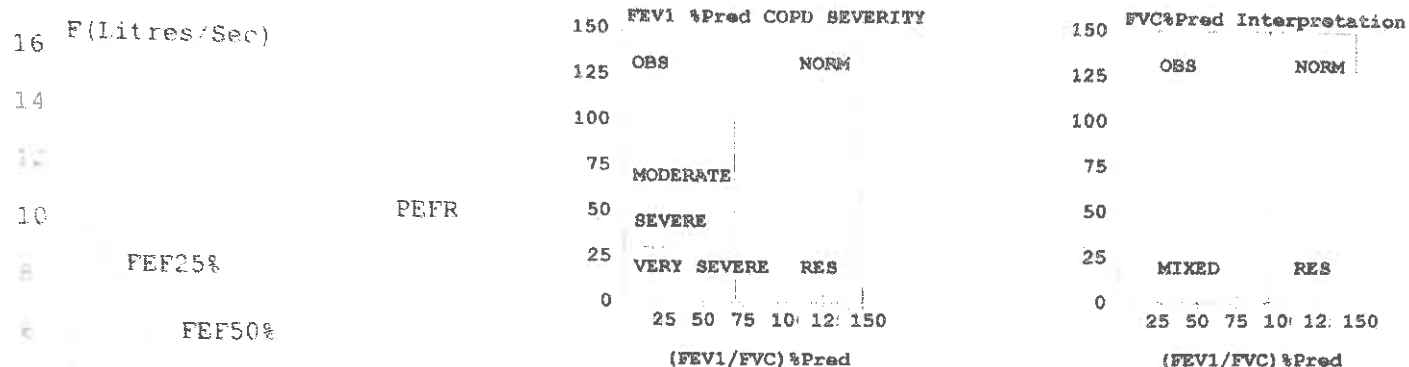


AVEXA HEALTHCARE

3rd floor, shraddha complex, above urmil hospital, near st bus depot, silvassa

Patient: MOHMED HUSAIN ALIYAR
Refd. By:
Pred.Eqns: RECORDERS
Date : 24-Oct-2024 11:39 AM

Age : 34 Years Gender : Male
Height : 182 Cms Smoker : Yes
Weight : 98 Kgs Eth. Corr: 100
ID: 55004971 Temp :



Spirometry (FVC Results)									
Parameter		Pred	M.Pre	%Pred	M.Post	%Pred	%Imp		
FVC	(L)	04.13	04.13	100	-----	---	---		
FEV1	(L)	03.44	03.47	101	-----	---	---		
FEV1/FVC	(%)	83.29	84.02	101	-----	---	---		
FEF25-75	(L/s)	04.44	03.48	078	-----	---	---		
PEFR	(L/s)	09.91	09.48	096	-----	---	---		
FIVC	(L)	-----	04.20	---	-----	---	---		
FEV.5	(L)	-----	02.68	---	-----	---	---		
FEV3	(L)	04.01	04.13	103	-----	---	---		
PIFR	(L/s)	-----	06.73	---	-----	---	---		
FEF75-85	(L/s)	-----	01.19	---	-----	---	---		
FEF.2-1.2	(L/s)	07.91	08.23	104	-----	---	---		
FEF 25%	(L/s)	08.42	07.28	086	-----	---	---		
FEF 50%	(L/s)	06.11	04.06	066	-----	---	---		
FEF 75%	(L/s)	03.13	01.61	051	-----	---	---		
FEV.5/FVC	(%)	-----	64.89	---	-----	---	---		
FEV3/FVC	(%)	97.09	100.00	103	-----	---	---		
FET	(Sec)	-----	02.30	---	-----	---	---		
ExptTime	(Sec)	-----	00.05	---	-----	---	---		
Lung Age	(Yrs)	034	034	100	-----	---	---		
FEV6	(L)	04.13	-----	---	-----	---	---		
FIF25%	(L/s)	-----	06.62	---	-----	---	---		
FIF50%	(L/s)	-----	06.56	---	-----	---	---		
FIF75%	(L/s)	-----	05.19	---	-----	---	---		

Pre Test COPD Severity

Test within normal limits

DR. SAMKIT J. SHAH
(M.D., D.M.R.E., C.I.H. PGD. M.L.S.)
Regd. No.: 2012/02/0157

Pre Medication Report Indicates

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



TEST REPORT

Name	Mr. Mohmed Husain Aliyani 29198915	Reg. No	: 410103486
Age/Sex	34 Years / Male	Reg. Date	: 24-Oct-2024 05:43 PM
Ref. By		Collected On	: 24-Oct-2024 05:50 PM
Client Name		Printed On	: 29-Oct-2024 04:49 PM
Employee ID	55004971	Department	: Joint Mnger

Parameter	Results	Unit	Biological Ref. Interval
-----------	---------	------	--------------------------

COMPLETE BLOOD COUNT (CBC)

Hemoglobin (SLS method)	14.5	g/dL	13.0 - 18.0
Hematocrit (Electrical Impedance)	L 46.60	%	47 - 52
RBC Count (Electrical Impedance)	4.84	million/cmm	4.7 - 6.0
MCV (Calculated)	96.3	fL	78 - 110
MCH (Calculated)	30.0	Pg	27 - 31
MCHC (Calculated)	31.1	%	30 - 35
RDW (Calculated)	13.6	%	11.5 - 14.0
WBC Count (Flowcytometry)	5940	/cmm	4000 - 10500
Platelet Count	290000	/cmm	150000 - 450000
MPV	H 10.6	fL	7.4 - 10.4

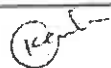
DIFFERENTIAL WBC COUNT	[%]	%	EXPECTED VALUES	[Abs]	EXPECTED VALUES
Neutrophils (%)	56	%	42.0 - 75.2	3326 /cmm	
Lymphocytes (%)	36	%	20 - 45	2138 /cmm	
Eosinophils (%)	2	%	1 - 4	119 /cmm	
Monocytes (%)	6	%	2 - 8	356 /cmm	
Basophils (%)	0	%	0 - 1	0 /cmm	

PERIPHERAL SMEAR STUDY

RBC Morphology	RBC are normochromic normocytic.
WBC Morphology	No premature cells are seen.
Platelets	Platelets are adequate on smear.
Parasites	Malarial parasite is not detected.

This is an Electronically Authenticated Report.

Page 1 of 4


Dr.K.R Prajapati





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Industrial Health & Toxic Chemicals Testing



TEST REPORT

Name : Mr. Mohmed Husain Aliyani 29198915
Age/Sex : 34 Years / Male
Ref. By :
Client Name :
Employee ID : 55004971

Reg. No : 410103486
Reg. Date : 24-Oct-2024 05:43 PM
Collected On : 24-Oct-2024 05:50 PM
Printed On : 29-Oct-2024 04:49 PM
Department : Joint Mnger

Parameter	Result	Unit	Biological Ref. Interval
Random Blood Sugar (RBS) Glucose Oxidase Peroxidase	114	mg/dL	70 - 140
Creatinine ENZYMATIC	1.12	mg/dL	0.8 - 1.5
Uric Acid Uricase Colorimetry	3.51	mg/dL	3.5 - 8.5
UREA Urease End Point Method	19.64	mg/dL	16.0 - 43.0

LIVER FUNCTION TEST

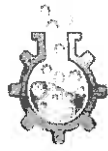
SGOT Multi-point-Rate/Uv With P-5-P	37.59	U/L	17 - 59
SGPT Multi-point-Rate/Uv With P-5-P	46.84	U/L	0 - 50
Total Bilirubin Colorimetric method	0.9	mg/dL	0.1 - 1.4
Conjugated Bilirubin Sulph. acid dipiccoli-benz	0.3	mg/dL	0.0 - 0.3
Unconjugated Bilirubin Sulph. acid dipiccoli-benz	0.6	mg/dL	0.0 - 1.1
Alakaline Phosphatase P-nitrophenyl phosphatase-AMP Buffer. Multiple-point rate	59.6	U/L	38 - 126
GGT γ-glutamyl-p-nitrobenzide	22.89	U/L	15 - 73

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Page 2 of 4


Dr.K.R Prajapati





**ATHHARV™
TOXSCREEN**

Industrial Health & Toxic Chemicals Testing



TEST REPORT

Name	Mr. Mohmed Husain Aliyani 29198915	Reg. No	410103486
Age/Sex	34 Years / Male	Reg. Date	24-Oct-2024 05:43 PM
Ref. By		Collected On	24-Oct-2024 05:50 PM
Client Name		Printed On	25-Nov-2024 01:38 PM
Employee ID	55004971	Department	Joint Mnger

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

*** PHENOL LEVEL - URINE**

UV - VIS Spectrophotometer

34.35

mg Phenol/gm
Creatinine

Up to 85mg
Phenol/creatinine on
control Indian
population.
Ref : Verma et al,
Industrial
Health, 2003, 41, 260-
264.

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Page 3 of 4


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**ATHHARV™
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Industrial Health & Toxic Chemicals Testing



TEST REPORT

Name : Mr. Mohamed Husain Aliyani 29198915
Age/Sex : 34 Years / Male
Ref. By :
Client Name :
Employee ID : 55004971

Reg. No : 410103486
Reg. Date : 24-Oct-2024 05:43 PM
Collected On : 24-Oct-2024 05:50 PM
Printed On : 29-Oct-2024 04:49 PM
Department : Joint Mnger

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

URINE ROUTINE EXAMINATION

PHYSICAL EXAMINATION

Quantity	30 cc
Colour	Pale Yellow
Clarity	Clear

CHEMICAL EXAMINATION (BY REFLECTANCE PHOTOMETRIC)

pH	5.0	4.6 - 8.0
Sp. Gravity	1.025	1.001 - 1.035
Protein	Nil	
Glucose	Nil	
Ketone Bodies	Nil	
Urobilinogen	Nil	
Bilirubin	Nil	
Nitrite	Nil	
Leucocytes	Nil	
Blood	Nil	

MICROSCOPIC EXAMINATION (MANUAL BY MICROSCOPY)

Leucocytes (Pus Cells)	1 - 3/hpf	
Erythrocytes (Red Cells)	Nil	
Epithelial Cells	8 - 10/hpf	/hpf
Amorphous Material	Nil	
Casts	Nil	
Crystals	Nil	
Bacteria	Nil	
Fungus	Nil	
Spermatozoa	Nil	

End Of Report

This is an Electronically Authenticated Report.

Page 4 of 4


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MD Patho (G-28517)



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Analysis Summary Report for Ambient Air Quality Monitoring

Month : October - 2024

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.

Location: Near Security Gate-3

Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results												
Parameters		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As	
Unit		µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	
1.	04/10/2024	58.5	28.2	25.6	30.1	0.52	6.3	3.9	BDL	BDL	BDL	BDL	BDL	
2.	05/10/2024	64.2	31.7	29.5	33.4	0.68	---	---	---	---	---	---	---	
3.	11/10/2024	75.6	37.4	35.3	39.6	0.78	---	---	---	---	---	---	---	
4.	12/10/2024	52.1	23.3	21.7	26.8	0.47	---	---	---	---	---	---	---	
5.	18/10/2024	70.7	35.2	33.8	37.3	0.73	---	---	---	---	---	---	---	
6.	19/10/2024	67.2	33.5	31.4	35.5	0.65	---	---	---	---	---	---	---	
7.	25/10/2024	55.3	26.1	24.2	28.7	0.51	---	---	---	---	---	---	---	
8.	26/10/2024	62.9	30.6	27.6	32.2	0.67	---	---	---	---	---	---	---	
	Maximum	75.6	37.4	35.3	39.6	0.78	---	---	---	---	---	---	---	
	Minimum	52.1	23.3	21.7	26.8	0.47	---	---	---	---	---	---	---	
	Average	63.3	30.7	28.6	32.9	0.62	---	---	---	---	---	---	---	
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06	

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Patel P.A.
ANALYSED BY

C. K. Singh
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf.



ENPRO
Environment,
Energy, Water
Project Consultant

ENPRO Enviro Tech and Engineers Pvt. Ltd.

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,
Sachin-Palsana Road, Sachin, Surat - 394 230. Gujarat, INDIA.
Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Analysis Summary Report for Ambient Air Quality Monitoring

Month: October- 2024

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.

Location: Near Security Gate-1

Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results											
Parameters	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As
		µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³
1.	04/10/2024	61.6	30.7	27.3	33.5	0.59	9.8	1.6	BDL	BDL	BDL	BDL	BDL
2.	05/10/2024	59.4	28.3	25.4	31.6	0.52	--	--	--	--	--	--	--
3.	11/10/2024	78.5	39.2	35.5	41.7	0.76	--	--	--	--	--	--	--
4.	12/10/2024	64.3	32.1	29.6	34.8	0.61	--	--	--	--	--	--	--
5.	18/10/2024	55.8	26.6	24.7	29.3	0.54	--	--	--	--	--	--	--
6.	19/10/2024	67.2	35.4	33.2	37.1	0.65	--	--	--	--	--	--	--
7.	25/10/2024	71.7	37.5	32.8	40.2	0.69	--	--	--	--	--	--	--
8.	26/10/2024	52.1	25.3	23.9	28.4	0.44	--	--	--	--	--	--	--
	Maximum	78.5	39.2	35.5	41.7	0.76	--	--	--	--	--	--	--
	Minimum	52.1	25.3	23.9	28.4	0.44	--	--	--	--	--	--	--
	Average	63.9	31.8	29.1	34.5	0.61	--	--	--	--	--	--	--
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Patel P.A.
ANALYSED BY

AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf

Analysis Summary Report for Ambient Air Quality Monitoring

Month : October- 2024

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.
Location: Near SFD Plant
Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results											
Parameters	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As
		µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³
1.	04/10/2024	63.4	30.8	27.4	33.1	0.66	23.5	13.7	BDL	BDL	BDL	BDL	BDL
2.	05/10/2024	55.8	27.3	25.2	29.5	0.53	--	--	--	--	--	--	--
3.	11/10/2024	69.1	33.5	31.6	36.4	0.71	--	--	--	--	--	--	--
4.	12/10/2024	76.5	37.2	35.3	40.2	0.82	--	--	--	--	--	--	--
5.	18/10/2024	58.3	28.6	24.1	31.6	0.55	--	--	--	--	--	--	--
6.	19/10/2024	73.9	36.4	33.7	38.3	0.77	--	--	--	--	--	--	--
7.	25/10/2024	52.7	25.9	23.8	27.9	0.54	--	--	--	--	--	--	--
8.	26/10/2024	60.4	29.1	26.5	32.7	0.68	--	--	--	--	--	--	--
	Maximum	76.5	37.2	35.3	40.2	0.82	--	--	--	--	--	--	--
	Minimum	52.2	25.9	23.8	27.9	0.53	--	--	--	--	--	--	--
	Average	63.7	31.1	28.4	33.7	0.65	--	--	--	--	--	--	--
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Gate P.A.
ANALYSED BY

C. S. Patel
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf.

Analysis Summary Report for Ambient Air Quality Monitoring

Month: November - 2024

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.

Location: Near Security Gate-1

Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results											
Parameters		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As
Unit		µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³
1.	08/11/2024	75.8	35.3	31.7	39.6	0.53	11.4	3.7	BDL	BDL	BDL	BDL	BDL
2.	09/11/2024	87.4	42.6	38.4	46.2	0.64	---	---	---	---	---	---	---
3.	15/11/2024	80.5	38.2	33.5	42.7	0.75	---	---	---	---	---	---	---
4.	16/11/2024	78.6	36.5	32.1	40.3	0.82	---	---	---	---	---	---	---
5.	22/11/2024	65.3	29.8	26.3	33.5	0.48	---	---	---	---	---	---	---
6.	23/11/2024	83.7	40.9	35.2	44.8	0.77	---	---	---	---	---	---	---
7.	29/11/2024	72.9	34.1	30.8	38.4	0.81	---	---	---	---	---	---	---
8.	30/11/2024	68.2	27.7	24.6	31.3	0.66	---	---	---	---	---	---	---
Maximum		87.4	42.6	38.4	46.2	0.82	---	---	---	---	---	---	---
Minimum		65.3	27.7	24.6	31.3	0.48	---	---	---	---	---	---	---
Average		76.5	35.3	31.5	39.6	0.68	---	---	---	---	---	---	---
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Patel P.A.
ANALYSED BY

23/11/2024
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf

Analysis Summary Report for Ambient Air Quality Monitoring Month : November - 2024

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.
Location: Near SFD Plant
Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results											
	Parameters	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³
1.	08/11/2024	81.7	38.3	33.2	42.6	0.63	21.2	11.3	BDL	BDL	BDL	BDL	BDL
2.	09/11/2024	77.2	36.4	31.6	44.2	0.58	---	---	---	---	---	---	---
3.	15/11/2024	68.6	29.7	25.8	34.3	0.71	---	---	---	---	---	---	---
4.	16/11/2024	84.3	41.6	37.3	46.8	0.82	---	---	---	---	---	---	---
5.	22/11/2024	73.5	35.2	30.1	39.5	0.67	---	---	---	---	---	---	---
6.	23/11/2024	65.8	27.9	24.7	32.4	0.58	---	---	---	---	---	---	---
7.	29/11/2024	70.4	32.8	29.4	36.7	0.46	---	---	---	---	---	---	---
8.	30/11/2024	79.1	34.6	32.5	38.2	0.52	---	---	---	---	---	---	---
	Maximum	84.3	41.6	37.3	46.8	0.82	---	---	---	---	---	---	---
	Minimum	65.8	27.5	24.7	32.4	0.46	---	---	---	---	---	---	---
	Average	75.0	34.5	30.6	39.3	0.62	---	---	---	---	---	---	---
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Patel P. A.
ANALYSED BY


AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf.

Analysis Summary Report for Ambient Air Quality Monitoring

Month: November - 2024

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.

Location: Near Security Gate-3

Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results											
Parameters	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As
		µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³
1.	08/11/2024	78.3	36.2	31.5	42.6	0.75	8.5	5.7	BDL	BDL	BDL	BDL	BDL
2.	09/11/2024	69.8	28.5	23.6	33.2	0.64	--	--	--	--	--	--	--
3.	15/11/2024	75.7	33.8	29.4	37.5	0.82	--	--	--	--	--	--	--
4.	16/11/2024	83.4	40.6	34.2	46.4	0.45	--	--	--	--	--	--	--
5.	22/11/2024	64.1	29.5	23.7	34.3	0.53	--	--	--	--	--	--	--
6.	23/11/2024	87.2	42.7	37.3	48.1	0.36	--	--	--	--	--	--	--
7.	29/11/2024	70.4	31.8	28.1	37.6	0.85	--	--	--	--	--	--	--
8.	30/11/2024	85.6	38.4	33.4	43.8	0.67	--	--	--	--	--	--	--
	Maximum	87.2	42.7	37.3	48.1	0.85	--	--	--	--	--	--	--
	Minimum	64.1	28.5	23.6	33.2	0.36	--	--	--	--	--	--	--
	Average	76.8	35.1	30.1	40.4	0.63	--	--	--	--	--	--	--
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Patel P.A.
ANALYSED BY


AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf.



ENPRO Enviro Tech and Engineers Pvt. Ltd.

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3,
Sachin-Palsana Road, Sachin, Surat - 394 230. Gujarat, INDIA.
Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Analysis Summary Report for Ambient Air Quality Monitoring Month: December-2024

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.	
Location: Near Security Gate-1	Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results												
Parameters		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As	
Unit		µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	
1.	06/12/2024	90.2	41.4	36.1	47.8	0.94	12.2	4.8	BDL	BDL	BDL	BDL	BDL	
2.	07/12/2024	69.5	32.3	28.7	38.6	0.76	--	--	--	--	--	--	--	
3.	13/12/2024	85.8	47.9	42.6	53.7	0.81	--	--	--	--	--	--	--	
4.	14/12/2024	93.9	52.1	46.4	58.3	0.61	--	--	--	--	--	--	--	
5.	20/12/2024	76.1	35.2	30.3	40.1	0.84	--	--	--	--	--	--	--	
6.	21/12/2024	73.4	31.6	26.2	36.4	0.69	--	--	--	--	--	--	--	
7.	27/12/2024	91.4	44.8	39.5	49.2	0.72	--	--	--	--	--	--	--	
8.	28/12/2024	80.2	37.4	31.8	26.5	0.84	--	--	--	--	--	--	--	
	Maximum	93.9	52.1	46.4	58.3	0.94	--	--	--	--	--	--	--	
	Minimum	69.5	31.6	26.2	26.5	0.61	--	--	--	--	--	--	--	
	Average	82.9	40.4	35.2	43.0	0.77	--	--	--	--	--	--	--	
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06	

Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

P. A. Patel
ANALYSED BY

C. R. Desai
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf

Analysis Summary Report for Ambient Air Quality Monitoring

Month: December-2024

GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.

Location: Near SFD Plant

Duration of Sampling: 24 hours

1. Analysis Results:

Sr. No.	Date	Results												
Parameters		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As	
Unit		µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	
1.	06/12/2024	72.1	31.9	27.8	36.2	0.9	19.8	9.5	BDL	BDL	BDL	BDL	BDL	
2.	07/12/2024	80.9	43.5	39.6	48.3	0.57	--	--	--	--	--	--	--	
3.	13/12/2024	87.5	46.7	41.4	53.5	0.91	--	--	--	--	--	--	--	
4.	14/12/2024	67.8	32.4	28.3	38.7	0.67	--	--	--	--	--	--	--	
5.	20/12/2024	89.3	47.1	42.7	51.6	0.72	--	--	--	--	--	--	--	
6.	21/12/2024	85.2	39.5	34.3	46.3	0.94	--	--	--	--	--	--	--	
7.	27/12/2024	91.7	51.9	46.2	56.8	0.78	--	--	--	--	--	--	--	
8.	28/12/2024	83.4	38.7	32.1	42.4	0.59	--	--	--	--	--	--	--	
	Maximum	91.7	51.9	46.2	56.8	0.94	--	--	--	--	--	--	--	
	Minimum	67.8	31.9	27.8	36.2	0.57	--	--	--	--	--	--	--	
	Average	82.2	41.4	36.5	46.7	0.76	--	--	--	--	--	--	--	
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06	

1. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

ANALYSED BY

C. K. D. 2024
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf.

Analysis Summary Report for Ambient Air Quality Monitoring

Month: December-2024

GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285/286, Phase-III, GIDC, Vapi.

Location: Near Security Gate-3

Duration of Sampling: 24 hours

Analysis Results:

Sr. No.	Date	Results												
	Parameters	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As	
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	
1.	06/12/2024	85.8	47.9	43.5	53.2	0.81	8.9	6.3	BDL	BDL	BDL	BDL	BDL	
2.	07/12/2024	73.9	52.1	48.2	57.6	0.66	--	--	--	--	--	--	--	
3.	13/12/2024	68.6	35.2	31.4	40.5	0.84	--	--	--	--	--	--	--	
4.	14/12/2024	77.2	31.6	27.3	38.7	0.69	--	--	--	--	--	--	--	
5.	20/12/2024	89.4	44.8	40.1	49.3	0.72	--	--	--	--	--	--	--	
6.	21/12/2024	76.5	37.3	32.6	41.8	0.84	--	--	--	--	--	--	--	
7.	27/12/2024	81.1	36.8	31.7	43.2	0.73	--	--	--	--	--	--	--	
8.	28/12/2024	87.3	45.5	41.8	51.4	0.61	--	--	--	--	--	--	--	
	Maximum	89.4	52.1	48.2	57.6	0.84	--	--	--	--	--	--	--	
	Minimum	68.6	31.6	27.3	38.7	0.61	--	--	--	--	--	--	--	
	Average	79.9	41.4	37.0	46.9	0.73	--	--	--	--	--	--	--	
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06	

1. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

R. P. P. A.
ANALYSED BY

C. A. 07/11
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf.

Analysis Summary Report for Ambient Air Quality Monitoring

Month: January- 2025

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.

Location: Near Security Gate-1

Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results											
		Parameters	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni
		Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³
1.	03/01/2025		78.6	37.2	32.5	44.3	0.61	13.5	5.6	BDL	BDL	BDL	BDL
2.	04/01/2025		87.4	42.6	37.4	48.2	0.53	--	--	--	--	--	--
3.	10/01/2025		92.3	45.8	40.1	52.6	0.76	--	--	--	--	--	--
4.	11/01/2025		75.7	36.4	31.8	43.5	0.82	--	--	--	--	--	--
5.	17/01/2025		85.2	41.9	36.3	47.1	0.95	--	--	--	--	--	--
6.	18/01/2025		95.1	43.7	38.2	50.4	0.54	--	--	--	--	--	--
7.	24/01/2025		68.5	32.8	28.6	38.7	0.79	--	--	--	--	--	--
8.	25/01/2025		70.8	33.1	29.5	40.8	0.47	--	--	--	--	--	--
9.	31/01/2025		83.9	40.5	35.7	46.3	0.83	--	--	--	--	--	--
10.	01/02/2025		88.2	42.3	38.1	51.9	0.51	--	--	--	--	--	--
	Maximum		95.1	45.8	40.1	52.6	0.95	--	--	--	--	--	--
	Minimum		68.5	32.8	28.6	38.7	0.47	--	--	--	--	--	--
	Average		82.6	39.6	34.8	46.3	0.68	--	--	--	--	--	--
Permissible Limit (As Per NAAQMS)			100	60	80	80	02	400	100	05	01	01	20

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

ANALYSED BY

C.P. Desai
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf

Analysis Summary Report for Ambient Air Quality Monitoring

Month: January- 2025

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285, 286, Phase-III, GIDC, Vapi.

Location: Near SFD Plant

Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results											
		Parameters Unit	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	NH ₃ µg/m ³	Ozone µg/m ³	Benzene µg/m ³	BaP ng/m ³	Pb µg/m ³	Ni ng/m ³
1.	03/01/2025		97.3	48.5	41.3	54.2	0.79	18.4	8.2	BDL	BDL	BDL	BDL
2.	04/01/2025		84.5	40.2	35.4	48.5	0.65	--	--	--	--	--	--
3.	10/01/2025		91.2	37.4	32.5	43.8	0.83	--	--	--	--	--	--
4.	11/01/2025		80.1	36.8	30.7	41.7	0.58	--	--	--	--	--	--
5.	17/01/2025		75.8	34.3	29.8	40.3	0.97	--	--	--	--	--	--
6.	18/01/2025		95.4	45.1	40.2	52.9	0.71	--	--	--	--	--	--
7.	24/01/2025		86.2	41.7	36.3	47.4	0.64	--	--	--	--	--	--
8.	25/01/2025		94.7	38.8	31.6	44.6	0.53	--	--	--	--	--	--
9.	31/01/2025		78.6	35.2	27.8	42.1	0.48	--	--	--	--	--	--
10.	01/02/2025		82.8	39.9	33.4	45.3	0.88	--	--	--	--	--	--
	Maximum		97.3	48.5	41.3	54.2	0.97	--	--	--	--	--	--
	Minimum		75.8	34.3	27.8	40.3	0.48	--	--	--	--	--	--
	Average		86.6	39.7	33.9	46.0	0.70	--	--	--	--	--	--
Permissible Limit (As Per NAAQMS)			100	60	80	80	02	400	100	05	01	01	20

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Ritika A.
ANALYSED BY

C. R. Desai
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf

Analysis Summary Report for Ambient Air Quality Monitoring

Month: January- 2025

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.
Location: Near Security Gate-3
Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results												
Parameters		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As	
Unit		µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	
1.	03/01/2025	85.8	41.6	36.2	51.8	0.53	9.5	7.5	BDL	BDL	BDL	BDL	BDL	
2.	04/01/2025	73.9	35.4	30.1	42.6	0.66	---	---	---	---	---	---	---	
3.	10/01/2025	68.6	32.5	27.8	38.3	0.84	---	---	---	---	---	---	---	
4.	11/01/2025	77.2	36.3	31.9	43.1	0.69	---	---	---	---	---	---	---	
5.	17/01/2025	92.4	44.1	39.4	53.2	0.72	---	---	---	---	---	---	---	
6.	18/01/2025	71.7	33.7	28.6	39.4	0.58	---	---	---	---	---	---	---	
7.	24/01/2025	81.1	37.8	32.3	45.7	0.61	---	---	---	---	---	---	---	
8.	25/01/2025	93.3	45.2	40.7	55.9	0.83	---	---	---	---	---	---	---	
9.	31/01/2025	79.5	38.2	33.5	46.5	0.77	---	---	---	---	---	---	---	
10.	01/02/2025	90.6	40.8	35.1	47.2	0.81	---	---	---	---	---	---	---	
	Maximum	93.3	45.2	40.7	55.9	0.84	---	---	---	---	---	---	---	
	Minimum	68.6	32.5	27.8	38.3	0.53	---	---	---	---	---	---	---	
	Average	93.3	45.2	40.7	55.9	0.84	---	---	---	---	---	---	---	
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06	
3. Remark: - 1. Method Followed: IS- 5182.														

3. Remark: - 1. Method Followed: IS- 5182.
2. Note: BDL-Below Detectable Limit.

ANALYSED BY

AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf.



ENPRO Enviro Tech and Engineers Pvt. Ltd.

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate, Gate No. 3.

Sachin-Palsana Road, Sachin, Surat - 394 230, Gujarat, INDIA

Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Analysis Summary Report for Ambient Air Quality Monitoring Month: February - 2025

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.

Location: Near Security Gate-1

Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results												
		Parameters	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	
1.	07/02/2025	84.6	41.5	37.2	46.7	0.89	14.8	7.5	BDL	BDL	BDL	BDL	BDL	
2.	08/02/2025	72.4	35.8	30.6	39.8	0.54	---	---	---	---	---	---	---	
3.	14/02/2025	87.2	43.1	39.4	48.2	0.72	---	---	---	---	---	---	---	
4.	15/02/2025	79.3	38.4	32.3	41.9	0.63	---	---	---	---	---	---	---	
5.	21/02/2025	77.8	36.3	31.8	40.4	0.48	---	---	---	---	---	---	---	
6.	22/02/2025	80.7	39.6	33.7	42.5	0.69	---	---	---	---	---	---	---	
7.	28/02/2025	75.1	34.7	29.5	37.3	0.53	---	---	---	---	---	---	---	
8.	01/03/2025	91.3	44.9	40.1	51.6	0.75	---	---	---	---	---	---	---	
	Maximum	91.3	44.9	40.1	51.6	0.89	---	---	---	---	---	---	---	
	Minimum	72.4	34.7	29.5	37.3	0.48	---	---	---	---	---	---	---	
	Average	81.0	39.2	34.3	43.5	0.65	---	---	---	---	---	---	---	
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06	

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Patel P.A.
ANALYSED BY

C. K. Singh
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf



ENPRO Enviro Tech and Engineers Pvt. Ltd.

Environmental Testing Laboratory

Plot No. D/29/16 17, Road No. 17, Hojiwala Industrial Estate Gate No. 1
Sachin-Palsana Road, Sachin, Surat - 394 230. Gujarat, INDIA
Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Analysis Summary Report for Ambient Air Quality Monitoring

Month: February- 2025

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.
Location: Near SFD Plant Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results												
		Parameters	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As
		Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³
1.	07/02/2025		69.7	33.5	28.3	37.7	0.81	19.3	9.5	BDL	BDL	BDL	BDL	BDL
2.	08/02/2025		93.8	45.4	40.2	49.1	0.74	---	---	---	---	---	---	---
3.	14/02/2025		76.5	37.8	31.7	41.6	0.83	---	---	---	---	---	---	---
4.	15/02/2025		84.6	41.7	38.5	43.2	0.91	---	---	---	---	---	---	---
5.	21/02/2025		81.9	39.2	35.6	45.4	0.67	---	---	---	---	---	---	---
6.	22/02/2025		70.3	34.6	30.4	38.3	0.86	---	---	---	---	---	---	---
7.	28/02/2025		75.2	36.2	32.8	42.5	0.73	---	---	---	---	---	---	---
8.	01/03/2025		88.4	43.1	39.1	48.9	0.52	---	---	---	---	---	---	---
	Maximum		93.8	45.4	40.2	49.1	0.91	---	---	---	---	---	---	---
	Minimum		69.7	33.5	28.3	37.7	0.52	---	---	---	---	---	---	---
	Average		80.0	38.9	34.6	43.3	0.75	---	---	---	---	---	---	---
Permissible Limit (As Per NAAQMS)			100	60	80	80	02	400	100	05	01	01	20	06

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Patel P. A.
ANALYSED BY


AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf



ENPRO Enviro Tech and Engineers Pvt. Ltd.

Environmental Testing Laboratory

Plot No. D/29/16-17, Road No. 17, Hojiwala Industrial Estate Gate No. 3,

Sachin-Palsana Road, Sachin, Surat - 394 230, Gujarat, INDIA

Lab Ph. : +91-95128 74754 E-mail : lab@enpro.co.in

Analysis Summary Report for Ambient Air Quality Monitoring

Month: February- 2025

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.

Location: Near Security Gate-3

Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results												
Parameters		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As	
Unit		µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	
1.	07/02/2025	73.4	35.4	30.6	39.1	0.68	10.3	8.2	BDL	BDL	BDL	BDL	BDL	
2.	08/02/2025	88.2	42.1	37.2	48.2	0.93	---	---	---	---	---	---	---	
3.	14/02/2025	79.3	38.6	33.7	42.7	0.84	---	---	---	---	---	---	---	
4.	15/02/2025	96.1	46.7	42.3	55.4	0.71	---	---	---	---	---	---	---	
5.	21/02/2025	90.4	43.2	39.1	49.3	0.56	---	---	---	---	---	---	---	
6.	22/02/2025	76.8	37.3	31.8	44.5	0.62	---	---	---	---	---	---	---	
7.	28/02/2025	93.5	45.1	41.9	50.6	0.77	---	---	---	---	---	---	---	
8.	01/03/2025	79.6	36.5	31.2	43.9	0.54	---	---	---	---	---	---	---	
	Maximum	96.1	46.7	42.3	55.4	0.93	---	---	---	---	---	---	---	
	Minimum	73.4	35.4	30.6	39.1	0.54	---	---	---	---	---	---	---	
	Average	84.6	40.6	35.9	46.8	0.70	---	---	---	---	---	---	---	
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06	

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Patel P. A.
ANALYSED BY


AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf

Analysis Summary Report for Ambient Air Quality Monitoring

Month: March- 2025

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.
Location: Near Security Gate-1
Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results												
Parameters		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As	
Unit		µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	
1.	07/03/2025	84.6	45.3	39.4	51.5	0.72	16.4	8.2	BDL	BDL	BDL	BDL	BDL	
2.	08/03/2025	80.7	37.2	31.3	43.1	0.61	---	---	---	---	---	---	---	
3.	14/03/2025	75.4	36.1	30.2	42.0	0.58	---	---	---	---	---	---	---	
4.	15/03/2025	68.8	33.4	27.5	39.3	0.91	---	---	---	---	---	---	---	
5.	21/03/2025	82.3	39.2	33.3	45.1	0.67	---	---	---	---	---	---	---	
6.	22/03/2025	79.2	36.5	30.6	42.4	0.49	---	---	---	---	---	---	---	
7.	28/03/2025	87.6	42.6	36.7	48.5	0.63	---	---	---	---	---	---	---	
8.	29/03/2025	89.1	41.3	35.4	47.2	0.78	---	---	---	---	---	---	---	
Maximum		89.1	45.3	39.4	51.5	0.91	---	---	---	---	---	---	---	
Minimum		68.8	33.4	27.5	39.3	0.49	---	---	---	---	---	---	---	
Average		80.9	38.9	33.0	44.8	0.67	---	---	---	---	---	---	---	
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	06	
2. Remarks: 1. Method Followed: IS 5132														

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

ANALYSED BY

AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf

Analysis Summary Report for Ambient Air Quality Monitoring

Month: March- 2025

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.

Location: Near SFD Plant

Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results											
	Parameters	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³
1.	07/03/2025	82.7	38.2	32.3	44.6	0.84	20.5	10.1	BDL	BDL	BDL	BDL	BDL
2.	08/03/2025	90.4	42.6	36.7	49.0	0.65	--	--	--	--	--	--	--
3.	14/03/2025	85.6	41.5	35.6	47.9	0.93	--	--	--	--	--	--	--
4.	15/03/2025	78.8	36.4	30.5	42.8	0.56	--	--	--	--	--	--	--
5.	21/03/2025	92.3	45.1	39.2	51.5	0.82	--	--	--	--	--	--	--
6.	22/03/2025	68.9	32.3	26.4	38.7	0.71	--	--	--	--	--	--	--
7.	28/03/2025	73.4	35.7	29.8	42.1	0.68	--	--	--	--	--	--	--
8.	29/03/2025	88.2	43.8	37.9	50.2	0.88	--	--	--	--	--	--	--
	Maximum	92.3	45.1	39.2	51.5	0.93	--	--	--	--	--	--	--
	Minimum	68.9	32.3	26.4	38.7	0.56	--	--	--	--	--	--	--
	Average	82.5	39.4	33.5	45.8	0.75	--	--	--	--	--	--	--
Permissible Limit (As Per NAAQMS)		100	60	80	80	02	400	100	05	01	01	20	05

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

P. A. Desai
ANALYSED BY

C. R. Desai
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf.

Analysis Summary Report for Ambient Air Quality Monitoring

Month: March- 2025

1. GENERAL DETAILS:

Name of Industry: Aarti Industries Ltd. (Amine Div.), Plot No.-285,286, Phase-III, GIDC, Vapi.

Location: Near Security Gate-3

Duration of Sampling: 24 hours

2. Analysis Results:

Sr. No.	Date	Results												
		Parameters	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	NH ₃	Ozone	Benzene	BaP	Pb	Ni	As
		Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³
1.	07/03/2025		89.6	43.8	37.6	49.5	0.71	11.6	9.4	BDL	BDL	BDL	BDL	BDL
2.	08/03/2025		74.3	35.2	29.5	40.9	0.58	--	--	--	--	--	--	--
3.	14/03/2025		82.5	37.6	31.4	43.3	0.73	--	--	--	--	--	--	--
4.	15/03/2025		94.2	41.7	35.5	47.4	0.61	--	--	--	--	--	--	--
5.	21/03/2025		77.4	34.9	28.7	40.6	0.88	--	--	--	--	--	--	--
6.	22/03/2025		85.1	40.5	34.3	46.2	0.78	--	--	--	--	--	--	--
7.	28/03/2025		97.3	46.3	40.1	52.7	0.82	--	--	--	--	--	--	--
8.	29/03/2025		80.7	36.4	30.2	42.1	0.64	--	--	--	--	--	--	--
	Maximum		97.3	46.3	40.1	52.7	0.88	--	--	--	--	--	--	--
	Minimum		74.3	34.9	28.7	40.6	0.58	--	--	--	--	--	--	--
	Average		85.1	39.5	33.4	45.3	0.74	--	--	--	--	--	--	--
Permissible Limit (As Per NAAQMS)			100	60	80	80	02	400	100	05	01	01	20	06

3. Remark: - 1. Method Followed: IS- 5182.

2. Note: BDL-Below Detectable Limit.

Dielf. A.
ANALYSED BY

E. P. Desai
AUTHORIZED SIGNATORY

Note: This report is subject to terms & conditions mentioned overleaf.

Test Report

TC - 5885

Format No : QR/7.8/03	Test Report No : TC58852400009710F	Issue Date : 17-10-2024
ULR No : TC58852400009710F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.)

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.

Description of Monitoring : Noise Level Monitoring			
Sampling By	: ENPRO Team-Mr.Vihang Patel	Sampling & Test Method	: WI/N/01
Date of Sampling	: 10-10-2024	Duration of Sampling	: 1 hr / Location
Description of Location	: As per Table Given Below	Sample ID	: 1024/N09710
Type of Test	: On Site Testing	Protocol	: Ambient Noise Level Monitoring

RESULT TABLE

SR. NO.	LOCATION	DAY TIME NOISE LEVEL dB (A) Leq	NIGHT TIME NOISE LEVEL dB (A) Leq
1	Lunch Room	72.3	67.5
2	Security Gate	74.6	69.6
3	Material Gate	72.0	66.4
4	Fabrication Work Shop	74.8	70.1
5	Ware House No. 1	70.5	65.2
6	Ware House No. 2	69.3	63.6
7	Central Toilet Bathroom	66.8	57.4
	LIMIT	75	70

NOTE : Day Time : 06:00 AM to 10:00 PM & Night Time : 10:00 PM To 06:00 AM

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


CHECKED BY
Sweety Patel (Dy.TM)


REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

Note 1 : This Report is subject to terms & conditions mentioned overleaf.

Note 2 : Details about MU and Decision Rules are available with laboratory and same will be provided upon request.

*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/03	Test Report No : TC588524000010912F	Issue Date : 21-11-2024
ULR No : TC588524000010912F	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Monitoring : Noise Level Monitoring		
Sampling By : ENPRO Team-Mr.Nikunj Vaghas	Sampling & Test Method : WI/N/01	
Date of Sampling : 15-11-2024	Duration of Sampling : 1 hr / Location	
Description of Location : As per Table Given Below	Sample ID : 1124/N10912	: Ambient Noise Level Monitoring
Type of Test : On Site Testing	Protocol	

RESULT TABLE

SR. NO.	LOCATION	DAY TIME NOISE LEVEL dB (A) Leq	NIGHT TIME NOISE LEVEL dB (A) Leq
1	Lunch Room		
2	Security Gate	68.1	62.4
3	Material Gate	71.9	68.2
4	Fabrication Work Shop	68.5	63.7
5	Ware House No. 1	72.2	69.5
6	Ware House No. 2	66.8	64.1
7	Central Toilet Bathroom	73.4	66.9
		64.7	59.3
	LIMIT	75	70

NOTE : Day Time : 06:00 AM to 10:00 PM & Night Time : 10:00 PM To 06:00 AM

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

CHECKED BY
Sweety Patel (Dy.TM)

REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

Note 1 : This Report is subject to terms & conditions mentioned overleaf.
Note 2 : Details about MU and Decision Rules are available with laboratory and same will be provided upon request.

*** End of Report ***

Page 1 of 1

Test Report

TC - 5885

Format No : QR/7.8/03	Test Report No : TC588524000012302F	Issue Date : 21-12-2024
ULR No : TC588524000012302F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi -- 396195, Dist. - Valsad.

Description of Monitoring	: Noise Level Monitoring
Sampling By	: ENPRO Team-Mr.Nikunj Vagha
Date of Sampling	: 14-12-2024
Description of Location	: As per Table Given Below
Type of Test	: On Site Testing
Sampling & Test Method	: WI/N/01
Duration of Sampling	: 1 hr / Location
Sample ID	: 1224/N12302
Protocol	: Ambient Noise Level Monitoring

RESULT TABLE

SR. NO.	LOCATION	DAY TIME NOISE LEVEL dB (A) Leq	NIGHT TIME NOISE LEVEL dB (A) Leq
1	Lunch Room	70.6	65.8
2	Security Gate	73.1	69.4
3	Material Gate	70.8	62.0
4	Fabrication Work Shop	71.4	66.7
5	Ware House No. 1	64.3	61.3
6	Ware House No. 2	68.9	64.6
7	Central Toilet Bathroom	62.5	56.2
	LIMIT	75	70

NOTE : Day Time : 06:00 AM to 10:00 PM & Night Time : 10:00 PM To 06:00 AM

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


CHECKED BY
Sweety Patel (Dy.TM)


REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

Note 1 : This Report is subject to terms & conditions mentioned overleaf.

Note 2 : Details about MU and Decision Rules are available with laboratory and same will be provided upon request.

*** End of Report ***

Test Report

TC - 5885

Format No : QR/7.8/03	Test Report No : TC588525000000575F	Issue Date : 24-01-2025
ULR No : TC588525000000575F	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.		
Description of Monitoring : Noise Level Monitoring		
Sampling By : ENPRO Team-Mr.Vihang Patel	Sampling & Test Method : WI/N/01	
Date of Sampling : 17-01-2025	Duration of Sampling : 1 hr / Location	
Description of Location : As per Table Given Below	Sample ID : 0125/N00575	
Type of Test : On Site Testing	Protocol : Ambient Noise Level Monitoring	

RESULT TABLE

SR. NO.	LOCATION	DAY TIME NOISE LEVEL dB (A) Leq	NIGHT TIME NOISE LEVEL dB (A) Leq
1	Lunch Room	72.1	64.3
2	Security Gate	70.8	67.9
3	Material Gate	73.5	69.2
4	Fabrication Work Shop	74.9	70.8
5	Ware House No. 1	68.5	63.1
6	Ware House No. 2	71.1	62.6
7	Central Toilet Bathroom	65.4	58.2
	LIMIT	75	70

Note: Day Time: 06:00 AM to 10:00 PM & Night Time: 10:00 PM to 06:00 AM.

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

CHECKED BY
Sweety Patel (Dy.TM)

REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

Note 1 : This Report is subject to terms & conditions mentioned overleaf.

Note 2 : Details about MU and Decision Rules are available with laboratory and same will be provided upon request.

*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/03	Test Report No : TC588525000001797F	Issue Date : 27-02-2025
JLR No : TC588525000001797F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.)

Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.

Description of Monitoring : Noise Level Monitoring

Sampling By : ENPRO Team-Mr.Vihang Patel Sampling & Test Method : WI/N/01

Date of Sampling : 21-02-2025 Duration of Sampling : 1 hr / Location

Description of Location : As per Table Given Below Sample ID : 0225/N01797

Type of Test : On Site Testing Protocol : Ambient Noise Level Monitoring

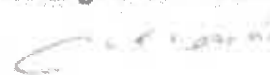
RESULT TABLE

SR. NO.	LOCATION	DAY TIME NOISE LEVEL dB (A) Leq	NIGHT TIME NOISE LEVEL dB (A) Leq
1	Lunch Room	69.7	63.2
2	Security Gate	72.4	65.9
3	Material Gate	70.7	61.1
4	Fabrication Work Shop	72.5	67.8
5	Ware House No. 1	66.3	61.0
6	Ware House No. 2	62.9	56.4
7	Central Toilet Bathroom	64.1	59.7
	LIMIT	75	70

Note: Day Time: 06:00 AM to 10:00 PM & Night Time: 10:00 PM to 06:00 AM.

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)


CHECKED BY
Sweety Patel (Dy.TM)


REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

Note 1 : This Report is subject to terms & conditions mentioned overleaf.

Note 2 : Details about MU and Decision Rules are available with laboratory and same will be provided upon request.

*** End of Report ***

Page 1 of 1

Test Report

Format No : QR/7.8/03	Test Report No : TC588525000002465F	Issue Date : 18-03-2025
ULR No : TC588525000002465F	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : **Aarti Industries Ltd. (Amine Div.)**

Plot No -285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist - Valsad.

Description of Monitoring	: Noise Level Monitoring	Sampling & Test Method	: WI/N/01
Sampling By	: ENPRO Team-Mr.Vihang Patel	Duration of Sampling	: 1 hr / Location
Date of Sampling	: 10-03-2025	Sample ID	: 0325/N02465
Description of Location	: As per Table Given Below	Protocol	: Ambient Noise Level Monitoring
Type of Test	: On Site Testing		

RESULT TABLE

SR. NO.	LOCATION	DAY TIME NOISE LEVEL dB (A) Leq	NIGHT TIME NOISE LEVEL dB (A) Leq
1	Lunch Room	73.5	65.1
2	Security Gate	74.2	68.6
3	Material Gate	67.7	63.4
4	Fabrication Work Shop	74.1	69.9
5	Ware House No. 1	64.2	57.5
6	Ware House No. 2	60.9	51.3
7	Central Toilet Bathroom	62.3	54.7
	LIMIT	75	70

Note: Day Time: 06:00 AM to 10:00 PM & Night Time: 10:00 PM to 06:00 AM.

ENPRO Enviro Tech and Engineers Pvt. Ltd.(ETL)

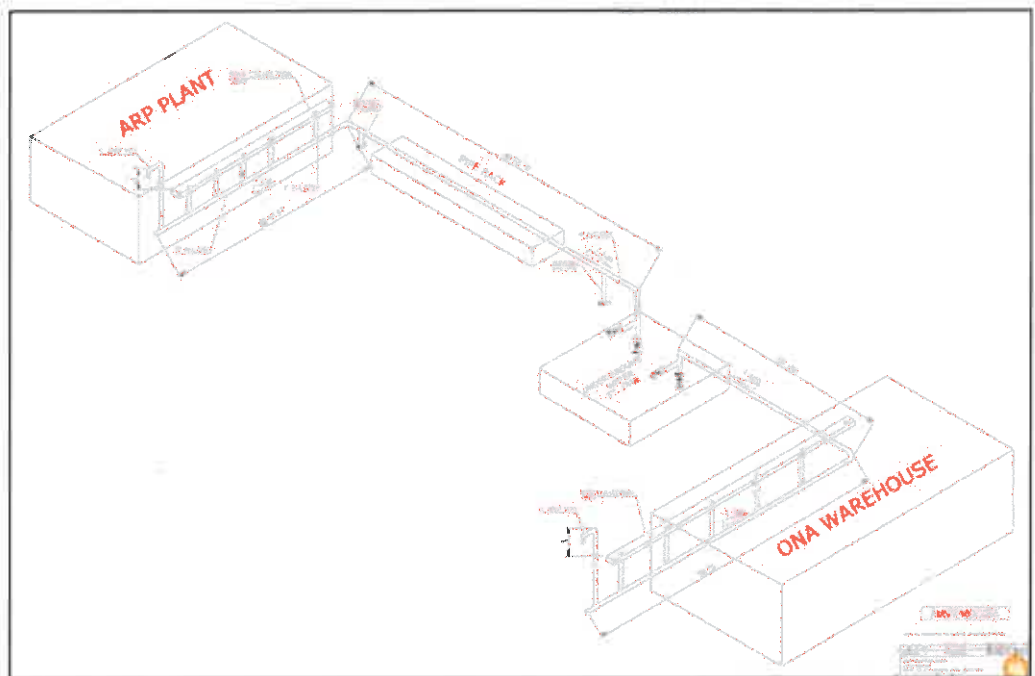
CHECKED BY
Sweety Patel (Dy TM)

REVIEWED AND AUTHORISED BY
Chintan Desai (TM)

Note 1 : This Report is subject to terms & conditions mentioned overleaf.
Note 2 : Details about MU and Decision Rules are available with laboratory and same will be provided upon request.

*** End of Report ***

Page 1 of 1





Annexure XIII

Compliance Status of the EMP/EIA Recommendations

Sl No	EMP Recommendations	Current Status
1.0	Establishment of an Environment Management Cell	The unit has set up an Environmental Management Cell both at Corporate level and at the site level. The Cell is headed by a Sr Vice President and a General Manager at the corporate level who drives the implementation of policy. At the site level, an Environment Manager, a dedicated Environment Engineer and the operations team which carry out the operation of EMS system forms the Environment Cell
2.0	Corporate Environment Policy	The organization has a centralized Corporate EHS Policy which is implemented at the site level.
3.0	Management of Air Environment	
3.1	Measures for Flue gas emission control	• The unit has installed ESP for 13 TPH Boiler • The unit has adopted good engineering practices like having timely Preventive Maintenance schedules to ensure proper combustion and reduction in flue gas pollutants. • 10 TPH Boiler has been discontinued, surrender letter is attached as Annexure-XIX of EC Compliance.
3.2	Measures for Process Emission control	The unit has installed two stage scrubbing systems for vent gas coming from Autoclave Reactor & ONA day tank and Ammonia Recovery plant. Analysis reports of Scrubbers are attached as Annexure-VI .
3.3.	Measures to Fugitive Emission Control	• Various measures have been taken for Fugitive emission control like • Use of closed loop handling system • Solvent storage tanks connected with vent condensers with child brine circulation • Provision of breather valve cum flame arrestor on solvent tanks • Provision of exhaust ventilation • Routine & periodic inspection to check leakage • Preventive maintenance, follow SOP for maintenance • Pumps & motors mechanical seal type • Unloading through pipeline to tank in a closed system.
4.0	Management of wastewater	• The unit has an ETP and has installed a Reverse Osmosis Plant.

		• The reject from the RO is treated in the MEE Of the sister concern unit Aarti Industries Ltd. (Organic Division XGN ID 22991). • The fresh water used is only from the GIDC supply. • Ground water recharge of the rain water is not allowed in the GIDC area. However the unit has installed a roof top rainwater harvesting system. • The unit has installed a (Soil Bed Technology (SBT) based Sewage treatment plant. The treated sewage is used for gardening purposes.
5.0	Management of Noise Environment	• Acoustic enclosures are provided for DG's • The unit has adopted good engineering practices like having timely Preventive Maintenance schedules to ensure the unit is in good mechanical health. • Provision of PPE • The unit has developed Green belt on the periphery for noise abatement • Regular noise level monitoring of different places within and outside premises
6.0	Management of solvent recovery	• Autoclaves are connected to a chilled brine condenser system. • The condensers are provided with sufficient HTA and residence time so as to achieve more than 95-96 % recovery. • Solvent handling pumps are provided with double mechanical seal type to prevent leakages. • Double earthing is provided in all the electrical equipment wherever solvent handling is done. • All electrical equipment in the plant where solvents are used will be flame proof. The solvent storage tanks are provided with a breather valve to prevent vapour losses.
7.0	Management of Hazardous Waste	• The paper, plastic, and insulation waste is being handed over to the authorized TSDF side for further handling and disposal. • The Fly ash waste is being handed over to authorized brick manufacturer • Hazardous waste is being stored in a proper storage room with a proper roof and impervious flooring. It is disposed off to authorized TSDF or CHWIF for final disposal. • Hazardous waste will be stored separately in dry & covered places with the RCC platform. There will be provision of a separate storage area of 620 sq.m. • Forklift truck is used in shifting, loading and unloading operations for hazardous waste to minimize manual handling of hazardous waste.

		● Necessary PPE is provided to workers while handling hazardous waste.
8.0	Energy Conservation measures	● The unit is purchasing energy efficient appliances. ● The unit is constantly monitoring energy consumption and defining targets for energy conservation. ● Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort levels. ● Providing economizers in boilers to utilize heat. ● Condensate recovery is being carried out and will be sent back to the boiler. ● Proper temperature controls will be provided to reduce load on heating systems. ● Recycling of water will be done
9.0	Water Conservation Programme	The unit uses reclaimed water for non potable application like gardening, lawns ● The unit is reducing toilet cistern volume in single flush models. ● The unit carries out quick fixing of leaking taps, pipes and toilet cisterns; Sweep with a broom and pan is carried out wherever possible, rather than using water in a hose ● The unit is installing sub-meters on key areas of water use. As more data is generated about water use, control measures can be initiated.

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	IA/GJ/IND2/55595/2016
Compliance ID	113347266
Compliance Number(For Tracking)	EC/M/COMPLIANCE/113347266/2024
Reporting Year	2024
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	01-12-2024
RO/SRO Name	Shrawan Kumar Verma
RO/SRO Email	kr099.ifs@nic.in
State	GUJARAT
RO/SRO Office Address	Integrated Regional Offices, Gandhi Nagar

Note:- SMS and E-Mail has been sent to Shrawan Kumar Verma, GUJARAT with Notification to Project Proponent.

Sinja Travels
Airport Drop/ Pickup
 Serving at **2300**
 24x7 Service
 Taxis, Innova, Ertiga Available
Contact: 98241 55544, 98872 55544, VAR