

Ref: AIL/DHJ/DIA/2024/ENV/007
Date:27.05.2024

ID :- 58381

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

Subject: Half Yearly Environment Clearance conditions compliance report for the period of October -2023 to March-2024

Reference:-

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

Respected Sir,

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

Unit has obtained EC letter No. **SEIAA/GUJ/EC/5(f)/391/2018 dated 31/05/2018** , **SEIAA/GUJ/EC/5(f)/192/2023 dated 14/02/2023** by M/s. Aarti Industries Limited Plot No. Z/103/C, Dahej SEZ-II, Tal. Vagra, Dist. Bharuch, Gujarat.

Thanking You

Yours faithfully,
For Aarti Industries Limited

Authorized Signatory



Encl: EC Compliance with Annexures.

COPY TO:

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

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

Compliance report of Environmental Clearance File No. SEIAA/GUJ/EC/5(f)/192/2023 Dated. 14/02/2023, Oct-23 to Mar-2024

Sr. No.	Product Name	CAS No.	Quantity in MT/Annum				End Use of Product	Status													
			As per Existing EC	As per CCA Amendment No. AWH-113931 & AWH-113932	Proposed Change/Additional	Total After Expansion															
A Organic Chemicals																					
I Hydrogenation Products & their Derivatives (43200 MT/Annum)																					
1	2, 5 Dichloro Aniline (2,5 DCA) And/Or	95-82-9	21780				<p>Complied</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Production (MT) 2, 5 Dichloro Aniline</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td>800.631</td> </tr> <tr> <td>Nov, 23</td> <td>424.37</td> </tr> <tr> <td>Dec, 23</td> <td>556.094</td> </tr> <tr> <td>Jan, 24</td> <td>499.402</td> </tr> <tr> <td>Feb,24</td> <td>705.27</td> </tr> <tr> <td>Mar,24</td> <td>763.82</td> </tr> </tbody> </table> <p>All products are under prescribed limits.</p>	Month	Production (MT) 2, 5 Dichloro Aniline	Oct, 23	800.631	Nov, 23	424.37	Dec, 23	556.094	Jan, 24	499.402	Feb,24	705.27	Mar,24	763.82
Month	Production (MT) 2, 5 Dichloro Aniline																				
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Feb,24	705.27																				
Mar,24	763.82																				
2	2. 5 Dichloro Aniline (Crude) (2,5 DCA) And/Or	95-82-9																			
3	3,4 Di Chloro Aniline (3,4 DCA) And/Or	95-76-1		21780	21420	43200															
4	3,4 Dichloro Aniline (Crude) (3,4 DCA) And/Or	95-76-1	0																		
5	3,5 Dichloro Aniline (3,5 DCA) And/Or	626-43-7																			

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

6	3,5 Dichloro Aniline (Crude) (3,5 DCA) And/Or	626-43- 7						
7	Para Chloro Aniline (PCA) Either/Or	106-47- 8						
8	Para Chloro Aniline (Crude) (PCA) And/Or	106-47- 8						
9	2,4,5 Tri Chloro Aniline (2,4,5 TCA) And/Or	636-30- 6						
10	2,4,5 Tri Chloro Aniline (Crude) (2,4,5 TCA) And/Or	636-30- 6						
11	2,4 Di Chloro Aniline (2,4 DCA)/2, 6 Di Chloro Aniline (2,6 DCA) And/Or	554-00- 7/608-3 1-1						
12	Mixture of Di Chloro Aniline	Multiple 554-00- 7 & 95-82-9						

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

	And/Or	& 608-31-1						
13	2,4 Di Chloro Aniline (2,4 DCA)(Crude)/2,6 Di Chloro Aniline (Crude)(2,6 DCA) And/Or	554-00-7/ 608-31-1		0	43200			
14	3-Chloro Ortho Toludine (3-COT) And/Or	87-60-5						
15	3-Chloro Ortho Toludine (Crude) (3-Cot)	87-60-5						

II Diazotization Products & their derivatives (22380) MT/Annum)


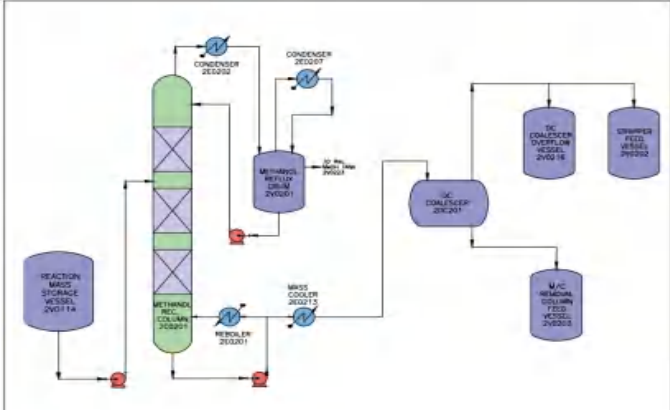
1	2,5 Di Chloro Phenol (2,5 DCP) And/Or	583-78-8	18000	15600	4380	19980	Di Chloro Phenols are used as intermediates in the manufacture of more complex chemical compounds. It will be used as a raw material for chemical intermediates.	<p align="center">Complied</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th>Production (MT)</th> </tr> <tr> <th>2, 5 Dichloro Phenol</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td align="center">248.9</td> </tr> <tr> <td>Nov, 23</td> <td align="center">265.42</td> </tr> <tr> <td>Dec, 23</td> <td align="center">190.9</td> </tr> <tr> <td>Jan, 24</td> <td align="center">36.4</td> </tr> <tr> <td>Feb,24</td> <td align="center">77.8</td> </tr> <tr> <td>Mar,24</td> <td align="center">0</td> </tr> </tbody> </table>	Month	Production (MT)	2, 5 Dichloro Phenol	Oct, 23	248.9	Nov, 23	265.42	Dec, 23	190.9	Jan, 24	36.4	Feb,24	77.8	Mar,24	0
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2	2,3 Di Chloro Phenol (2,3 DCP) And/Or	576-24-9	0																				
3	Crude of 2,5/2,3	583-78-8/ 576-24-9	0	0	19980																		

All products are under prescribed limits.


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

4	3,5 Dichloro Nitro benzene (3,5 DCNB) and/Or	618-62-2	0	2400	0	2400	Dyes, Dyes intermediates, Basic Pharma, Intermediates, Pigments, Polymers																								
5	Crude 3,5 Dichloro Nitro benzene (3,5 DCNB) and/Or	618-62-2	0	0	2400																										
A	Total of Organic Chemicals (A)		39870	39780	25800	65580																									
Inorganic Chemicals																															
1	Nitrosyl Sulphuric Acid	7782-78-7	17640	70620	13380	84000	Used in organic chemistry to prepare diazonium salts from amines	Complied <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Production (MT)</th> </tr> <tr> <th>NSA</th> <th>H2SO4</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td>704</td> <td>1612.255</td> </tr> <tr> <td>Nov, 23</td> <td>1240</td> <td>1724.64</td> </tr> <tr> <td>Dec, 23</td> <td>812</td> <td>1222.947</td> </tr> <tr> <td>Jan, 24</td> <td>524.7</td> <td>282.838</td> </tr> <tr> <td>Feb,24</td> <td>136</td> <td>533.047</td> </tr> <tr> <td>Mar,24</td> <td>0</td> <td>0</td> </tr> </tbody> </table> All products are under prescribed limits.	Month	Production (MT)		NSA	H2SO4	Oct, 23	704	1612.255	Nov, 23	1240	1724.64	Dec, 23	812	1222.947	Jan, 24	524.7	282.838	Feb,24	136	533.047	Mar,24	0	0
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2	98% Sulphuric Acid	7664-93-9	28200	31320	56592	87912	Used in chemical industry for production of basic synthetic organic chemicals																								
B	Total of Inorganic Chemicals (B)		45840	101940	69972	171912																									
A+B	Total of Organic and inorganic Chemicals		85620	141720	95772	237492		Complied Average production of 3154.21MT/Month in the compliance period (Oct 2023 to March 2024)																							


Sr. No.	Points	Compliance
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A. CONDITIONS:	
A.1 SPECIFIC CONDITIONS	
<p>1</p>	<p>Unit shall install CEMS [Continuous Emission Monitoring System] in line to CPCB directions to all SPCB vide letter no B29016/04/06PC1-1/5401 dated OSVOZ2014 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB/CPCB on real time basis. [For small/large/Medium/ (Red category) & Whichever (Air emission & Effluent Discharge) is applicable].</p>
<p>Compiled Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission.</p> 	
<p>2</p>	<p>Close loop solvent recovery system with an adequate condenser system shall be provided to recover solvent vapors in such a manner that recovery shall be maximum and recovered solvent shall be reused in the process within premises.</p>
<p>Complied Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is as follows:</p> 	
<p>3</p>	<p>Leak detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR Logbooks shall be maintained.</p>
<p>Complied As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as</p>	

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

		<p>per the desired set point all are connected to the Hooter & DCS System.</p> <p>Hydrogen Detector System, Methanol Detector System, SO2 Detector System & Xylene Detector system.</p> <p>ANNEXURE-1</p>				
4	The National Ambient Air Quality Emission Standards issued by the ministry vide G.S.R No 826 (E) dated 16th November, 2009 shall be complied with.	<p>Complied</p> <p>The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) .</p> <p>Report of Ambient air quality monitoring is attached in ANNEXURE-II</p>				
5	National Emission Standards for organic chemicals manufacturing industry issued by the ministry vide G.S.R 608 (E) dated 21/07/2010 and amended from time to time shall be followed.	<p>Complied</p> <p>The unit is carrying out Process Stack Monitoring by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) .</p> <p>Report of Process Emission are attached ANNEXURE-III</p>				
6	Unit Shall have to adhere to the prevailing area specific policies of GPCB with respect to the discharge of pollutants, and shall carry out the project development in accordance & consistence with the same.	<p>Complied</p> <p>Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server.</p>				
7	All measures shall be taken to avoid soil and groundwater contamination within premises.	<p>Complied</p> <p>Unit has taken all necessary precautions and monitored the soil from time to time to eliminate soil & water contamination, all process areas are provided with proper flooring and catchment pit so that spills, if any, gets collected, transferred and properly treated in inhouse treatment systems. PCC flooring is provided for prevention of Soil contamination.</p> <p>Photographs for same are attached below:</p> 				
8	<p>Safety & Health:</p> <table border="1" data-bbox="212 1745 802 1871"> <tr> <td>A.</td> <td>PP shall obtain Peso Permission for the storage and Handling of hazardous chemicals.</td> </tr> </table>	A.	PP shall obtain Peso Permission for the storage and Handling of hazardous chemicals.	<table border="1" data-bbox="841 1713 1601 1885"> <tr> <td>A.</td> <td>Complied The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989.</td> </tr> </table>	A.	Complied The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989.
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B.	PP shall provide Occupational Health Centre (OHC) as per the provision under the Gujarat Factories Rule 68-U.		PESO Certificate attached in ANNEXURE-IV
C.	PP shall obtain fire safety certificate/Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules/Gujarat Fire Prevention and Life Safety Measures Act, 2106.	B.	Complied Unit has also developed OHC with all medical facilities with a factory medical officer and Staff Nurse.
D.	Unit shall adopt functional operations /process automation system including emergency response to eliminate risk associated with the hazardous processes.	C.	Complied Unit has the Provisional Fire No Objection Certificate (NOC) and applied for the final NOC. ANNEXURE-V
E.	PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.	D.	Complied Unit have the automation system and the whole process was controlled by the DCS system.
F.	PP shall install adequate fire hydrant system with foam trolley attachment within premises and separate storage of water for the same shall be ensured by PP.	E.	Complied Mock drill was conducted in every quarter by the safety dept and evacuation plan and emergency exit all are displayed in the manufacturing area.
G.	PP shall take all the necessary steps for control of storage Hazards within premises ensuring incompatibility of storage raw material and ensure the storage keeping safe distance as per the prevailing guidelines of the concerned authority.	F.	Complied
H.	PP shall take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker /employee or labour within premises.	G.	Complied Unit has been constructed as per prevailing rules of government authorities for storage of flammable chemicals. Photographs has been attached as below: 
I.	Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.	H.	Complied Unit has provided Proper PPE to the worker/employee and regularly training is provided.
J.	Unit shall provide effective isolation for process area and storage of hazardous chemicals..	I.	Complied Unit has installed flameproof electrical fittings in the plant premises.
K.	Unit shall provide water sprinkler to the ammonia storage cylinder.	J.	Complied Unit has a proper isolated tank farm area for the storage of the Hazardous chemical and also the dyke pit constructed to control spillage of any chemicals.
L.	Unit shall never store drum/barrels/carbouys of incompatible material/chemical together.		
M.	Unit shall provide effective fire hydrants, water monitors & Foam application system		

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	<p>at solvent storage area and unit shall provide adequate safety system such as water sprinklers, water curtains, foam pouring system etc. to restrict cascade fire emergency in solvent storage area.</p>	<p>K. Noted</p>
		<p>L. Complied Unit has a proper isolated tank for the storage of the materials/chemicals</p>
N.	Unit shall provide effective isolation for process area and storage of Hazardous chemicals.	<p>M. Complied Unit have the Effectively fire hydrants, water monitors & Foam application system at solvent storage</p>
		<p>N. Complied Unit has a proper isolated tank farm area for the storage of the Hazardous chemical and also the dyke pit constructed to control spillage of any chemicals.</p>


A.2 WATER

9	Total water requirement for the project shall not exceed 2433 KL. Unit shall reuse 438 KLD of treated industrial Effluent within premises. Hence, fresh water requirement shall not exceed 1995 KLD and it shall be met through GIDC water supply only. Prior permission from the concerned authority for withdrawal of water shall be obtained.	<p>Complied Total Water Requirement is not exceeding 2433 KL/Day and fresh water requirement is not exceeding 1995 KL/Day and Recycle water is 438 KL/Day. Water consumption is under the prescribed limit.</p> <p style="text-align: center;">WATER CONSUMPTION DETAILS</p> <table border="1"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Fresh Water Consumptions (1253 KLD)</td> <td>Total KL/Month</td> <td>17984</td> <td>16531</td> <td>13352</td> <td>9808</td> <td>9489</td> <td>10121</td> </tr> <tr> <td>Average KLD</td> <td>580.13</td> <td>551</td> <td>430.71</td> <td>316.38</td> <td>338.89</td> <td>326.48</td> </tr> </tbody> </table> <p>Water consumption is under the prescribed limit.</p>	Particular	Unit	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Fresh Water Consumptions (1253 KLD)	Total KL/Month	17984	16531	13352	9808	9489	10121	Average KLD	580.13	551	430.71	316.38	338.89	326.48
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10	The industrial effluent generation from the project shall not exceed 359 KLD after expansion.	<p>Complied The effluent generation of the Unit is not exceeding 724 KL/Day. Waste Water consumption is under the prescribed limit.</p> <p style="text-align: center;">EFFLUENT GENERATION DETAILS</p> <table border="1"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Industrial Effluent Generation (724 KLD)</td> <td>Total KL/Month</td> <td>3603.2</td> <td>3336.9</td> <td>4432.8</td> <td>3257.6</td> <td>3163.4</td> <td>3388.2</td> </tr> <tr> <td>Average KLD</td> <td>116.23</td> <td>111.23</td> <td>142.99</td> <td>105.08</td> <td>112.97</td> <td>109.29</td> </tr> </tbody> </table>	Particular	Unit	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Industrial Effluent Generation (724 KLD)	Total KL/Month	3603.2	3336.9	4432.8	3257.6	3163.4	3388.2	Average KLD	116.23	111.23	142.99	105.08	112.97	109.29
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11	<p>Management of Industrial effluent shall be as under after expansion:</p> <ul style="list-style-type: none"> ➤ 255 KLD effluent generated (197 KLD from process, 25 KLD from scrubbers and 33 KLD from washing) shall be treated into in-house ETP plants (ETP-1 & ETP-2) and shall be taken into tertiary ETP. ➤ 193 KLD effluent (164 KLD from cooling Blow down and 29 KLD from Boiler Blow down) shall be treated into inhouse ETP plant (ETP- and RO plant. RO reject (104 KLD) and shall be treated in tertiary treatment. ➤ Thus total 359 KLD treated effluent shall be discharge into CETP-Dahej after complying with the inlet norms of CETP prescribed by GPCB and ultimately disposal into the sea through GIDC drainage pipeline. 	<p>Complied Details of effluent generation is as under:</p> <p style="text-align: center;">EFFLUENT GENERATION DETAILS</p> <table border="1" data-bbox="841 296 1604 709"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Industrial Effluent Generation</td> <td>Process Effluent (KLD)</td> <td>1379.2</td> <td>1376.9</td> <td>1320.8</td> <td>792.6</td> <td>829.4</td> <td>550.2</td> </tr> <tr> <td>Average KLD</td> <td>44.49</td> <td>45.89</td> <td>42.6</td> <td>25.56</td> <td>29.62</td> <td>17.74</td> </tr> <tr> <td>Utility Blowdown (KLD)</td> <td>2224</td> <td>1960</td> <td>3112</td> <td>2465</td> <td>2334</td> <td>2838</td> </tr> <tr> <td>Average KLD</td> <td>71.74</td> <td>65.33</td> <td>100.4</td> <td>79.51</td> <td>83.35</td> <td>91.54</td> </tr> </tbody> </table>	Particular	Unit	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Industrial Effluent Generation	Process Effluent (KLD)	1379.2	1376.9	1320.8	792.6	829.4	550.2	Average KLD	44.49	45.89	42.6	25.56	29.62	17.74	Utility Blowdown (KLD)	2224	1960	3112	2465	2334	2838	Average KLD	71.74	65.33	100.4	79.51	83.35	91.54
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12	<p>Domestic wastewater generation shall not exceed 57 Kl/Day for proposed project and it shall be treated in STP. It shall not be disposed off into a soak pit. Treated Sewage shall be utilized for gardening and plantation purpose within the premises after achieving on-land discharge norms prescribed by the GPCB.</p>	<p>Complied Domestic wastewater is treated in STP. Treated water used for gardening/cooling tower purposes.</p> <p style="text-align: center;">Domestic Waste Water Generation</p> <table border="1" data-bbox="841 909 1604 1150"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="writing-mode: vertical-rl; transform: rotate(180deg);">Domestic WasteWater (47 KLD)</td> <td>Total KL/Month</td> <td>647</td> <td>658</td> <td>872</td> <td>777</td> <td>668</td> <td>804</td> </tr> <tr> <td>Average KLD</td> <td>20.87</td> <td>21.93</td> <td>28.12</td> <td>25.06</td> <td>23.85</td> <td>25.93</td> </tr> </tbody> </table>	Particular	Unit	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Domestic WasteWater (47 KLD)	Total KL/Month	647	658	872	777	668	804	Average KLD	20.87	21.93	28.12	25.06	23.85	25.93														
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13	<p>During monsoon season when treated sewage effluent may not be required for the plantation/Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case.</p>	<p>Complied The treated STP water is being used for green belt development / Cooling tower. During Monsoon the treated STP water shall be used for cooling tower make up. Also, the Unit has constructed a guard tank for storage of treated water.</p>																																					
14	<p>Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.</p>	<p>Complied Unit has an adequate buffer with two water storage tanks each of 300 kl capacity for holding the treated wastewater during the rainy days.</p>																																					
15	<p>Unit shall discharge wastewater to CETP only after complying with norms prescribed by GPCB in order to achieve no adverse impacts on Environment and human health.</p>	<p>Complied Unit has the permission for the deep sea discharge through the GIDC pipeline. Before discharge, ensuring the norms as prescribed by the GPCB.</p>																																					
16	<p>The PP shall ensure to dispose off waste water to the common facilities having valid CTO of GPCB.</p>	<p>Noted Currently the unit has the permission for the deep sea discharge through the GIDC common pipeline. Before discharge, ensuring the norms as prescribed by the GPCB.</p>																																					
17	<p>Treated wastewater shall be sent to CETP-Dahej only after complying with the inlet norms of common</p>	<p>Noted</p>																																					

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	<p>facilities prescribed by GPCB to ensure no adverse impact on Human Health and Environment.</p>	<p>Unit has the permission for the deep sea discharge through the GIDC common pipeline.</p>																																														
<p>18</p>	<p>The Unit shall provide metering facility at the inlet and outlet of ETP and maintain records for the same.</p>	<p>Complied Unit has provided a metering system and maintained the same in the logbook.</p> 																																														
<p>19</p>	<p>Proper logbooks of ETP; reuse/recycle of treated/untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.</p>	<p>Complied Unit is maintaining a logbook of ETP, chemical consumption, quantities and qualities of effluent discharge and reuse, power consumption etc, and is furnished to the GPCB from time to time. Electricity consumption in ETP summary</p> <table border="1" data-bbox="841 1157 1604 1560"> <thead> <tr> <th colspan="2">Power Consumption ETP</th> </tr> <tr> <th>Month</th> <th>Total KWH</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td>120045</td> </tr> <tr> <td>Nov, 23</td> <td>150140</td> </tr> <tr> <td>Dec, 23</td> <td>113722</td> </tr> <tr> <td>Jan, 24</td> <td>69638</td> </tr> <tr> <td>Feb,24</td> <td>56183</td> </tr> <tr> <td>Mar,24</td> <td>82342</td> </tr> </tbody> </table> <table border="1" data-bbox="841 1591 1604 1839"> <thead> <tr> <th colspan="10">Chemical Consumption ETP</th> </tr> <tr> <th>Month</th> <th>PE (KG)</th> <th>Urea (KG)</th> <th>DAP (KG)</th> <th>Lime (KG)</th> <th>PAC (KG)</th> <th>Caustic (Ltr)</th> <th>HCl (ltr)</th> <th>Jagge ry(KG)</th> <th>Defor mer (ltr)</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td>1.5</td> <td>1</td> <td>3</td> <td>15</td> <td>640</td> <td>3220</td> <td>5460</td> <td>28</td> <td>0</td> </tr> </tbody> </table>	Power Consumption ETP		Month	Total KWH	Oct, 23	120045	Nov, 23	150140	Dec, 23	113722	Jan, 24	69638	Feb,24	56183	Mar,24	82342	Chemical Consumption ETP										Month	PE (KG)	Urea (KG)	DAP (KG)	Lime (KG)	PAC (KG)	Caustic (Ltr)	HCl (ltr)	Jagge ry(KG)	Defor mer (ltr)	Oct, 23	1.5	1	3	15	640	3220	5460	28	0
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Nov, 23	4.1	1	2	0	350	6240	1872	4	120
Dec, 23	5.32	54	54	10	410	7408	4872	11	1
Jan, 24	0.77	1	4	450	110	11670	2280	22	0
Feb, 24	0.8	3	11	35	80	2863	1620	11	0
Mar, 24	0.51	4	13	0	72	30710	786	14	0

A.3 AIR

20 Unit shall not exceed fuel consumption for steam boilers and DG sets as mentioned below.

Sr. No	Stack Attached to	Stack Height in Meter	Fuel Consumption	Air Pollution Control System
Existing				
1	D.G. Set (3 Nos.) Capacity : 2000 KVA each	33	Diesel 1800 L/Hr	Stack with 33 M Height
Proposed Additional Total				
1	D.G. Set (1 Nos.) Capacity : 2000 KVA each	33	HSD 600 L/Hr	Stack with 33 M Height
2	D.G. Set (2 Nos.) Capacity : 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 M Height
3	Boiler	48	Coal 6	Dry

Complied
Records of diesel consumption month-wise given as below:

Diesel Consumption

Month	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24
Limit	3900 L/Hr					
Total Diesel Consumption (Litre/Month)	495	495	525	510	460	485
Diesel Consumption (Litre/Hr)	0.67	0.69	0.71	0.71	0.64	0.67

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	(30 TPH)		MT/Hr	Scrubber (Lime Dosing along with coal) + ESP		
Total after Proposed Expansion						
1	D.G. Set (4 Nos.) Capacity : 2000 KVA each	33	HSD 2400 L/Hr	Stack with 33 M Height		
2	D.G. Set (2 Nos.) Capacity : 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 M Height		
3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubber (Lime Dosing along with coal) + ESP		
<p>Note: At present, 30 TPH steam is being taken from M/s. Aarti Industries Limited (unit-1), SEZ-II , Dahej (ID: 41201) and after expansion 70 TPH steam shall be taken from sister concern unit M/s. Aarti Industries Limited (Unit-1), Sez-II, dahej (ID: 41201)</p>						
21	Unit shall provide Adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.			Complied. Unit has provided adequate stack height around 33 meter DG stack for flue gas emission. Monthly monitoring reports for flue gas emission are attached in ANNEXURE-VI		
22	Unit shall provide Adequate APCM with Process gas generation sources as mentioned below.			Complied Unit has an adequate scrubber as APCM with the process gas generation sources. Monthly Monitoring are carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of monitoring from scrubber is attached in ANNEXURE-III All parameters well within the limit.		
	Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Contr	Parameter	Permissible limit

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

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	alkali scrubber for SO2 tank Farm		ber		m3
7	DCA plant vacuum storage pump	11	Water Scrubber	VOC	–
8	HNO3 tank	11	3 stage lime scrubber	NOx	25 Mg/N m3
9	Liq SO3 and 25% oleum tank	11	Acid Scrubber	SO2	40 mg/N m3
10	Sulphuric Acid Concentration plant (SAC)	11	Alkali Soray scrubber	SO2 VOC	40mg/ Nm3 –
11	DCP plant: DCA Sulphate Vent	11	Venturi water scrubber	SO2 VOC	40 mg/N m3 –
Proposed Total after Expansion					
1	Scrubber Connected to Sulphur dioxide reactor	30 (Common stack)	Alkali Scrubber	SO2 Acid mist/Sulphur trioxide (for plant Capacity per	1250 mg/N m3 (2kg/MT of 100% Conc. acid produ

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	on and Sulhuric Acid plant			100% Concentration of Sulphuric acid (<300 Tone /Day)	70 mg/N m3
2	Scrubber Connected to NSA		Alkali Scrubber	SO2	40 Mg/N m3
3	Scrubber Connected to DCP	11	Alkali Scrubber	NOx	25 Mg/N m3
4	Scrubber Connected to tanks	11	Alkali Scrubber	VOC	–
5	Scrubber Connected to tanks	11	Alkali Scrubber	VOC	–
6	Common alkali Scrubber for SO2 Tank Farm	11	Alkali Scrubber	SO2	40 mg/N m3
7	DCA plant vacuum pump storage tank	11	Water Scrubber	VOC	–
8	HNO3	11	3	NOx	25

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



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



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

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

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the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

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

AAQMS Monitoring							
Locati on	Param eter	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
Near Mainga te	PM10 (100 µg/m3)	71	65	69	61	85	77
	PM2.5 (60 µg/m3)	26	21	23	19	27	27
	SO2 (80 µg/m3)	19.3	13.8	15.9	18.1	14.4	22.5
	NO2 (80 µg/m3)	22.4	18.1	20.4	21.5	20.7	26.5
Near ETP	PM10 (100 µg/m3)	69	62	62	74	82	80
	PM2.5 (60 µg/m3)	26	19	18	24	26	30
	SO2 (80 µg/m3)	18.5	15.5	15.2	13.8	16.1	20.5
	NO2 (80 µg/m3)	21.6	19.2	20.4	19.5	21.5	26.3
Near DCS PCC Contro l Room	PM10 (100 µg/m3)	65	73	67	62	76	78
	PM2.5 (60 µg/m3)	23	24	21	15	24	28
	SO2 (80 µg/m3)	17.4	16.8	16.3	15.1	13.1	18.3
	NO2 (80 µg/m3)	20.2	21.4	19.2	20.4	17.6	23.8

A.4 SOLID/HAZARDOUS WASTE:

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

Sr. No	Name of Hazardous Waste	Category	Source of Waste Generation	Quantity in MT/year Except for Batteries in Nos.				Hazardous Waste Disposal & Management Facility
				Existing as per EC	Existing as per CCA	Proposed Change/Addition	Total After EC Expansion	
1.	ETP Waste	35.3	From ETP	4800	4800	3376	8176	Collection, Storage, Transportation and Disposal to TSDF/Co-processing.
2.	Distillation residue	26.1	From Process	4200	4074.48	6045.52	10120	Collection, Storage, Transport

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

Waste	Limit (MT)	Oct 2023		Nov 2023		Dec 2023		Jan 2024		Feb 2024		Mar 2024	
		Gen	Dis	Gen	Dis	Gen	Dis	Gen	Dis	Gen	Dis	Gen	Dis
ETP	8176	10.680	0.000	5.520	10.030	3.160	16.510	15.520	10.140	5.500	7.960	8.200	11.050
Process Residue	10120	54.750	18.270	31.500	26.400	16.500	9.820	56.540	60.560	15.500	10.950	27.250	33.370
Discarded Container	100	2.500	1.220	0.500	0.860	1.140	1.140	0.000	0.660	0.960	1.100	0.000	0.000
Used Oil	30	0.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.450	0.000	0.000
Insulation Waste	40	0.750	0.000	1.500	0.000	0.600	4.360	4.500	4.260	0.250	0.000	0.200	0.000
M	1	13.	13.	14.	13.	7.9	28.	15.	14.	10.	12.	13.	0.0

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5.	Discarded Containers/Bags	33.1	From Plant	Waste Generator	Waste Generator	100	100	Collection, Storage, Decontamination, Transportation, Disposal by Sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated
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								Ba gs/ Co ntai ner s to TS DF /C H WI F/P re- pro ces sin g/C o-p roc essi ng.
6.	Us ed Oil	5.1	Fro m pla nt	6	6	24	30	Col lect ion , Sto rag e, Tra nsp ort atio n, Dis pos al by sell ing to reg iste red rep roc ess ors.
7	Ins ulat ion Waste	S1	Fro m Pla nt	Wh ats oev er Ge	Wh ats oev er Ge	40	40	Col lect ion ,St ora

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				ner ate d	ner ate d			ge, Tra nsp ort atio n,D isp osa l by TS DF Sit e.
8.	No Re cyc labl e pla stic wa ste/ PP E/ Ba gs/ Cot ton Wa ste	S4	Fro m Pla nt	25	25	35	60	Col lect ion , Sto rag e, De con tam inat ion ,Tr ans por tati on, Dis pos al by Sol d to aut hor ize rec ycl ers or Col lect ion , Sto rag

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									e, Tra nsp ort atio n, Dis pos al of Co nta mi nat ed Ba gs/ Co ntai ner s to TS DF /C H WI F/P re- pro ces sin g/C o-p roc essi ng.
9.	Spe nt Car bon	36. 2	Fro m Pro ces s	60	60	60	120	Col lect ion , Sto rag e, Tra nsp ort atio n Sen d to TS DF	

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									/C H WI F/ Co- pro ces sin g/ Pre -Pr oce ssi ng.
10.	Spent Catalyst	1-2 6.5	From Processes	3.6	3.6	13. 68	17. 28	Collection , Storage, Transportation Sent for regeneration and recycled back OR disposal to TSDF	
11.	ME E/ DE E/ AT FD	35. 3	From Processes	126 0	126 0	565	182 5	Collection , Storage	

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	Sal t (so diu m Sul pha te)								e, Tra nsp ort atio n & Sol d to aut hor ize d act ual end use rs hav ing rul e -9 per mis sio n or TS DF
13.	Spent Sulphuric Acid	B-1 5 Sch edu le-I	From Pro ces s	0	0	127 45	127 45	Col lect ion , Sto rag e, Tra nsp ort atio n & Sol d to aut hor ize d act ual	

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								end use rs hav ing rul e -9 per mis sio n or US ED inte rna lly as raw mat eria l.
14.	Spent Resin	35. 2	From Pro ces s	0	0	5	5	Col lect ion , Sto rag e, Tra nsp ort atio n, Sen t for Co- pro ces sin g/P re- Pro ces sin g/T SD F/ CH WI F

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15.	RO Membrane/ cartridge Filter	36.2	From RO Unit	0	5	5	10	Collection, Storage, Transportation disposal by at TS DF
16.	Filter Cloths	36.2	From Unit	0	5	5	10	Collection, Storage, Transportation disposal by at TS DF /C H W I F.
17.	Cotton Waste	33.2	From Unit	1	1	4	5	Collection, Storage, Transportation

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								n, Dis pos al at TS DF /C H WI F
18.	Gla ss Wa ste	S7	Fro m Pla nt	2	2	3	5	Col lect ion Sto rag e, Tra nsp ort atio n, Dis pos al/ Sol d to Scr ap Pro ces sor s
19.	PP E Wa ste	33. 2	Fro m Pla nt	0	0	40	40	Col lect ion ,St ora ge, Tra nsp ort atio n and dis pos al at Co m

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30	Authorized end users shall have permissions from the concerned authorities under the Rule-9 of the Hazardous and other wastes (Management and Transboundary Movement) Rule 2016.	Complied Unit will ensure the rule-9 permission before sending any hazardous waste to the end users for the co-processing purposes.										
31	Unit Shall Explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes before sending to CHWIF & TSDF sites respectively.	Complied. Unit is exploring all the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes										
32	The project Proponent has to obtain membership of TSDF site & CHWIF before obtaining CTO of GPCB.	Complied Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in Point No. 66										
33	The unit shall submit the list of authorized end users of hazardous wastes along with MOU signed with them at least two months in advance prior to the commencement of production. In the absence of potential buyers of there items, the unit shall restrict the production of the respective items.	Noted. Unit will submit the list of authorized end users of hazardous wastes alongwith MOU signed with them at least two months prior advance.										
A. 5 OTHER:												
34	The project proponent shall carry out the activities of amount of Rs.0.87 Crores (funds for Environment & renewable energy resources, Health & Hygiene) Proposed under CER and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's OM no. F . NO. 22-65/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of the Half yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.	Complied The project proponent has complied with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules 2014" and its amendments from time to time. The CER/CSR activities list have been below <table border="1"> <thead> <tr> <th>Name of Associated NGO</th> <th>Nature of Work</th> <th>Amount (Rs)</th> </tr> </thead> <tbody> <tr> <td>Sewa Rural</td> <td>Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School</td> <td>0.42 lacs-</td> </tr> <tr> <td>Self</td> <td>Greenbelt development opposite to Tatva</td> <td>80 lacs</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs)	Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-	Self	Greenbelt development opposite to Tatva	80 lacs	
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		Chintan Plant
35	All the recommendations , mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Enpro Enviro Tech and Engineers Pvt. Ltd and submitted by the project proponent and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Complied Unit strictly adheres to the commitments made to the SEAC. ANNEXURE-IX
B. GENERAL CONDITIONS:		
B.1 CONSTRUCTION PHASE:		
36	Water Demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Complied Unit has used Fosrock make Plasticizer & Curing agent to reduce the water consumption during our construction phase. During the current monitoring phase, project based construction was not in place.
37	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Complied Unit is practicing Covering trucks and water sprinkling to eliminate dusting. During the current monitoring phase, project based construction was not in place
38	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied Adequate sanitary and hygienic conditions were provided.
39	First Aid Box shall be made readily available in adequate quantity at all the times.	Complied Unit has provided an adequate first aid box and is maintained in good condition.
40	The project proponent shall strictly comply with the Building and other Construction Workers’ (Regulation of Employment & Conditions of Services) Act 1996 and Gujarat rules made there under their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	Complied Unit has converted to operation phase from construction phase and obtained Factory License No. 41555 , dated: 1st February, 2020. Attached as ANNEXURE-X
41	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.	Complied Noise monitoring is being carried out by an approved NABL / GPCB/ MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) The noise levels in the plant conform to the standards prescribed in the EPA Act, 1986. During the construction phase, mock drills were arranged by the safety department, now the unit is in operation phase, therefore monitoring the noise levels from time to time. Copy of the report has been attached as ANNEXURE-XI
42	Use of Diesel Generator (DG) sets during the construction phase shall be strictly equipped with	Complied Unit was not using DG sets in construction phase- unit will ensure the compliance of emission standards during usage of DG sets. Monthly

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	acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	monitoring reports for flue gas emission are attached in ANNEXURE-VI
43	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	Complied Sewage waste water was collected and Treated of through a STP Plant.
44	All topsoil excavated during construction activity shall be used in horticulture/ landscape development within the project site.	Complied All the excavated soil was used for landscape developing and back filling within the premises and our sister concerns units.
45	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create an adverse effect on neighbouring communities.	Complied All the excavated soil was used for landscape developing and back filling within the premises and our sister concerns units.
46	Project proponents shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	Complied Unit was using RMC and Lead free paint in the project.
47	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	Complied Unit has PPC cement.
48	“Wind-Breaker of appropriate height i.e. 1/3rd of the building height and maximum upto 10 meters shall be provided. Individual building within the projects site shall also be provided with barricades.	Noted
49	“No uncovered vehicles carrying construction material and waste shall be permitted.	Complied All vehicles are going with the tarpaulin cover over it.
50	“No Loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform Piling and proper storage of sand to avoid fugitive emissions shall be ensured.”	Complied All the construction waste & demolition waste are covered with tarpaulin and proper sand piling done to avoid the dusting.
51	Roads leading to or at construction site must be paved and blacktopped (i.e. metallics roads).	Complied All the internal roads are constructed with the RCC concrete.
52	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	Noted All the Mitigation should be taken care of during the excavation activity.
53	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing	Noted

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54	Grinding and cutting of building materials in open areas shall be prohibited.	Complied All the cutting & grinding activity of building materials are done in the shed area.
55	Construction materials and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.	Complied All the generated waste are stored in the earmarked area and it get utilized within the premises for the leveling purpose. Adequate mitigate measure are maintained at site.
56	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable).	Complied All the generated Construction and demolition waste are being utilized within the premises for the leveling purpose. Adequate mitigation measures are maintained at site.

B.2 OPERATION PHASE


B.2.1 WATER:

57	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Complied Unit has installed water meters and maintains the record on a daily and monthly basis.
58	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	Complied The unit had adopted Best Available Technology (BAT) to reduce, recycle and reuse the treated effluent. The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE. The unit will reuse permeate/condensate generated from RO, DEE & MEE in the cooling tower.  Photographs are as follows 



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B.2.2 AIR:		
59	In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & its APCM through the credible institutes and study report for the impacts on Environment and Human Health shall be submitted to GPCB every year along with a half yearly compliance report.	Noted. As of now the unit has not installed any spray dryer system as it is not the process requirement.
60	Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.	<p>Complied Unit has provided Acoustic enclosure to DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.</p>  <p>Report of Noise monitoring is attached in ANNEXURE-XI</p>
61	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	Complied. Unit has provided adequate stack height around 33 meter DG stack and scrubber around 11 meter for flue gas/ process gas emission.
62	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.	<p>Complied Report of flue gas emission monitoring is attached in ANNEXURE-VI & process gas emission monitoring of APCM scrubbers are attached in ANNEXURE-III</p> 


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63	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied All reactors and vessels are in a closed loop.
B.2.3 HAZARDOUS/SOLID WASTE		
64	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/ disposal of hazardous wastes.	Complied Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/ Labelling-Form 8/ TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc. If required in future we will do amendments from time to time.
65	Hazardous waste shall be dried, packed and stored in a separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied Unit has provided a hazardous waste storage area with a pucca bottom and leachate collection facility. 
66	The unit shall obtain necessary permission from the nearby TSDf site and CHWIF. (Whichever is applicable)	Complied Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDf of the same are attached in ANNEXURE-XIII
67	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988 and rules made there under.	Complied Unit is ensuring to deploy trucks/Tankers as per the provisions under the Motor Vehicle Act, 1988 and rules made there under for the transportation of hazardous waste. Unit is Following the AIS 140 based GPS tracking System for all the Hazardous Waste Vehicle.
68	The design of the Trucks/ tankers shall be such that there is no spillage during transportation.	Complied Unit is ensuring to deploy trucks/Tankers suitable for hazardous waste so that there will not be any leakage / spillage during transportation.


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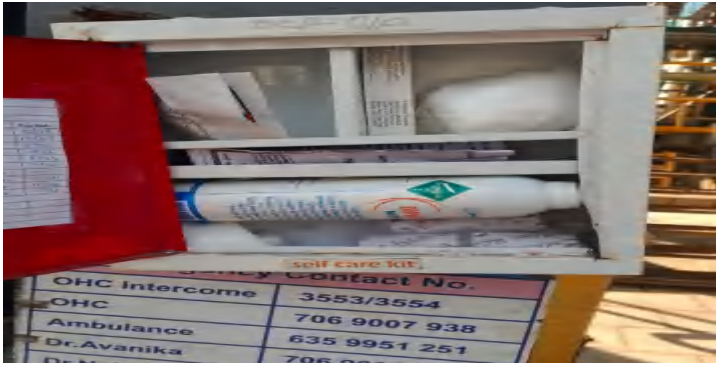
69	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied Unit is putting all efforts to pre-treat / process the hazardous waste before disposal to TSDF / CHWIF.
70	Management of fly ash (If any) shall be as per the Fly Ash Notification 2009 & its amendment time to time and it shall be ensures that there is 100% utilization of fly ash to be generated from the unit.	Complied Fly ash is not being generated from the unit.
B.2.4 SAFETY		
71	The occupier/ manager shall strictly comply with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.	Complied The occupier has strictly complied with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.
72	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for Handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosive and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.	Complied The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989. PESO Certificate attached in ANNEXURE-IV On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and same has been attached in ANNEXURE-XIV
73	Main entry and exit shall be separate and clearly marked in the facility.	Complied Main entry & Exit were separated and have been constructed marked clearly. Photographs of Entry  Photograph of Exit 

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

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

<p>86</p>	<p>First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.</p>	<p>Complied</p>  <p>14 Numbers of First Aid Box are available and required Antidotes (Methylene Blue, Dipotherene, etc) for the chemicals used in the unit are available in OHC at site.</p>																			
<p>87</p>	<p>Training shall be imparted to all the workers on safety and health aspects of chemicals handling.</p>	<p>Complied</p> <p>Training is given to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees are done on a regular basis. Training to all employees on handling chemicals is imparted regularly.</p> <table border="1" data-bbox="841 957 1604 1266"> <thead> <tr> <th rowspan="2">SR No.</th> <th colspan="3">Safety and Health aspects training to employes</th> </tr> <tr> <th>Total Employees</th> <th colspan="2">Safety Induction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>293</td> <td colspan="2">185</td> </tr> <tr> <th colspan="2">Month of Medical surveillance</th> <th>Total no. of Employees</th> <th>Total no. of Contract Employees</th> </tr> <tr> <td>1</td> <td>Oct 23 to Mar 24</td> <td>109</td> <td>281</td> </tr> </tbody> </table>	SR No.	Safety and Health aspects training to employes			Total Employees	Safety Induction		1	293	185		Month of Medical surveillance		Total no. of Employees	Total no. of Contract Employees	1	Oct 23 to Mar 24	109	281
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<p>88</p>	<p>Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.</p>	<p>Complied</p> <p>Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act. Following check up has been carried out in periodical medical checkup.</p> <ul style="list-style-type: none"> - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers <p>Details of health surveillance of the employees and contract workers are given below:</p>																			

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		<table border="1"> <tr> <th>Month of surveillance</th> <th>Total no. of Employees</th> </tr> <tr> <td>Oct- Mar,24</td> <td>390</td> </tr> </table> <table border="1"> <tr> <th>Month of Surveillance</th> <th>No. of Persons</th> </tr> <tr> <td>Oct, 23</td> <td>62</td> </tr> <tr> <td>Nov, 23</td> <td>60</td> </tr> <tr> <td>Dec, 23</td> <td>69</td> </tr> <tr> <td>Jan,24</td> <td>84</td> </tr> <tr> <td>Feb, 24</td> <td>61</td> </tr> <tr> <td>Mar, 24</td> <td>54</td> </tr> </table> <p>Medical Examination Summary & Sample Report have been attached in Annexure-XVIII</p>	Month of surveillance	Total no. of Employees	Oct- Mar,24	390	Month of Surveillance	No. of Persons	Oct, 23	62	Nov, 23	60	Dec, 23	69	Jan,24	84	Feb, 24	61	Mar, 24	54
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Dec, 23	69																			
Jan,24	84																			
Feb, 24	61																			
Mar, 24	54																			

89	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.	Complied We ensure that the Transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act and Rules.
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90	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. ANNEXURE-XVI
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91	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Complied Necessary permission has been taken from PESO. Certificate issued from PESO is attached as ANNEXURE-VI Unit has obtained Factory License No. 41555 , dated: 1st February, 2020. Attached as ANNEXURE-X The letter submitted to DISH for onsite emergency plan & safety report. The same has been attached in ANNEXURE-XIV
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B.2.5 NOISE

92	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	Complied The Unit has taken necessary noise control measures by providing engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. Unit is monitoring noise level month wise in the operation phase. Report of Noise monitoring is attached in ANNEXURE-XI Details of Noise Monitoring All the parameters under prescribed limit
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L o c a t i o n	GPCB limit												
		Apr 2023		May 2023		June 2023		Jul 2023		Aug 2023		Sep 2023	
		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
		Noise Level dB (A)											
Near ETP area	75 dB (A)	6	5	6	4	6	5	6	5	6	5	6	5
	70 dB	5	8	2	5	8	5	5	6	9	4	2	3

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		(A)	Near D.G. Set	7 2. 5	5 5. 2	7 1. 9	5 6. 1	7 2. 5	5 4. 5	7 3. 2	5 3. 2	7 1. 6	5 5. 2	6 9. 2	5 4. 2
			Near Main Gate	6 5. 1	5 2. 3	6 4. 3	5 3. 6	7 3. 4	5 4. 2	6 7. 5	5 5. 4	7 2. 5	5 3. 1	7 0. 5	5 5. 4
			Near DCA Plant	6 7. 2	5 4. 2	6 8. 1	5 2. 4	6 7. 3	5 5. 6	6 8. 2	5 6. 2	6 8. 1	6 6. 3	6 7. 2	6 2. 4
			Near Material Gate	6 6. 6	5 3. 4	6 5. 2	5 4. 3	6 6. 2	5 3. 8	6 7. 1	5 5. 1	6 7. 2	5 4. 5	6 6. 5	5 5. 5
			Note: N.D.- Not Detected, BDL - Below Detection Limit												
All the parameters under prescribed limit															

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION

93	The unit shall undertake the Cleaner Production Assessment study through a reputed institute /organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	Complied Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat Approved by AICTE, New Delhi & Affiliated to GTU, Ahmedabad. Cleaner Production Assessment study report is attached as an Annexure-XIX
94	The company shall undertake various waste minimization measures such as: Metering and control of quantities of active ingredient to minimize waste Reuse of by-products from the process as raw materials or as raw materials substitutes. Use of automated and close filling to minimize spillages. Use of a close feed system into batch reactors. Venting equipment through vapour recovery system. Use of high pressure hoses for clearing to reduce wastewater generation. Recycling of washes to subsequent batches. Recycling of steam condensate. Sweeping/ mopping of floor instead of floor washing to avoid effluent generation.	Complied The Unit has implemented waste minimization measures as mentioned below but not limiting to: Unit has taken all the possible action for the control of quantities of active ingredients to minimize waste. Unit has taken all the possible action for reuse of by-products from the process as raw materials or as raw materials substitutes. Unit has installed automated and close filling to minimize spillages. Closed feed system into batch reactors is in practice. Venting equipment through a vapour recovery system is in practice. Unit uses high pressure hoses for clearing to reduce wastewater generation. Unit is doing Recycling of washes to subsequent batches. Unit is doing Recycling of steam condensate.

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	<p>Regular preventive maintenance for avoiding leakages, spillages etc.</p>	<p>Unit is doing Sweeping/mopping the floor instead of floor washing to avoid effluent generation.</p> <p>Unit has done Regular preventive maintenance for avoiding leakages, spillages etc.</p>
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B.2.7 GREEN BELT AND OTHER PLANTATION

<p>95</p>	<p>The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate lane is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC/ GPCB and submit an action plan of plantation for next three years to the GPCB.</p>	<p>Complied The greenbelt has been developed and maintained by the unit regularly. Total area of plot :- 54803.04 m2 Greenbelt within Plant Premises :- 10367.85 m2 , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2 Green Belt at Luvara Village:- 5700 m2 Total Green Belt :- 18188.69 m2 photographs for the same attached as below:</p> 
<p>96</p>	<p>Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.</p>	<p>Complied Unit has provided a low-angle sprinkler system for the green belt development within the premises. Photographs for the same attached as below:</p> 

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97	The PP shall develop green belt within premises((Green belt within premises: 10367.85 m ² (18.92%) + Boundary Side Greenbelt: 2120.84 m ² (3.86%), out side Green belt: (in luvara village located at 0.9km from the project site):5700 m ² (10.22%) i.e.Total: 18188.69m ² (33.18%) of the total plot area) as per the undertaking submitted before SEAC. Green belt shall be developed with the native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB.	Complied The greenbelt has been developed and maintained by the unit regularly. Total area of plot :- 54803.04 m ² Greenbelt within Plant Premises :- 10367.85 m ² , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m ² Green Belt at Luvara Village:- 5700 m ² Total Green Belt :- 18188.69 m ² photographs for the same attached as per above.
B.3 OTHER CONDITION		
98.	Project Proponent shall provide mechanism/System for wastewater stream segregation at source and strictly follow up to treatment and final disposal of the same if applicable.	Complied Unit has done the proper segregation for the wastewater stream and strictly follow up the same
99.	The projects Covered under category 5(f) shall undergo the safety and environment audit regularly as per the standards laid down by the GPCB & CPCB.	Complied ne Unit had allotted the schedule-1 auditor as per the GPCB.
100.	PP shall carry out the safety audit and risk assessment report as per the prevailing guidelines of the safety.	Complied Unit has done the safety audit and risk assessment as per the guideline of the safety.
101.	Management of Fly ash shall be as per the Fly ash Notification 2009 & its amendment from time to time and it shall be ensured that there is 100% utilization of Fly ash to be generated from the unit.	Noted. Currently at unit fly ash has not been generated.
102.	EMP should invariably include provisions for environmental monitoring and measures for noise pollution control measures.	Complied. Noise monitoring is being carried out by an approved NABL / GPCB/ MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) The noise levels in the plant conform to the standards prescribed in the EPA Act, 1986. Copy of the report has been attached as ANNEXURE-XI
103.	In EMP proponent should separately indicate majors of occupational health, fire and safety measures.	Complied EMP attached as an ANNEXURE-IX
104.	Prior EC is granted is subject to the proponent receiving all statutory permission/clearances /certificates and membership of respective agencies/authorities whichever applicable. Proponent shall inform progress from time to time , in monthly compliance report to MOEFCC/SEIAA/SEAC/GPCB failing to which this provision EC will stand withdrawn.	Complied Unit has receive the EC to CTE on 31/03/2023 now we are applying for the CCA amendment application. Attached as an ANNEXURE-XX
105.	Wherever wastewater or chemical water to be collected by tankers and transported to CETP etc. and diversion and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law.	Noted Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.


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106.	All transport movement by tankers etc has to be done with maintenance of gate pass and logbook it should be verified by the inspecting authorities.	Noted																												
107.	Non-Hazardous waste data shall be informed to GPCB time to time so as to make an assessment and tie-up with industry for generating sustainable power from the waste.	<p>Complied Details of Non-Hazardous waste are as follows:</p> <table border="1" data-bbox="841 422 1495 869"> <thead> <tr> <th>MONTH</th> <th>SS Scrap (MT)</th> <th>MS Scrap (MT)</th> <th>Wooden (MT)</th> </tr> </thead> <tbody> <tr> <td>Oct, 2023</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Nov, 2023</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Dec, 2023</td> <td>1.67</td> <td>12.26</td> <td>3.03</td> </tr> <tr> <td>Jan, 2024</td> <td>0</td> <td>6.43</td> <td>0.88</td> </tr> <tr> <td>Feb, 2024</td> <td>2.14</td> <td>9.52</td> <td>0.78</td> </tr> <tr> <td>Mar, 2024</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	MONTH	SS Scrap (MT)	MS Scrap (MT)	Wooden (MT)	Oct, 2023	0	0	0	Nov, 2023	0	0	0	Dec, 2023	1.67	12.26	3.03	Jan, 2024	0	6.43	0.88	Feb, 2024	2.14	9.52	0.78	Mar, 2024	0	0	0
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108.	All chemical pharma industry etc. should ensure predictive and preventive maintenance of factory/boiler and reactive show as to avoid incident of fire and safety hazards.	<p>Noted Unit will ensure that the predictive and preventive maintenance of factory/boiler and reactive systems show as to avoid incidents of fire and safety hazards.</p>																												
109.	EMP should include STP and detail cost including maintenance, transportation of wastewater to CETP/CMEE etc as well as transport cost or transit cost.	<p>Noted Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.</p>																												
110.	In LDAR preventive & predictive maintenance plan.	<p>As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. Attached in Point -3</p>																												
111.	In LDAR leakage component , source of equipment leak, detention method should be given in table form.	<p>As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as per the desired set point all are connected to the Hooter & DCS System. Hydrogen Detector System, Methanol Detector System, SO2 Detector System & Xylene Detector system. All are Directly connected with the DCS system.</p>																												
112.	In storage component should be shown separately in terms whether inflammable, toxic,corrosive, reactive etc.	Complied																												

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



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	MoEF&CC vide no.F.No. 22-34/2018-IA.III dated 01/05/2018 for pharmaceutical and Chemical industries mentioned at (Sr. no.XX)										
125.	The Project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of Half-yearly compliance report and to district collector. The Monitoring report shall be posted on the website of the project proponent.	<p>Complied The project proponent has complied with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules 2014" and its amendments from time to time. The CER/CSR activities list have been below</p> <table border="1"> <thead> <tr> <th>Name of Associated NGO</th> <th>Nature of Work</th> <th>Amount (Rs)</th> </tr> </thead> <tbody> <tr> <td>Sewa Rural</td> <td>Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School</td> <td>0.42 lacs-</td> </tr> <tr> <td>Self</td> <td>Greenbelt development opposite to Tatva Chintan Plant</td> <td>80 lacs</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs)	Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-	Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs
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126.	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	<p>Noted & will be complied Rain water harvesting tank with the capacity of 50 KL is provided for the Storage of RainWater for using the collected water during the monsoon. Area has been identified for the Rainwater harvesting system Now the PR/PO is in process. Once the PO is done then its construction activity will be started.</p>									
127.	The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt./GIDC.	<p>Complied The unit will participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or SEZ / GIDC or GPCB or any such authority created for this purpose by the Govt.</p>									
128.	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.	<p>Complied . Solar energy had been incorporated for illumination of common areas,</p> 									

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



		 
135.	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Complied Pucca flooring has been provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination. Photographs of the same are Given in Point no. 7.
136.	Leakages from Pipes,pumps shall be minimal and if occurs shall be arrested promptly.	Complied Unit had the proper preventive maintenance plan and unit are doing on regularly basis to avoiding leakages, spillages etc
137.	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Complied Unit has ensured to not take up any further expansion or modifications in the plant likely to cause environmental impacts without obtaining prior Environment Clearance from the concerned authority.

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138.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted. We will implement and follow all the rules and regulations under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules. ANNEXURE-XXI									
139.	The project proponent shall comply with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time in a letter and spirit.	<p>Complied The project proponent has complied with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time. The CER/CSR activities list have been below</p> <table border="1" data-bbox="841 632 1604 1108"> <thead> <tr> <th data-bbox="841 632 1068 783">Name of Associated NGO</th> <th data-bbox="1068 632 1382 783">Nature of Work</th> <th data-bbox="1382 632 1604 783">Amount (Rs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="841 783 1068 978">Sewa Rural</td> <td data-bbox="1068 783 1382 978">Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School</td> <td data-bbox="1382 783 1604 978">0.42 lacs-</td> </tr> <tr> <td data-bbox="841 978 1068 1108">Self</td> <td data-bbox="1068 978 1382 1108">Greenbelt development opposite to Tatva Chintan Plant</td> <td data-bbox="1382 978 1604 1108">80 lacs</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs)	Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-	Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs
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140.	The project management shall ensure that the unit complies with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	Complied. Unit has complied with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report. The same has been attached in Annexure-IX .									
141.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied The Unit has provided adequate funds and has not diverted the funds provided to implement the conditions stipulated by SEIAA as well as GPCB. The unit has allocated funds towards expenses of operation for waste water treatment plant, environmental monitoring, auditing and Hazardous waste disposal.									
142.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy of	Complied The advertisement regarding the environmental clearance was given in the local newspapers and the copy of the same was submitted to the concerned regional office. The same has been attached in Annexure-XXII									

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	each of the same shall be forwarded to the concerned Regional Office of the Ministry.	
143.	It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.	Complied Last half yearly compliance report for the period of Apr 2023 to Sep 2023 submitted on the date of 1st Dec, 2023.
144.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
145.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied Unit will strictly adhere to the stipulations made by the Gujarat Pollution Control Board.
146.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
147.	The company in a time bound manner shall implement these conditions. The SIEAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted.
148.	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied Unit has received fresh CC&A order No AWH-108072, dated 10/09/2020, Valid upto 19/02/2025 and further amendment was done with AWH-113931 dated on 22/09/2021 & AWH-113932 dated on 08/10/2021. Unit has received the EC to CTE for the Amendment in product Expansion.
149.	This environmental clearance is valid for Ten years from the date of issue.	Noted.
150.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
151.	Submission of any false or misleading information or data which is material to screening of scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted.
B.4 COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION/APPEAL:		
152.	Project proponent shall submit certified compliance report of IRO, gandhinagar for Existing EC obtained within 10 days.	Complied

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153.	Project Proponent shall inform all the concerned authorities including Municipal Corporation and District Collector and shall give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.	Complied Attached Point no. 142.
154.	Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition full on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of Compliance. Any Change in key person shall immediately be informed to SEIAA and all concern authorities.	Complied Environment Management Unit/Cell is shown below: <div style="text-align: center;"> <p>FLOW DIAGRAM OF ENVIRONMENT MANAGEMENT CELL</p> <pre> graph TD Director["Director (Technical)"] --> VP["Vice President"] Director --> GM["General Manager (EHS Corporate)"] VP --> SiteHead["Site head"] GM --> SManEnv["Sr. Manager (Environment)"] GM --> SManSafety["Sr. Manager (Safety)"] SManEnv --> OfficerEnv["Officer (Environment)"] SManSafety --> OfficerSafety["Officer (Safety)"] OfficerEnv --> ShiftSupervisor["Shift supervisor (ETP)"] ShiftSupervisor --> ShiftOperator["Shift operator (EIP)"] </pre> </div>
155.	Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MoEF&CC, GPCB and Nodal Department of the Government.	Complied Last half yearly compliance report for the period of Apr 2023 to Sep 2023 submitted on the date of 1st Dec, 2023.
156.	The Nodal Department or any authority or officer authorized by MoEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.	Noted.
157.	In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per environment protection Act, 1986 including SEIAA may cancel , withdraw or keep in abeyance, the Environment Clearance accorded.	Noted
158.	Any Person including the project proponent affected by this Environment clearance order may file appeal to Honorable National Green Tribunal West Zone Branch, Pune, Preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.	Noted

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159.	All Complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagj@gmail.com & (b) seacgujarat@gmail.com	Noted
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Compliance report of Environmental Clearance File No. SEIAA/GUJ/EC/5(f)/391/2018 Dated. 31/03/2018, Oct-2023 to Mar-2024

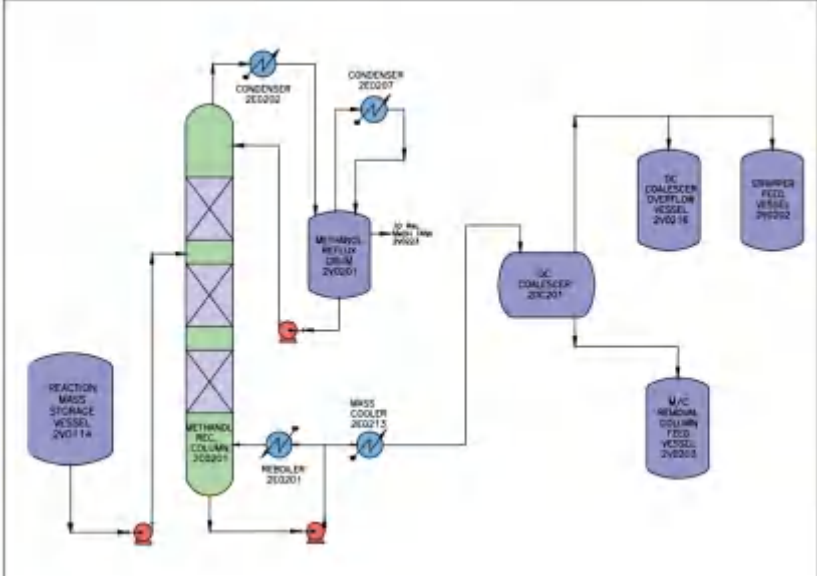
Sr. No.	Name of Product	CAS No.	Total Quantity (MT/month)	Application	Status																							
Organic Chemicals																												
1	2, 5 Dichloro Aniline	95-82-9	1815	It is a precursor to dyes, chemical intermediates and pigments.	<p>Complied</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Production (MT)</th> </tr> <tr> <th colspan="2">2, 5 Dichloro Aniline</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td colspan="2">800.631</td> </tr> <tr> <td>Nov, 23</td> <td colspan="2">424.37</td> </tr> <tr> <td>Dec, 23</td> <td colspan="2">556.094</td> </tr> <tr> <td>Jan, 24</td> <td colspan="2">499.402</td> </tr> <tr> <td>Feb,24</td> <td colspan="2">705.27</td> </tr> <tr> <td>Mar,24</td> <td colspan="2">763.82</td> </tr> </tbody> </table> <p align="center">All products are under prescribed limits.</p>	Month	Production (MT)		2, 5 Dichloro Aniline		Oct, 23	800.631		Nov, 23	424.37		Dec, 23	556.094		Jan, 24	499.402		Feb,24	705.27		Mar,24	763.82	
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2	2. 5 Dichloro Phenol	583-78-8	1500	Dichlorophenols are used as intermediates in the manufacture of more complex chemical compounds. It will be used as a raw material for chemical intermediates.	<p>Complied</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Production (MT)</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td>248.9</td> </tr> <tr> <td>Nov, 23</td> <td>265.42</td> </tr> <tr> <td>Dec, 23</td> <td>190.9</td> </tr> <tr> <td>Jan, 24</td> <td>36.4</td> </tr> <tr> <td>Feb,24</td> <td>77.8</td> </tr> <tr> <td>Mar,24</td> <td>0</td> </tr> </tbody> </table>	Month	Production (MT)	Oct, 23	248.9	Nov, 23	265.42	Dec, 23	190.9	Jan, 24	36.4	Feb,24	77.8	Mar,24	0									
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1	Nitrosyl Sulphuric Acid	7782-78-7	1470	Used in organic chemistry to prepare diazonium salts from amines	<p>Complied</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Production (MT)</th> </tr> <tr> <th>NSA</th> <th>H2SO4</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td>704</td> <td>1612.255</td> </tr> <tr> <td>Nov, 23</td> <td>1240</td> <td>1724.64</td> </tr> <tr> <td>Dec, 23</td> <td>812</td> <td>1222.947</td> </tr> <tr> <td>Jan, 24</td> <td>524.7</td> <td>282.838</td> </tr> <tr> <td>Feb,24</td> <td>136</td> <td>533.047</td> </tr> <tr> <td>Mar,24</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Month	Production (MT)		NSA	H2SO4	Oct, 23	704	1612.255	Nov, 23	1240	1724.64	Dec, 23	812	1222.947	Jan, 24	524.7	282.838	Feb,24	136	533.047	Mar,24	0	0
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2	98% Sulphuric Acid	7664-93-9	2350	Used in chemical industry for production of basic synthetic organic chemicals	<p>Complied</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Production (MT)</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td>1612.255</td> </tr> <tr> <td>Nov, 23</td> <td>1724.64</td> </tr> <tr> <td>Dec, 23</td> <td>1222.947</td> </tr> <tr> <td>Jan, 24</td> <td>282.838</td> </tr> <tr> <td>Feb,24</td> <td>533.047</td> </tr> <tr> <td>Mar,24</td> <td>0</td> </tr> </tbody> </table>	Month	Production (MT)	Oct, 23	1612.255	Nov, 23	1724.64	Dec, 23	1222.947	Jan, 24	282.838	Feb,24	533.047	Mar,24	0									
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M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II Dahej, Dist. Bharuch



	MT/Month	Average production of 3154.21 MT/Month in the compliance period (Oct 2023 to March 2024)
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Sr. No.	Points	Compliance
CONDITIONS		
A.1 SPECIFIC CONDITIONS		
1	There shall be no end use of the proposed products as pesticide and pesticide specific intermediates as mentioned in EIA Notification 2006 and as submitted undertaking with EIA report.	Complied Unit is ensuring that no end use of the proposed products as pesticide and pesticide specific intermediates.
2	The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	Complied The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE.
		 <p style="text-align: center;">Photograph of MEE Plant</p> 

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

		Photograph of RO																												
3	Spent solvent recovery (1384.1 MT/Month) shall be recovered by in-house distillation in such a manner that recovery shall not be less than 95 percent and recovered solvent shall be completely reused in the process.	<p>Complied</p> <p>The solvent recovery system with a recovery not less than 95% is being taken care of in the plant and the same being ensured during operation of the plant.</p> <table border="1" data-bbox="756 388 1604 726"> <thead> <tr> <th>Recovered Methanol Details</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td>Consumption (MT/Month)</td> <td>1322.12</td> <td>541.49</td> <td>463.91</td> <td>651.24</td> <td>798.19</td> <td>768.49</td> </tr> <tr> <td>Recovered (MT/Month)</td> <td>1320.12</td> <td>530.16</td> <td>454.84</td> <td>649.15</td> <td>793.62</td> <td>767.00</td> </tr> <tr> <td>% Recovery</td> <td>99%</td> <td>97.9%</td> <td>98%</td> <td>99.67%</td> <td>99.4%</td> <td>99.8%</td> </tr> </tbody> </table>	Recovered Methanol Details	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Consumption (MT/Month)	1322.12	541.49	463.91	651.24	798.19	768.49	Recovered (MT/Month)	1320.12	530.16	454.84	649.15	793.62	767.00	% Recovery	99%	97.9%	98%	99.67%	99.4%	99.8%
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% Recovery	99%	97.9%	98%	99.67%	99.4%	99.8%																								
4	Close loop solvent recovery system with an adequate condenser system shall be provided to recover solvent vapors.	<p>Complied</p> <p>Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is as below</p>  <p>Plant is operated under the DCS Control system.</p>																												
5	Leak detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines.	<p>Complied</p> <p>As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis.</p> <p>We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as per the desired set point all are connected to the Hooter & DCS System.</p>																												

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

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

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

<p>these items, the unit shall restrict the production of respective them.</p>	<p>pre-processing from RSPL. Unit has received a Landfill membership certificate from BEIL. The membership details are attached in Annexure-3</p> <p>Landfill Waste (ETP, MEE & Insulation) Generation & Disposal Details:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Month</th> <th>Generation (MT)</th> <th>Disposal (MT)</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td>24.630</td> <td>13.45</td> </tr> <tr> <td>Nov, 23</td> <td>21.32</td> <td>23.44</td> </tr> <tr> <td>Dec, 23</td> <td>11.66</td> <td>49.77</td> </tr> <tr> <td>Jan, 24</td> <td>35.12</td> <td>28.77</td> </tr> <tr> <td>Feb,24</td> <td>15.95</td> <td>20.12</td> </tr> <tr> <td>Mar,24</td> <td>22.2</td> <td>11.05</td> </tr> <tr> <td>TOTAL</td> <td>130.88</td> <td>146.6</td> </tr> </tbody> </table>	Month	Generation (MT)	Disposal (MT)	Oct, 23	24.630	13.45	Nov, 23	21.32	23.44	Dec, 23	11.66	49.77	Jan, 24	35.12	28.77	Feb,24	15.95	20.12	Mar,24	22.2	11.05	TOTAL	130.88	146.6
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A.2 WATER

9	<p>Total water requirement for the project shall not exceed 1432 KL/Day. Unit shall reuse water 56 KL/Day from RO permeate, 47 KL/Day from STP and 73 KL/Day from the filter section. Hence, fresh water requirement shall not exceed 1312 KL/Day and it shall be met through GIDC water supply only. Prior permission from the concerned authority shall be obtained for withdrawal of water.</p>	<p>Complied Total Water Requirement is not exceeding 1429 KL/Day and fresh water requirement is not exceeding 1253 KL/Day and Recycle water is 56 KL/Day from RO Permeate, 47 KL/Day from STP, 73 KL/Day from Filter Section(SSF) as per CC&A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 & AWH-123267 dated: 18/12/22. Water consumption is under the prescribed limit.</p> <p style="text-align: center;">WATER CONSUMPTION DETAILS</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Fresh Water Consumptions (1253 KLD)</td> <td>Total KL/Month</td> <td>17984</td> <td>16531</td> <td>13352</td> <td>9808</td> <td>9489</td> <td>10121</td> </tr> <tr> <td>Average KLD</td> <td>580.13</td> <td>551</td> <td>430.71</td> <td>316.38</td> <td>338.89</td> <td>326.48</td> </tr> </tbody> </table> <p style="text-align: center;">Water consumption is under the prescribed limit.</p>	Particular	Unit	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Fresh Water Consumptions (1253 KLD)	Total KL/Month	17984	16531	13352	9808	9489	10121	Average KLD	580.13	551	430.71	316.38	338.89	326.48
Particular	Unit	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24																		
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10	<p>The industrial effluent generation from the project shall not exceed 265 KL/Day.</p>	<p>Complied The effluent generation of the Unit is not exceeding 262 KL/Day as per CC&A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 & AWH-123267 dated: 18/12/22.</p> <p style="text-align: center;">EFFLUENT GENERATION DETAILS</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Industrial Effluent Generation (262 KLD)</td> <td>Total KL/Month</td> <td>3603.2</td> <td>3336.9</td> <td>4432.8</td> <td>3257.6</td> <td>3163.4</td> <td>3388.2</td> </tr> <tr> <td>Average KLD</td> <td>116.23</td> <td>111.23</td> <td>142.99</td> <td>105.08</td> <td>112.97</td> <td>109.29</td> </tr> </tbody> </table> <p style="text-align: center;">Waste Water generation is under Prescribed Limits</p>	Particular	Unit	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Industrial Effluent Generation (262 KLD)	Total KL/Month	3603.2	3336.9	4432.8	3257.6	3163.4	3388.2	Average KLD	116.23	111.23	142.99	105.08	112.97	109.29
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11	The industrial wastewater i.e. Process water + RO Reject (228+37=265 KL/Day) shall be treated in ETP comprising Primary, Secondary and Tertiary treatment plants.	<p>Compiled.</p> <p>The average daily generation of industrial effluent for the monitoring period is 128.06 m³/day. The effluent coming from various plants are collected and treated in ETP consists of Primary, secondary and tertiary treatment facilities. Further treated in RO and discharged to the GIDC pipeline.</p> <p>Details of wastewater Generation (combined for process and utility)</p> <table border="1" data-bbox="769 422 1598 606"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Industrial Effluent to ETP (225 KLD)</td> <td>Total KL/Month</td> <td>3603.2</td> <td>3336.9</td> <td>4432.8</td> <td>3257.6</td> <td>3163.4</td> <td>3388.2</td> </tr> <tr> <td>Average KLD</td> <td>116.23</td> <td>111.23</td> <td>142.99</td> <td>105.08</td> <td>112.97</td> <td>109.29</td> </tr> </tbody> </table> <p>Wastewater generation is within the prescribed limits</p>	Particular	Unit	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Industrial Effluent to ETP (225 KLD)	Total KL/Month	3603.2	3336.9	4432.8	3257.6	3163.4	3388.2	Average KLD	116.23	111.23	142.99	105.08	112.97	109.29
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	Average KLD	116.23	111.23	142.99	105.08	112.97	109.29																		
12	Treated wastewater (265 KL/Day) shall be discharged deep sea (Arabian Sea) through underground pipeline of GIDC after achieving discharge norms prescribed by regulatory authority.	<p>Complied</p> <p>Unit is ensuring discharge treated effluent after conforming to GPCB norms in the underground pipeline of GIDC.</p> <p>GIDC Discharge Details</p> <table border="1" data-bbox="758 793 1602 1047"> <thead> <tr> <th>Particular</th> <th>Final Discharge</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Final Discharge to GIDC Pipeline (262 KL/day)</td> <td>Total KL/Month</td> <td>4750</td> <td>4583</td> <td>5297</td> <td>3792</td> <td>3030</td> <td>3704</td> </tr> <tr> <td>Average KLD</td> <td>153.22</td> <td>152.76</td> <td>179.87</td> <td>122.32</td> <td>108.21</td> <td>119.48</td> </tr> </tbody> </table> <p>All the discharge parameters are under prescribed limits</p>	Particular	Final Discharge	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Final Discharge to GIDC Pipeline (262 KL/day)	Total KL/Month	4750	4583	5297	3792	3030	3704	Average KLD	153.22	152.76	179.87	122.32	108.21	119.48
Particular	Final Discharge	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24																		
Final Discharge to GIDC Pipeline (262 KL/day)	Total KL/Month	4750	4583	5297	3792	3030	3704																		
	Average KLD	153.22	152.76	179.87	122.32	108.21	119.48																		
13	The domestic wastewater generation shall not exceed 47 KL/Day and it shall be treated in STP and use for gardening/maintaining green belt within premises.	<p>Complied</p> <p>Domestic wastewater is treated in STP. Treated water used for gardening/cooling tower purposes.</p> <p>Domestic Waste Water Generation</p> <table border="1" data-bbox="758 1241 1602 1425"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Domestic Waste Water (47 KLD)</td> <td>Total KL/Month</td> <td>647</td> <td>658</td> <td>872</td> <td>777</td> <td>668</td> <td>804</td> </tr> <tr> <td>Average KLD</td> <td>20.87</td> <td>21.93</td> <td>28.12</td> <td>25.06</td> <td>23.85</td> <td>25.93</td> </tr> </tbody> </table> <p>All Domestic waste water generation is under prescribed limits.</p>	Particular	Unit	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Domestic Waste Water (47 KLD)	Total KL/Month	647	658	872	777	668	804	Average KLD	20.87	21.93	28.12	25.06	23.85	25.93
Particular	Unit	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24																		
Domestic Waste Water (47 KLD)	Total KL/Month	647	658	872	777	668	804																		
	Average KLD	20.87	21.93	28.12	25.06	23.85	25.93																		
14	During monsoon season when treated sewage effluent may not be required for the plantation/Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case.	<p>Complied</p> <p>The treated STP water is being used for green belt development / Cooling tower. During Monsoon the treated STP water shall be used for cooling tower make up. Also, the Unit has constructed a guard tank for storage of treated water.</p>																							
15	Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.	<p>Complied</p> <p>Unit has an adequate buffer with two water storage tanks each of 300 kl capacity for holding the treated wastewater during the rainy days.</p>																							
16	Unit shall provide an online monitoring system on the final discharge line for measuring	<p>Complied</p>																							

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		Oct, 23	1.5	1	3	15	640	3220	5460	28	0
		Nov, 23	4.1	1	2	0	350	6240	1872	4	120
		Dec, 23	5.32	54	54	10	410	7408	4872	11	1
		Jan, 24	0.77	1	4	450	110	1167 0	2280	22	0
		Feb,24	0.8	3	11	35	80	2863	1620	11	0
		Mar,24	0.51	4	13	0	72	3071 0	786	14	0

A.3 AIR

19	There shall be no use of any type of fuel for utility or process requirements for the proposed project.	Complied Unit has not used any type of fuel for utility or process requirements for the proposed project.
20	Unit shall provide APCM as mentioned below points for control of process gaseous emissions.	Complied Unit has provided scrubber systems to control gaseous emission across the operations.
21	Unit shall provide a two stage alkali scrubber as APCM with Sulphur Dioxide reaction and Sulphuric Acid plant to control SO2 gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with Sulphur Dioxide reaction and Sulphuric Acid plant to control SO2 gaseous emission. Photograph of APCM 
22	Unit shall provide a two stage alkali scrubber as APCM with an NSA plant to control SO2 gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with an NSA plant to control SO2 gaseous emission. Annexure-5a
23	Unit shall provide two stage alkali scrubber as APCM with DCP plant to control NOx & VOC gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with a DCP plant to control NOx & VOC gaseous emission. Annexure-5b

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24	Unit shall provide two stage alkali scrubber as APCM with storage tanks to control VOC.	<p>Complied Unit has provided a two stage alkali scrubber as APCM with storage tanks to control VOC. VOCs Monitoring are carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of VOC monitoring from scrubber is attached in Annexure-5</p> <table border="1" data-bbox="760 388 1601 1661"> <thead> <tr> <th data-bbox="760 388 841 478">Sr. No</th> <th data-bbox="841 388 1256 478">Stack Attached to</th> <th data-bbox="1256 388 1409 478">APCM</th> <th data-bbox="1409 388 1601 478">Parameter</th> </tr> </thead> <tbody> <tr> <td data-bbox="760 478 841 659">1</td> <td data-bbox="841 478 1256 659">Scrubber Connected to Sulphur Dioxide reaction and Sulphuric Acid Plant</td> <td data-bbox="1256 478 1409 659">Alkali Scrubber</td> <td data-bbox="1409 478 1601 659">SO2 Acid Mist/Sulphur Trioxide</td> </tr> <tr> <td data-bbox="760 659 841 749">2</td> <td data-bbox="841 659 1256 749">Scrubber Connected to NSA</td> <td data-bbox="1256 659 1409 749">Alkali Scrubber</td> <td data-bbox="1409 659 1601 749">SO2</td> </tr> <tr> <td data-bbox="760 749 841 840">3</td> <td data-bbox="841 749 1256 840">Scrubber Connected to DCP</td> <td data-bbox="1256 749 1409 840">Alkali Scrubber</td> <td data-bbox="1409 749 1601 840">NOx</td> </tr> <tr> <td data-bbox="760 840 841 930">4</td> <td data-bbox="841 840 1256 930">Scrubber Connected to Tank Farm-1</td> <td data-bbox="1256 840 1409 930">Alkali Scrubber</td> <td data-bbox="1409 840 1601 930">VOC</td> </tr> <tr> <td data-bbox="760 930 841 1020">5</td> <td data-bbox="841 930 1256 1020">Scrubber Connected to Tank Farm-2</td> <td data-bbox="1256 930 1409 1020">Alkali Scrubber</td> <td data-bbox="1409 930 1601 1020">VOC</td> </tr> <tr> <td data-bbox="760 1020 841 1110">6</td> <td data-bbox="841 1020 1256 1110">Common Alkali Scrubber Connected to SO2 Tank Farm</td> <td data-bbox="1256 1020 1409 1110">Alkali Scrubber</td> <td data-bbox="1409 1020 1601 1110">SO2</td> </tr> <tr> <td data-bbox="760 1110 841 1201">7</td> <td data-bbox="841 1110 1256 1201">DCA Plant vacuum pump storage tank</td> <td data-bbox="1256 1110 1409 1201">Water Scrubber</td> <td data-bbox="1409 1110 1601 1201">VOC</td> </tr> <tr> <td data-bbox="760 1201 841 1291">8</td> <td data-bbox="841 1201 1256 1291">HNO3 Tank</td> <td data-bbox="1256 1201 1409 1291">3 stage lime scrubber</td> <td data-bbox="1409 1201 1601 1291">NOx</td> </tr> <tr> <td data-bbox="760 1291 841 1381">9</td> <td data-bbox="841 1291 1256 1381">Liq SO3 and 25% oleum tank</td> <td data-bbox="1256 1291 1409 1381">Acid Scrubber</td> <td data-bbox="1409 1291 1601 1381">SO2</td> </tr> <tr> <td data-bbox="760 1381 841 1472">10</td> <td data-bbox="841 1381 1256 1472">SAC and TAR plant</td> <td data-bbox="1256 1381 1409 1472">Alkali Spray Scrubber</td> <td data-bbox="1409 1381 1601 1472">SO2 VOC</td> </tr> <tr> <td data-bbox="760 1472 841 1562">11</td> <td data-bbox="841 1472 1256 1562">DCP Plant: DCA Sulphate Vent</td> <td data-bbox="1256 1472 1409 1562">Ventury Water Scrubber</td> <td data-bbox="1409 1472 1601 1562">SO2 VOC</td> </tr> </tbody> </table>	Sr. No	Stack Attached to	APCM	Parameter	1	Scrubber Connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	Alkali Scrubber	SO2 Acid Mist/Sulphur Trioxide	2	Scrubber Connected to NSA	Alkali Scrubber	SO2	3	Scrubber Connected to DCP	Alkali Scrubber	NOx	4	Scrubber Connected to Tank Farm-1	Alkali Scrubber	VOC	5	Scrubber Connected to Tank Farm-2	Alkali Scrubber	VOC	6	Common Alkali Scrubber Connected to SO2 Tank Farm	Alkali Scrubber	SO2	7	DCA Plant vacuum pump storage tank	Water Scrubber	VOC	8	HNO3 Tank	3 stage lime scrubber	NOx	9	Liq SO3 and 25% oleum tank	Acid Scrubber	SO2	10	SAC and TAR plant	Alkali Spray Scrubber	SO2 VOC	11	DCP Plant: DCA Sulphate Vent	Ventury Water Scrubber	SO2 VOC
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25	Unit shall provide two stage alkali scrubber as APCM with storage tanks to control VOC.	<p>Complied Unit has provided a two stage alkali scrubber as APCM with storage tanks to control VOC. Report of VOC monitoring from scrubber is attached in Annexure-5 The detailed table of APCM is provided in Point No.24</p>																																																

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

26	Diesel to the tune of 660 Lit/hr shall be used as fuel in 2 nos. Of D.G. Set (Standby).	<p>Diesel to the tune of 660 Lit/hr shall be used as fuel in 2 nos. Of D.G. Set (Standby). till 22/09/2021 After then Diesel to the tune of 1800 Lit/hr will be used as fuel in 3 nos. of D.G. Set. As per CC&A Amendment No. AWH - 113931 Dated on 22/09/2021 valid upto 19/02/2025. Records of diesel consumption month-wise given as below:</p> <p style="text-align: center;">Diesel Consumption</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Month</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td>Limit</td> <td colspan="6" style="text-align: center;">1800 Lit/Hr</td> </tr> <tr> <td>Total Diesel Consumption (Litre/Month)</td> <td>495</td> <td>495</td> <td>525</td> <td>510</td> <td>460</td> <td>485</td> </tr> <tr> <td>Diesel Consumption (Litre/Hr)</td> <td>0.67</td> <td>0.69</td> <td>0.71</td> <td>0.71</td> <td>0.64</td> <td>0.67</td> </tr> </tbody> </table> <p style="text-align: center;">The total diesel consumption is under prescribed limit</p>	Month	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Limit	1800 Lit/Hr						Total Diesel Consumption (Litre/Month)	495	495	525	510	460	485	Diesel Consumption (Litre/Hr)	0.67	0.69	0.71	0.71	0.64	0.67														
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27	Measure shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have a vapour recovery system.	<p>Complied Unit has ensured to take all necessary measures to reduce the process vapor emission. The unit has installed scrubbers and has installed a solvent recovery system as mentioned in condition number 4. Report of workplace monitoring is attached in Annexure-6</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="7" style="text-align: center;">TVOC (PPM)</th> </tr> <tr> <th>Month</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td>Locations</td> <td colspan="6" style="text-align: center;">TWA Concentration (As given in Schedule-II as per factory act) - --</td> </tr> <tr> <td>DCA Plant Ground Floor</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> </tr> <tr> <td>DCA Plant 1st Floor</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> </tr> <tr> <td>DCA Plant 2nd Floor</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> </tr> </tbody> </table>	TVOC (PPM)							Month	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Locations	TWA Concentration (As given in Schedule-II as per factory act) - --						DCA Plant Ground Floor	BDL	BDL	BDL	BDL	BDL	BDL	DCA Plant 1st Floor	BDL	BDL	BDL	BDL	BDL	BDL	DCA Plant 2nd Floor	BDL	BDL	BDL	BDL	BDL	BDL
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28	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health).	<p>Complied Unit has followed below guidelines to reduce the fugitive emissions in the work zone. Internal roads have been concreted. Photograph has been attached as below:</p>																																										

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

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



The site is not using coal or any other material that will generate fine dust particles. Hence, sprinklers are not installed in the process area But, water sprinklers have been provided in the greenbelt.

Photographs for the same attached as below:





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

Photographs of Green belt area attached as below:



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		<p>Fugitive Emission Monitoring is carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of Dust monitoring is attached in Annexure-6 and</p> <table border="1" data-bbox="776 327 1604 747"> <thead> <tr> <th colspan="7">Dust Monitoring (mg/m3)</th> </tr> <tr> <th>Month</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td>Location</td> <td colspan="6">Behind ETP Area with Handy Sampler</td> </tr> <tr> <td>Limit</td> <td colspan="6">TWA Concentration (As given in Schedule-II as per factory act) - 10 mg/m3 (Average)</td> </tr> <tr> <td>Air Borne Contamination (Total Dust)</td> <td>0.12</td> <td>0.22</td> <td>0.16</td> <td>0.22</td> <td>0.25</td> <td>0.22</td> </tr> </tbody> </table> <p>All the Dust monitoring parameters are under prescribed limit</p>	Dust Monitoring (mg/m3)							Month	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Location	Behind ETP Area with Handy Sampler						Limit	TWA Concentration (As given in Schedule-II as per factory act) - 10 mg/m3 (Average)						Air Borne Contamination (Total Dust)	0.12	0.22	0.16	0.22	0.25	0.22
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29	<p>Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.</p>	<p>Complied Volatile Organic Compounds (VOCs) are monitored by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.). Report of Work Zone area monitoring is attached in Annexure-6 The detail table of APCM is provided in Point No.27</p>																																			
30	<p>For control of fugitive emission, VOCs, following steps shall be followed: Closed handling and charging systems shall be provided for chemicals. Reflux condenser shall be provided over Reactors / Vessels. Pumps shall be provided with mechanical seals to prevent leakages.</p>	<p>Complied Closed handling and charging systems have been provided for chemicals. Reflux condenser has been provided over Reactors / Vessels. Pumps have been provided with mechanical seals to prevent leakages. The plant is operated by a DCS system.</p> <div style="display: flex; justify-content: space-around;">   </div>																																			
31	<p>Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosure.</p>	<p>Complied Unit has provided an enclosure system for air borne dust at all transfer operations.</p>																																			

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32	<p>Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx and VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.</p>	<p>Complied The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorised party (Unistar Environment & Research Labs Pvt. Ltd.) . Report of Ambient air quality monitoring is attached in Annexure-7 The table for the same is as below:</p> <table border="1" data-bbox="776 422 1604 1654"> <thead> <tr> <th colspan="8">AAQMS Monitoring</th> </tr> <tr> <th>Location</th> <th>Parameter</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Near Maingate</td> <td>PM10 (100 µg/m3)</td> <td>71</td> <td>65</td> <td>69</td> <td>61</td> <td>85</td> <td>77</td> </tr> <tr> <td>PM2.5 (60 µg/m3)</td> <td>26</td> <td>21</td> <td>23</td> <td>19</td> <td>27</td> <td>27</td> </tr> <tr> <td>SO2 (80 µg/m3)</td> <td>19.3</td> <td>13.8</td> <td>15.9</td> <td>18.1</td> <td>14.4</td> <td>22.5</td> </tr> <tr> <td>NO2 (80 µg/m3)</td> <td>22.4</td> <td>18.1</td> <td>20.4</td> <td>21.5</td> <td>20.7</td> <td>26.5</td> </tr> <tr> <td rowspan="4">Near ETP</td> <td>PM10 (100 µg/m3)</td> <td>69</td> <td>62</td> <td>62</td> <td>74</td> <td>82</td> <td>80</td> </tr> <tr> <td>PM2.5 (60 µg/m3)</td> <td>26</td> <td>19</td> <td>18</td> <td>24</td> <td>26</td> <td>30</td> </tr> <tr> <td>SO2 (80 µg/m3)</td> <td>18.5</td> <td>15.5</td> <td>15.2</td> <td>13.8</td> <td>16.1</td> <td>20.5</td> </tr> <tr> <td>NO2 (80 µg/m3)</td> <td>21.6</td> <td>19.2</td> <td>20.4</td> <td>19.5</td> <td>21.5</td> <td>26.3</td> </tr> <tr> <td rowspan="4">Near DCS PCC Control Room</td> <td>PM10 (100 µg/m3)</td> <td>65</td> <td>73</td> <td>67</td> <td>62</td> <td>76</td> <td>78</td> </tr> <tr> <td>PM2.5 (60 µg/m3)</td> <td>23</td> <td>24</td> <td>21</td> <td>15</td> <td>24</td> <td>28</td> </tr> <tr> <td>SO2 (80 µg/m3)</td> <td>17.4</td> <td>16.8</td> <td>16.3</td> <td>15.1</td> <td>13.1</td> <td>18.3</td> </tr> <tr> <td>NO2 (80 µg/m3)</td> <td>20.2</td> <td>21.4</td> <td>19.2</td> <td>20.4</td> <td>17.6</td> <td>23.8</td> </tr> </tbody> </table> <p>The AAQM parameters are under prescribed limit</p>	AAQMS Monitoring								Location	Parameter	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Near Maingate	PM10 (100 µg/m3)	71	65	69	61	85	77	PM2.5 (60 µg/m3)	26	21	23	19	27	27	SO2 (80 µg/m3)	19.3	13.8	15.9	18.1	14.4	22.5	NO2 (80 µg/m3)	22.4	18.1	20.4	21.5	20.7	26.5	Near ETP	PM10 (100 µg/m3)	69	62	62	74	82	80	PM2.5 (60 µg/m3)	26	19	18	24	26	30	SO2 (80 µg/m3)	18.5	15.5	15.2	13.8	16.1	20.5	NO2 (80 µg/m3)	21.6	19.2	20.4	19.5	21.5	26.3	Near DCS PCC Control Room	PM10 (100 µg/m3)	65	73	67	62	76	78	PM2.5 (60 µg/m3)	23	24	21	15	24	28	SO2 (80 µg/m3)	17.4	16.8	16.3	15.1	13.1	18.3	NO2 (80 µg/m3)	20.2	21.4	19.2	20.4	17.6	23.8
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33	<p>Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.</p>	<p>Complied Unit has provided scrubber systems to reduce process vapors and monitored in plant DCS control systems. All processes are taken in a close loop to control process vapour emissions. Unit has ensured to take all necessary measures to reduce the process vapor emission.</p>																																																																																																							


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34	The fugitive emission in work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission. Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. Air borne dust shall be controlled with water sprinklers at suitable locations in the plant. A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.	<p>Complied</p> <p>Unit has followed below guidelines to reduce the fugitive emissions in the work zone.</p> <p>Internal roads have been concreted. Photograph of the same is given in Point No. 28</p> <p>Water sprinklers have been provided at suitable locations in the plant. Photograph of the same is given in Point No. 28</p> <p>Green belt has been developed in and around the plant boundary and roads to mitigate fugitive & transport dust emission. Photograph of the same is given in Point No. 28 Table of Dust Monitoring is given in point no. 28</p>																															
A.4 SOLID/HAZARDOUS WASTE																																	
35	ETP Sludge shall be disposed off at the active common TSDF.	<p>Complied</p> <p>ETP sludge is being disposed of to common TSDF sites such as BEIL. Membership certificate for TSDF site has been received and attached in Annexure-3</p> <p>Annual Generation & Disposal Quantity of Landfill Waste (ETP Sludge & Mee Salt) is as Follows:</p> <table border="1"> <thead> <tr> <th></th> <th>Month</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td>Waste</td> <td>Limit</td> <td colspan="6">4800 MT/ Year</td> </tr> <tr> <td rowspan="2">ETP Waste (35.3) (MT)</td> <td>Generation</td> <td>23.88</td> <td>19.82</td> <td>11.06</td> <td>30.62</td> <td>15.7</td> <td>22</td> </tr> <tr> <td>Disposal</td> <td>13.45</td> <td>23.44</td> <td>45.41</td> <td>24.51</td> <td>20.12</td> <td>11.05</td> </tr> </tbody> </table> <p>ETP Waste generation under Prescribed limit.</p> <p>The unit has disposed of all ETP Sludge & MEE salt to Common TSDF site (Beil, Dahej) during the Compliance Period (Oct 2023 to Mar 2024).</p>		Month	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Waste	Limit	4800 MT/ Year						ETP Waste (35.3) (MT)	Generation	23.88	19.82	11.06	30.62	15.7	22	Disposal	13.45	23.44	45.41	24.51	20.12	11.05
	Month	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24																										
Waste	Limit	4800 MT/ Year																															
ETP Waste (35.3) (MT)	Generation	23.88	19.82	11.06	30.62	15.7	22																										
	Disposal	13.45	23.44	45.41	24.51	20.12	11.05																										
36	Discarded containers/ drums/ bags/ contaminated HDPE / LDPE bags shall be disposed by selling to authorized recyclers.	<p>Complied</p> <p>Unit will discard containers/drums/ bags/contaminated HDPE/ LDPE bags by selling to authorized recyclers. Name of recycler : BEIL, Dahej.</p> <table border="1"> <thead> <tr> <th></th> <th>Month</th> <th>Oct, 23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td>Waste</td> <td>Limit</td> <td colspan="6">Whatsoever Generated</td> </tr> <tr> <td rowspan="2">Discard containers / drums/ bags/ contaminated HDPE / LDPE bags (33.1) (MT)</td> <td>Generation</td> <td>2.5</td> <td>0.5</td> <td>1.14</td> <td>0.00</td> <td>0.96</td> <td>0.00</td> </tr> <tr> <td>Disposal</td> <td>1.22</td> <td>0.86</td> <td>1.14</td> <td>0.66</td> <td>1.1</td> <td>0.00</td> </tr> </tbody> </table> <p>All Waste generation is under the Prescribed limit.</p>		Month	Oct, 23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Waste	Limit	Whatsoever Generated						Discard containers / drums/ bags/ contaminated HDPE / LDPE bags (33.1) (MT)	Generation	2.5	0.5	1.14	0.00	0.96	0.00	Disposal	1.22	0.86	1.14	0.66	1.1	0.00
	Month	Oct, 23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24																										
Waste	Limit	Whatsoever Generated																															
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37	Used oil shall be sold only to the registered re-processor or use for lubrication within premises.	<p>Complied. During the Compliance period Oct-23 to Mar-24, used oil was sent to the authorized registered recyclers. Details are as follows:</p> <table border="1" data-bbox="760 327 1601 617"> <thead> <tr> <th rowspan="2">Waste</th> <th>month</th> <th>Oct,23</th> <th>Nov,23</th> <th>Dec,23</th> <th>Jan,24</th> <th>Feb, 24</th> <th>Mar, 24</th> </tr> </thead> <tbody> <tr> <td>Limit</td> <td colspan="6">6 KL/Annum</td> </tr> <tr> <td rowspan="2">Used Oil Generation(5.1) (KL)</td> <td>Generation</td> <td>0.9</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Disposal</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>1.45</td> <td>0.0</td> </tr> </tbody> </table> <p style="text-align: center;">Used Oil Generation under prescribed limit</p>	Waste	month	Oct,23	Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24	Limit	6 KL/Annum						Used Oil Generation(5.1) (KL)	Generation	0.9	0.0	0.0	0.0	0.0	0.0	Disposal	0.0	0.0	0.0	0.0	1.45	0.0
Waste	month	Oct,23		Nov,23	Dec,23	Jan,24	Feb, 24	Mar, 24																								
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38	Spent carbon, Gypsum shall be sent for co-processing in cement industries or send to Common Hazardous Waste Incineration facility for incineration.	Complied unit has not generated the Spent Carbon till the date.																														
39	Management of spent solvent shall be as per the specific condition mentioned above.	Complied It is managed as required, data of solvent recovery is given in Point No. 3.																														
A.5 OTHER																																
40	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Jyoti Om Chemical Research Center Pvt. Ltd., Ankleshwar and submitted by project proponent vide letter no. NIL dated 02/02/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Complied Unit strictly adheres to the commitments made to the SEAC. Annexure-8																														
B. GENERAL CONDITIONS																																
B.1 CONSTRUCTION PHASE																																
41	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Complied Unit has used Fosrock make Plasticizer & Curing agent to reduce the water consumption during our construction phase. During the current monitoring phase, project based construction was not in place.																														
42	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Complied Unit is practicing Covering trucks and water sprinkling to eliminate dusting. During the current monitoring phase, project based construction was not in place.																														

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43	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied Adequate sanitary and hygienic conditions were provided.
44	First Aid Box shall be made readily available in adequate quantity at all the times.	Complied Unit has provided an adequate first aid box and is maintained in good condition. 
45	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Services) Act 1996 and Gujarat rules made there under their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	Complied Unit has converted to operation phase from construction phase and obtained -Factory Licence No. 41555 , dated: 1st February, 2020. Attached as Annexure-9
46	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.	Complied Noise monitoring is being carried out by an approved NABL / GPCB/ MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) The noise levels in the plant conform to the standards prescribed in the EPA Act, 1986. During the construction phase, mock drills were arranged by the safety department, now the unit is in operation phase, therefore monitoring the noise levels from time to time. Copy of the report has been attached as Annexure-10 . The Noise monitoring detail has been provided in Point No. 87.
47	Use of Diesel Generator (DG) sets during the construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Complied Unit was not using DG sets in construction phase- unit will ensure the compliance of emission standards during usage of DG sets. Monthly monitoring reports for flue gas emission are attached in Annexure-11
48	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	Complied Sewage waste water was collected and Treated of through a STP Plant.
49	All topsoil excavated during construction activity shall be used in horticulture/ landscape development within the project site.	Complied All the excavated soil was used for landscape developing and back filling within the premises.

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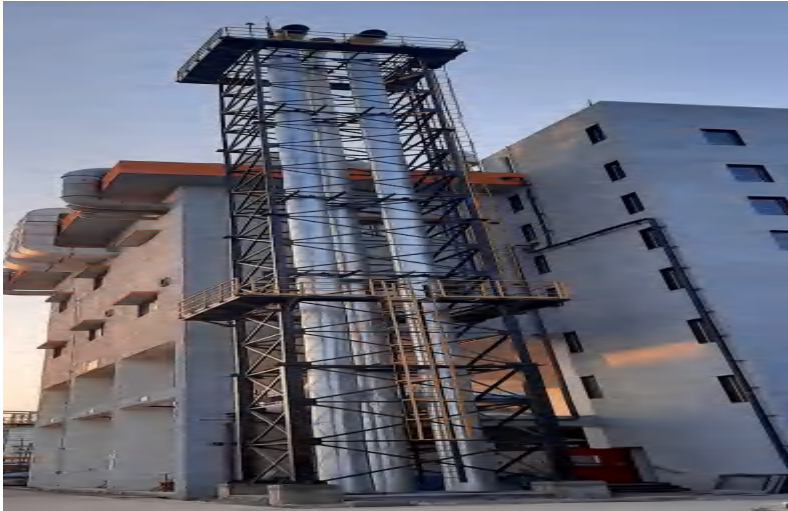
50	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create an adverse effect on neighbouring communities.	Complied All the excavated soil was used for landscape developing and back filling within the premises and our sister concerns units.
51	Project proponents shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	Complied Unit was using RMC and Lead free paint in the project.
52	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	Complied Unit has used PPC cement.

B.2 OPERATION PHASE

B.2.1 WATER

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


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B.2.2 AIR		
55	Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.	<p>Complied Unit has provided Acoustic enclosure to DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.</p>  <p>Report of Noise monitoring is attached in Annexure-10 The Noise monitoring detail has been provided in Point No. 87.</p>
56	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	<p>Complied. Unit has provided adequate stack height around 33 meter DG stack and scrubber around 11 meter for flue gas/ process gas emission.</p>
57	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.	<p>Complied Report of flue gas emission monitoring is attached in Annexure-11 & process gas emission monitoring of APCM scrubbers are attached in Annexure-12</p> 
58	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	<p>Complied All reactors and vessels are in a closed loop. VOC monitoring report of the workplace area is attached in Annexure-6. The same has been detailed in Point No. 29.</p>
B.2.3 HAZARDOUS/SOLID WASTE		


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59	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.	Complied Unit has received fresh CC&A order No. AWH-108072, Date of Issue 10/09/2020, Valid upto 19/02/2025. CC&A Amendment No. AWH - 113931 Dated on 22/09/2021, AWH - 113932 Dated: 08/10/2021 & AWH-123267 Dated: 18/12/2022 for product mix.. If required in future we will do amendments from time to time. Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/ Labelling-Form 8/ TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc.
60	Hazardous waste shall be dried, packed and stored in a separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied Unit has provided a hazardous waste storage area with a pucca bottom and leachate collection facility.  Photograph of Hazardous waste storage area
61	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	Complied Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in Annexure- 3
62	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988 and rules made there under.	Complied Unit is ensuring to deploy trucks/Tankers as per the provisions under the Motor Vehicle Act, 1988 and rules made there under for the transportation of hazardous waste. Unit is Following the AIS 140 based GPS tracking System for all the Hazardous Waste Vehicle.
63	The design of the Trucks/ tankers shall be such that there is no spillage during transportation.	Complied Unit is ensuring to deploy trucks/Tankers suitable for hazardous waste so that there will not be any leakage / spillage during transportation.
64	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied Unit is putting all efforts to pre-treat / process the hazardous waste before disposal to TSDF / CHWIF.
65	Management of fly ash (If any) shall be as per the Fly Ash Notification 2009 & its amendment time to time and it shall be ensures	Complied Fly ash is not being generated from the unit.


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


	that there is 100% utilization of fly ash to be generated from the unit.	
B.2.4 SAFETY		
66	The occupier/ manager shall strictly comply with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.	Complied The occupier has strictly complied with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.
67	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for Handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosive and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.	Complied The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989. PESO Certificate attached in Annexure-13 On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and same has been attached in Annexure-14
68	Main entry and exit shall be separate and clearly marked in the facility.	Complied Main entry & Exit were separated and have been constructed marked clearly. Photographs of Entry  Photograph of Exit 

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69	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Complied Sufficient peripheral open passage is provided in the margin area for free movement of fire tender/ emergency vehicle around the premises.
70	Storage of flammable chemicals shall be sufficiently away from the production area.	Complied Unit has been constructed as per prevailing rules of government authorities for storage of flammable chemicals. Photographs has been attached as below: 
71	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Complied Unit has provided 307 numbers of fire extinguishers near the plant and storage area. The fire extinguishers are installed in all the process plants such as DCA, DCP, SAC-CR Plant, NSASO2 Plant as well as in ETP, OHC, Admin, Canteen etc. It is installed on every floor in the premises. Annexure-15
72	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals.	Complied Unit is ensuring to take necessary precautions as per the prevailing rules of government authorities for storage and handling of toxic and hazardous chemicals.
73	All the toxic/ hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	Complied Unit will ensure to maintain optimum quantities of toxic / hazardous chemicals. All necessary permissions are obtained in this regard before commencing the expansion activities.
74	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report.	Complied The unit has adhered to the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report. The letter submitted to DISH for Risk Assessment Report, Safety Audit Report, QRA study. The same has been attached in Annexure-14 The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. Annexure-16
75	Only flameproof electrical fittings shall be provided in the plant premises.	Complied Unit has installed flameproof electrical fittings in the plant premises.

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76	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/ containers instead of on single large capacity tank/ containers.	Complied Unit has restricted the use of single large capacity tanks/ containers and 1 number of tanks are installed for the RM and pure product storage in the Tank farm area.
77	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/ dyke walls shall be provided for storage tanks for hazardous Chemicals.	Complied Unit has installed necessary engineering controls to avoid leakages and hazardous chemical storage tanks have been installed inside a Bund/ dyke wall. Photograph is attached as below: 
78	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer to that minimal human exposure occurs.	Unit has taken all necessary measures to minimize the human exposure to hazardous chemicals by closed loop pumping / vacuum transfer.
79	Tie up shall be done with nearby health care unit/ doctor for seeking immediate medical attention in the case of emergency.	Complied Unit has tied up with nearby health care units/ doctors for seeking immediate medical attention in the case of emergency. Unit has also developed OHC with all medical facility with factory medical officer and staff. The Unit have tie up with Sunshine Global Hospital, Healing Multispeciality Hospital and Baroda Heart Hospital for immediate medical attention in the case of emergency at the Bharuch District. The same has been attached in Annexure-17
80	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Complied Unit has maintained around 50 types of Personal Protective Equipment (PPEs) and provided the same to workers. Unit has encouraged and ensured that PPE's are used by workers as per the requirement for a particular job role. PPEs- Helmet, Goggles, Safety Shoes, Full body safety suit, Double anchored safety harness, Cartridge mask, antistatic hand gloves, bubble hood etc.
81	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied 14 Numbers of First Aid Box are available and required Antidotes (Methylene Blue, Dipotherene, etc) for the chemicals used in the unit are available in OHC at site.

																					
82	<p>Training shall be imparted to all the workers on safety and health aspects of chemicals handling.</p>	<p>Complied Training is given to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees are done on a regular basis. Training to all employees on handling chemicals is imparted regularly.</p> <table border="1" data-bbox="756 785 1604 1056"> <thead> <tr> <th rowspan="2">SR No.</th> <th colspan="3">Safety and Health aspects training to employees</th> </tr> <tr> <th>Total Employees</th> <th colspan="2">Safety Induction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>293</td> <td colspan="2">185</td> </tr> <tr> <th colspan="2">Month of Medical surveillance</th> <th>Total no. of Employees</th> <th>Total no. of Contract Employees</th> </tr> <tr> <td>1</td> <td>Oct 23 to Mar 24</td> <td>109</td> <td>281</td> </tr> </tbody> </table>	SR No.	Safety and Health aspects training to employees			Total Employees	Safety Induction		1	293	185		Month of Medical surveillance		Total no. of Employees	Total no. of Contract Employees	1	Oct 23 to Mar 24	109	281
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1	293	185																			
Month of Medical surveillance		Total no. of Employees	Total no. of Contract Employees																		
1	Oct 23 to Mar 24	109	281																		
83	<p>Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.</p>	<p>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.</p> <ul style="list-style-type: none"> - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers <p>Details of health surveillance of the employees and contract workers are given below:</p> <table border="1" data-bbox="878 1577 1476 1669"> <thead> <tr> <th>Month of surveillance</th> <th>Total no. of Employees</th> </tr> </thead> <tbody> <tr> <td>Oct- Mar,24</td> <td>390</td> </tr> </tbody> </table> <table border="1" data-bbox="878 1696 1476 1864"> <thead> <tr> <th>Month of Surveillance</th> <th>No. of Persons</th> </tr> </thead> <tbody> <tr> <td>Oct, 23</td> <td>62</td> </tr> <tr> <td>Nov, 23</td> <td>60</td> </tr> <tr> <td>Dec, 23</td> <td>69</td> </tr> </tbody> </table>	Month of surveillance	Total no. of Employees	Oct- Mar,24	390	Month of Surveillance	No. of Persons	Oct, 23	62	Nov, 23	60	Dec, 23	69							
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		<table border="1"> <tr> <td>Jan,24</td> <td>84</td> </tr> <tr> <td>Feb, 24</td> <td>61</td> </tr> <tr> <td>Mar, 24</td> <td>54</td> </tr> </table> <p>Medical Examination Summary & Sample Report have been attached in Annexure-18</p>	Jan,24	84	Feb, 24	61	Mar, 24	54
Jan,24	84							
Feb, 24	61							
Mar, 24	54							
84	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.	Complied We ensure that the Transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act and Rules.						
85	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied The unit has adhered to the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report. The letter submitted to DISH for Risk Assessment Report, Safety Audit Report, QRA study. The same has been attached in Annexure-14 The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. Annexure-16 .						
86	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Complied Necessary permission has been taken from PESO. Certificate issued from PESO is attached as Annexure-13 Unit has obtained Factory License No. 41555 , dated: 1st February, 2020. Attached as Annexure-9 The letter submitted to DISH for onsite emergency plan & safety report. The same has been attached in Annexure-14						

B.2.5 NOISE

87	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	Complied The Unit has taken necessary noise control measures by providing engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. Unit is monitoring noise level month wise in the operation phase. Report of Noise monitoring is attached in Annexure-10
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Details of Noise Monitoring

Loca tion	GPCB Limit		Month											
			Oct-23		Nov-23		Dec-23		Jan-24		Feb-24		Mar-24	
	Day	Night	Day	Nigh t	Day	Nigh t	Day	Nigh t	Day	Nigh t	Day	Nigh t	Day	Nigh t
	Noise Level dB (A)													
Near ETP area			64 .2	50 .2	63 .5	48 .8	66 .8	50 .2	65 .3	51 .3	68 .2	55 .2	69 .4	56 .7
Near D.G. Set			68 .3	53 .1	70 .2	52 .1	71 .4	55 .1	69 .3	58 .2	70 .6	52 .4	71 .3	53 .2
Near Main Gate			72 .1	54 .8	66 .2	55 .2	60 .2	48 .2	62 .2	50 .2	64 .5	48 .2	63 .2	49 .4
Near DCA	75 dB (A)	70 dB (A)	68	60	67	58	68	53	70	54	68	56	67	57

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	Plant	.2	.1	.3	.4	.2	.4	.2	.1	.2	.2	.6	.1
		Near Material Gate	65.7	52.3	66.1	53.6	61.1	51.3	62.5	53.2	63.2	49.1	62.1
Note: N.D.- Not Detected, BDL - Below Detection Limit													
All the parameters under prescribed limit													

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION


88	<p>The unit shall undertake the Cleaner Production Assessment study through a reputed institute /organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.</p>	<p>Complied Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat Approved by AICTE, New Delhi & Affiliated to GTU, Ahmedabad. Cleaner Production Assessment study report is attached as an Annexure-22</p>
89	<p>The company shall undertake various waste minimization measures such as:</p> <p>Metering and control of quantities of active ingredient to minimize waste</p> <p>Reuse of by-products from the process as raw materials or as raw materials substitutes.</p> <p>Use of automated and close filling to minimize spillages.</p> <p>Use of a close feed system into batch reactors.</p> <p>Venting equipment through vapour recovery system.</p> <p>Use of high pressure hoses for clearing to reduce wastewater generation.</p> <p>Recycling of washes to subsequent batches.</p> <p>Recycling of steam condensate.</p> <p>Sweeping/ mopping of floor instead of floor washing to avoid effluent generation.</p> <p>Regular preventive maintenance for avoiding leakages, spillages etc.</p>	<p>Complied The Unit has implemented waste minimization measures as mentioned below but not limiting to:</p> <p>Unit has taken all the possible action for the control of quantities of active ingredients to minimize waste.</p> <p>Unit has taken all the possible action for reuse of by-products from the process as raw materials or as raw materials substitutes.</p> <p>Unit has installed automated and close filling to minimize spillages.</p> <p>Closed feed system into batch reactors is in practice.</p> <p>Venting equipment through a vapour recovery system is in practice.</p> <p>Unit uses high pressure hoses for clearing to reduce wastewater generation.</p> <p>Unit is doing Recycling of washes to subsequent batches.</p> <p>Unit is doing Recycling of steam condensate.</p> <p>Unit is doing Sweeping/mopping the floor instead of floor washing to avoid effluent generation.</p> <p>Unit has done Regular preventive maintenance for avoiding leakages, spillages etc.</p>

B.2.7 GREEN BELT AND OTHER PLANTATION



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

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

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

B.3 OTHER CONDITION		
92	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	Complied The Unit ensures the rain water harvesting of the surface as well as rooftop runoff has been undertaken and the same water was used for the various activities of the project to conserve fresh water. Rain water harvesting tank with the capacity of 100 KL is provided for the Storage of Rain Water for using the collected water during the monsoon.
93	The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt./GIDC.	Complied The unit will participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or SEZ / GIDC or GPCB or any such authority created for this purpose by the Govt.
94	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.	Complied Solar energy had been incorporated for illumination of common areas, , lighting etc. 
95	The area earmarked as green area shall be used only for plantation and shall not be alerted for any other purpose.	Complied Unit has not constructed / used the green area for any other purposes. Total area of plot :- 54803.04 m2 Greenbelt within Plant Premises :- 10367.85 m2 , Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2 Green Belt at Luvara Village:- 5700 m2 Total Green Belt :- 18188.69 m2
96	All the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Complied Unit has strictly adhered to the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management.
97	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Complied We will comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
98	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted	Complied

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

	<p>until the desired efficiency of the control equipment has been achieved.</p>	<p>In the event of failure of any pollution control system, the unit will be safely closed down and will not be restarted until the desired efficiency of the control equipment has been achieved. The plant is controlled by DCS system.</p>
<p>99</p>	<p>The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.</p>	<p>Complied The unit is strictly adhering to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.</p>
<p>100</p>	<p>During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.</p>	<p>Complied</p> <ol style="list-style-type: none"> 1. Unit has ensured no spillages during material transfer and garland drains have been constructed to avoid mixing of accidental spillages with domestic wastewater or stormwater. 2. For transfer of material to a tanker or tanker to a tank, a dyke wall has been made to prevent spillage and mixing with domestic & stormwater. 3. For the transfer of effluent to ETP, dedicated pits with automated pumps are present to prevent overflow. <p>photos of garland tank, dyke wall, dedicated pits with automated pumps</p>  

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

101	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Complied Pucca flooring has been provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination. Photographs of the same are Given in Point no. 7.									
102	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Complied Unit has ensured to not take up any further expansion or modifications in the plant likely to cause environmental impacts without obtaining prior Environment Clearance from the concerned authority. EC expansion has been received on vide number SEIAA/GUJ/EC/5(f)/192 dated 14.02.2023. attached as an Annexure-24 .									
103	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted. We will implement and follow all the rules and regulations under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.									
104	The project proponent shall comply with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time in a letter and spirit.	Complied The project proponent has complied with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time. The CER/CSR activities list have been attached herewith <table border="1" data-bbox="760 1058 1604 1535"> <thead> <tr> <th data-bbox="760 1058 992 1205">Name of Associated NGO</th> <th data-bbox="992 1058 1297 1205">Nature of Work</th> <th data-bbox="1297 1058 1604 1205">Amount (Rs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="760 1205 992 1402">Sewa Rural</td> <td data-bbox="992 1205 1297 1402">Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School</td> <td data-bbox="1297 1205 1604 1402">0.42 lacs-</td> </tr> <tr> <td data-bbox="760 1402 992 1535">Self</td> <td data-bbox="992 1402 1297 1535">Greenbelt development opposite to Tatva Chintan Plant</td> <td data-bbox="1297 1402 1604 1535">80 lacs</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (Rs)	Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-	Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs
Name of Associated NGO	Nature of Work	Amount (Rs)									
Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-									
Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs									
105	The project management shall ensure that the unit complies with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	Complied. Unit has complied with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report. The same has been attached in Annexure-16 .									
106	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the	Complied The Unit has provided adequate funds and has not diverted the funds provided to implement the conditions stipulated by SEIAA as well as GPCB.									

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

	<p>implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.</p>	<p>The unit has allocated funds towards expenses of operation for waste water treatment plant, environmental monitoring, auditing and Hazardous waste disposal.</p>
<p>107</p>	<p>The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy of each of the same shall be forwarded to the concerned Regional Office of the Ministry.</p>	<p>Complied The advertisement regarding the environmental clearance was given in the local newspapers and the copy of the same was submitted to the concerned regional office.</p> <div data-bbox="764 485 1479 905" data-label="Image"> <p>The image shows a Gujarati advertisement with the title 'સાંચી ઇન્ડીસ્ટ્રીઝ લિમિટેડ (યુનિટ-૧) પર્યાવરણીય સ્વચ્છતા'. The text provides details about the environmental clearance for the project at Plot No. Z/103/C, Dahej SEZ-II, Bharuch. It mentions the SEIAA file number SEIAA/GUJ/EC/5(1)/391/2018 dated 31st March 2018 and states that a copy of the clearance letter is available at the Gujarat Pollution Control Board office in Bharuch and Gandhinagar, and also on the SEIAA website.</p> </div> <div data-bbox="764 978 1479 1619" data-label="Image"> <p>The image is an English public notice titled 'PUBLIC NOTICE ENVIRONMENTAL CLEARANCE'. It states that the State level Environment Impact Assessment Authority, Gandhinagar, Gujarat has accorded environmental clearance for the proposed manufacturing of Synthetic Organic Chemicals by M/s. Aarti Industries Limited (Unit-II) at Plot No. Z/103/C, Dahej SEZ-II, Dahej, Bharuch Gujarat. The SEIAA file number is SEIAA/GUJ/EC/5(1)/391/2018, dated 31st March, 2018. A copy of the clearance letter is placed at the office of Gujarat Pollution Control Board (Bharuch & Gandhinagar) and may also be seen at the website of State level Environment Impact Assessment Authority, Gandhinagar, Gujarat at http://seiaa.gujarat.gov.in/. The date is 21-04-2018. The notice is signed by the Director.</p> </div>
<p>108</p>	<p>It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.</p>	<p>Complied Last half yearly compliance report for the period of Apr 2023 to Sep 2023 submitted on the date of 1st Dec, 2023.</p>

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

109	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
110	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied Unit will strictly adhere to the stipulations made by the Gujarat Pollution Control Board.
111	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
112	The company in a time bound manner shall implement these conditions. The SIEAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted.
113	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied Unit has received fresh CC&A order No AWH-108072, dated-10/09/2020, Valid upto 19/02/2025 and further amendment was done with AWH-113931 dated on 22/09/2021 & AWH-113932 dated on 08/10/2021.
114	This environmental clearance is valid for seven years from the date of issue.	Noted.
115	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
116	Submission of any false or misleading information or data which is material to screening of scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted.

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/12/AIL-2/S-011	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-011	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	47

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/12/AIL-2/S-014	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-014	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/02/AIL-2/S-011	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-011	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

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

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

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TEST REPORT
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Test Report No.	UERL/24/02/AIL-2/S-014	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-014	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/01/AIL-2/S-011	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-011	Service Request Date	19/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	19/01/2024	Date of Testing	20/01/2024
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.
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***** End of Report *****

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(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/01/AIL-2/S-014	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-014	Service Request Date	19/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	19/01/2024	Date of Testing	20/01/2024
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/03/AIL-2/S-004	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-004	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	43

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/03/AIL-2/S-014	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-014	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	24/03/2024
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	44

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/11/AIL-2/S-011	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-011	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	52

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/11/AIL-2/S-014	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-014	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	Scrubber Connected to NSA (S-10)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	42

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/10/AIL-2/S-011	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-011	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/10/AIL-2/S-014	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-014	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/12/AIL-2/S-006	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-006	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/12/AIL-2/S-007	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-007	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	44

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	8.3	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.2	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/02/AIL-2/S-006	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-006	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/02/AIL-2/S-007	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-007	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	3.1	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/01/AIL-2/S-006	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-006	Service Request Date	20/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	20/01/2024	Date of Testing	22/01/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	3.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/01/AIL-2/S-007	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-007	Service Request Date	19/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	19/01/2024	Date of Testing	20/01/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	9.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.3	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/03/AIL-2/S-005	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-005	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	54

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	3.4	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/03/AIL-2/S-013	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-013	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.6	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.7	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/11/AIL-2/S-006	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-006	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	40

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	5.6	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/11/AIL-2/S-007	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-007	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	42

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	14.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	3.2	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/10/AIL-2/S-006	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-006	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	2.2	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/10/AIL-2/S-007	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-007	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	45


➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	5.5	**	GC Method

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


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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

FORM NO. 37


(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/12/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 25/12/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.16	0.16	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

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

(Manager - Operations)

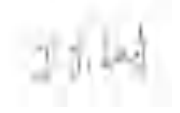
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/12/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCA Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst
2) Product- 2,5 Di Chloro Aniline.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 25/12/2023

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

** Limit has not been defined as per factory act

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

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/12/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCP Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Aniline, Sulphuric Acid,
2) Product- Dichloro Phenol.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 25/12/2023

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

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

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

(Manager - Operations)

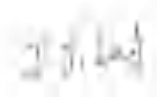
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/12/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCA Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst
2) Product- 2,5 Di Chloro Aniline.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 25/12/2023

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

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

(Manager - Operations)


FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/12/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCP Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Aniline, Sulphuric Acid,
2) Product- Dichloro Phenol.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 25/12/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 st Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.055	0.055	5 mg/m³	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

(Manager - Operations)


FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/12/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - ETP Plant.
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 25/12/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

Note: BDL – Below Detection Limit.

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

(Manager - Operations)

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

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

Test Report No. UERL/24/02/WAM-AIL-U2-001

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


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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 13/02/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.25	0.25	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/02/WAM-AIL-U2-002

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

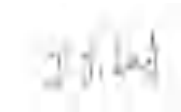
Adress: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 13/02/2024

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

** Limit has not been defined as per factory act

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/02/WAM-AIL-U2-003

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

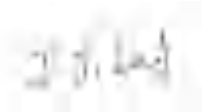
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 13/02/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/02/WAM-AIL-U2-004

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

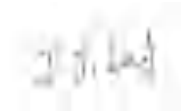
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 13/02/2024

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/02/WAM-AIL-U2-005

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


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

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 13/02/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 st Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m ³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m ³	EPA Method				
3		Sulphur Dioxide (mg/m ³)		01	0.055	0.055	5 mg/m ³	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/02/WAM-AIL-U2-006

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


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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 13/02/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene-O (ppm)	Handy Sampler	01	1.6	1.6	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-8)

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

Test Report No. UERL/24/01/WAM-AIL-U2-001

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 19/01/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	Total Dust (mg/m ³)	Handy Sampler	01	0.22	0.22	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

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

Authorized By:



Jaivik S. Tandel
(Manager - Operations)



FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/24/01/WAM-AIL-U2-002

1. Name of industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
2. Name of the Department / Plant: - DCA Plant
3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst
2) Product- 2,5 Di Chloro Aniline.
4. Particulars of sampling: - Work Place Monitoring.
5. Date of Monitoring: - 19/01/2024

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

** Limit has not been defined as per factory act

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

Authorized By:



J. J. Lad

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/24/01/WAM-AIL-U2-003

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
2. Name of the Department / Plant: - DCP Plant
3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,
2) Product- Dichloro Phenol.
4. Particulars of sampling: - Work Place Monitoring.
5. Date of Monitoring: - 19/01/2024

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

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

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



Authorized By:

Jai Vik S. Tandell

Jai Vik S. Tandell

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-8)

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

Test Report No. UERL/24/01/WAM-AIL-U2-004

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
2. Name of the Department / Plant: - DCA Plant
3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst
2) Product- 2,5 Di Chloro Aniline.
4. Particulars of sampling: - Work Place Monitoring.
5. Date of Monitoring: - 20/01/2024

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

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

Authorized By:



Jai Vik S. Tandell

(Manager - Operations)



FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).
Test Report No. UERL/24/01/WAM-AIL-U2-005

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
2. Name of the Department / Plant: - DCP Plant
3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,
2) Product- Dichloro Phenol.
4. Particulars of sampling: - Work Place Monitoring.
5. Date of Monitoring: - 19/01/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range						
1	DCP Plant (1 st Floor) (3F0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	GC Method	04	All Process Activities are running.	J.J. Lad	JITEN LAD
2		Sulphuric Acid (mg/m ³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	EPA Method				
3		Sulphur Dioxide (mg/m ³)		01	0.055	0.055	IS-5182 (Part-2) (RA 2017)				

Note: BDL - Below Detection Limit.

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

Authorized By:



Jalvik S. Tandel

(Manager - Operations)



FORM NO. 37

(Prescribed under Rule 12-8)

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

Test Report No. UERL/24/01/WAM-AIL-U2-006

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
2. Name of the Department / Plant: - ETP Plant.

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

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 19/01/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.	J. J. Lad	JITEM LAD

Note: BDL - Below Detection Limit.

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



Authorized By:

Jaivik S. Tandiel

Jaivik S. Tandiel

(Manager - Operations)

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

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

Test Report No. UERL/24/03/WAM-AIL-U2-001

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


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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 23/03/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.22	0.22	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/03/WAM-AIL-U2-002

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


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

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 23/03/2024

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

** Limit has not been defined as per factory act

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/03/WAM-AIL-U2-003

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

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

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 23/03/2024

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

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/03/WAM-AIL-U2-004

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

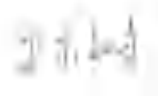
Address: Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

Name of the Department / Plant: - DCA Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 23/03/2024

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/03/WAM-AIL-U2-005

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


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

Name of the Department / Plant: - DCP Plant

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 23/03/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 st Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.064	0.064	5 mg/m³	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

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

Test Report No. UERL/24/03/WAM-AIL-U2-006

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


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

Name of the Department / Plant: - ETP Plant.

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

Particulars of sampling: - Work Place Monitoring.

Date of Monitoring: - 23/03/2024

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

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

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37


(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/11/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 24/11/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.22	0.22	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

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

(Manager - Operations)

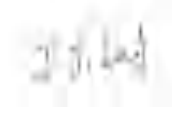
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/11/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCA Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst
2) Product- 2,5 Di Chloro Aniline.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 24/11/2023

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

** Limit has not been defined as per factory act

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

Jaivik S. Tandel

(Manager - Operations)

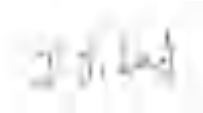
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/11/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCP Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Aniline, Sulphuric Acid,
2) Product- Dichloro Phenol.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 25/11/2023

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

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

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

(Manager - Operations)

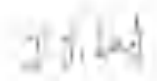
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/11/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCA Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst
2) Product- 2,5 Di Chloro Aniline.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 25/11/2023

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

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

(Manager - Operations)


FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/11/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCP Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Aniline, Sulphuric Acid,
2) Product- Dichloro Phenol.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 25/11/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 st Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.055	0.055	5 mg/m³	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

(Manager - Operations)


FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/11/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - ETP Plant.
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 23/11/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

Note: BDL – Below Detection Limit.

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

(Manager - Operations)

FORM NO. 37


(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/10/WAM-AIL-U2-001**1. Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

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

2. Name of the Department / Plant: - ETP Plant.**3. Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.**4. Particulars of sampling:** - Work Place Monitoring.**5. Date of Monitoring:** - 25/10/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.12	0.12	10 mg/m ³	NIOSH 0500	15	All Process Activities are running.		JITEN LAD

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

(Manager - Operations)

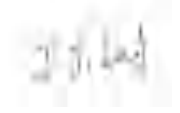
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/10/WAM-AIL-U2-002

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCA Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst
2) Product- 2,5 Di Chloro Aniline.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 25/10/2023

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

** Limit has not been defined as per factory act

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

Jaivik S. Tandel

(Manager - Operations)

FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/10/WAM-AIL-U2-003

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCP Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Aniline, Sulphuric Acid,
2) Product- Dichloro Phenol.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 26/10/2023

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

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

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

(Manager - Operations)

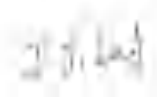
FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/10/WAM-AIL-U2-004

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCA Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst
2) Product- 2,5 Di Chloro Aniline.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 26/10/2023

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

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

(Manager - Operations)


FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/10/WAM-AIL-U2-005

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - DCP Plant
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Di Chloro Aniline, Sulphuric Acid,
2) Product- Dichloro Phenol.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 26/10/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	DCP Plant (1 st Floor) (3P0117-A)	Phenol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method	04	All Process Activities are running.		JITEN LAD
2		Sulphuric Acid (mg/m³)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method				
3		Sulphur Dioxide (mg/m³)		01	0.055	0.055	5 mg/m³	IS-5182 (Part-2) (RA 2017)				

Note: BDL – Below Detection Limit.

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

(Manager - Operations)


FORM NO. 37

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/10/WAM-AIL-U2-006

- Name of Industries:** M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
- Name of the Department / Plant:** - ETP Plant.
- Raw materials, by-products and finished products involved in the process:** - **1) Raw Material:** Lime, Poly. **2) Product:** Treated Effluent.
- Particulars of sampling:** - Work Place Monitoring.
- Date of Monitoring:** - 23/10/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.		JITEN LAD

Note: BDL – Below Detection Limit.

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

(Manager - Operations)



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

MONTH: DECEMBER-2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/12/AIL-2/A-001	Report Issue Date: 04/1012024
Location : AAQM-1 : Near Main Gate	Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	06/12/2023	73	24	14.7	17.5
2	07/12/2023	67	21	16.3	19.2
3	13/12/2023	74	26	18.3	21.9
4	14/12/2023	69	23	15.9	20.4
5	21/12/2023	68	22	13.6	17.2
6	22/12/2023	72	24	15.2	20.4
7	26/12/2023	70	25	14.1	18.6
8	27/12/2023	74	27	16.8	21.5
Max.		74	27	18.3	21.9
Min.		67	21	13.6	17.2
98th Percentile		74.0	27	18.1	21.8
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:  Nikunj D. Patel (Chemist)	Authorized By:  Jaivik S. Tandel (Manager - Operations)
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Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: DECEMBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/12/AIL-2/A-002

Report Issue Date: 04/1012024

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	06/12/2023	70	22	19.5	25.4
2	07/12/2023	74	25	19.3	23.4
3	13/12/2023	69	23	17.5	21.2
4	14/12/2023	62	18	15.2	20.4
5	21/12/2023	75	24	18.5	22.8
6	22/12/2023	68	23	20.4	26.2
7	26/12/2023	72	26	21.8	27.2
8	27/12/2023	66	22	18.6	24.5
Max.		75	26	21.8	27.2
Min.		62	18	15.2	20.4
98th Percentile		74.9	25.9	21.6	27.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)



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

MONTH: DECEMBER-2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/12/AIL-2/A-003	Report Issue Date: 04/1012024
Location : AAQM-3 : Near DCS PCC Control Room)	Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	06/12/2023	66	20	15.1	20.9
2	07/12/2023	68	23	17.1	21.1
3	13/12/2023	73	24	14.7	17.5
4	14/12/2023	67	21	16.3	19.2
5	21/12/2023	74	26	18.3	21.9
6	22/12/2023	66	20	15.9	20.4
7	26/12/2023	68	22	13.6	17.2
8	27/12/2023	72	24	15.2	20.4
Max.		74	26	18.3	21.9
Min.		66	20	13.6	17.2
98th Percentile		73.9	25.7	18.1	21.8
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

<p>Checked By:</p>  <p>Nikunj D. Patel (Chemist)</p>	<p>Authorized By:</p>  <p>Jaivik S. Tandel (Manager - Operations)</p>
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Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
 Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
 By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: FEBRUARY-2024

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/24/02/AIL-2/A-001	Report Issue Date: 06/03/2024
Location : AAQM-1 : Near Main Gate	Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	06/02/2024	82	26	15.4	21.8
2	07/02/2024	88	28	16.1	20.2
3	15/02/2024	93	32	13.8	17.3
4	16/02/2024	85	27	14.4	20.7
5	20/02/2024	80	25	16.7	23.1
6	21/02/2024	82	27	15.9	21.1
7	27/02/2024	75	24	14.8	22.3
8	28/02/2024	80	29	17.3	23.7
Max.		93	32	17.3	23.7
Min.		75	24	13.8	17.3
98th Percentile		92.3	31.6	17.2	23.6
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

<p>Checked By:</p>  <p>Nikunj D. Patel (Chemist)</p>	<p>Authorized By:</p>  <p>Jaivik S. Tandel (Manager - Operations)</p>
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Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: FEBRUARY-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/02/AIL-2/A-002

Report Issue Date: 06/03/2024

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	06/02/2024	85	28	17.3	20.5
2	07/02/2024	90	32	14.3	19.8
3	15/02/2024	88	29	15.2	18.6
4	16/02/2024	82	26	16.1	21.5
5	20/02/2024	84	28	17.8	22.8
6	21/02/2024	78	25	14.9	20.1
7	27/02/2024	82	26	15.7	21.9
8	28/02/2024	86	29	18.1	23.4
Max.		90	32	18.1	23.4
Min.		78	25	14.3	18.6
98th Percentile		89.7	31.6	18.1	23.3
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

MONTH: FEBRUARY-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/02/AIL-2/A-003

Report Issue Date: 06/03/2024

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	06/02/2024	75	23	15.5	19.2
2	07/02/2024	80	25	14.9	18.6
3	15/02/2024	82	27	16.0	21.3
4	16/02/2024	76	24	13.1	17.6
5	20/02/2024	78	26	15.3	21.8
6	21/02/2024	72	22	16.6	22.6
7	27/02/2024	74	24	17.1	20.9
8	28/02/2024	81	28	15.8	22.1
Max.		82	28	17.1	22.6
Min.		72	22	13.1	17.6
98th Percentile		81.9	27.9	17.0	22.5
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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

MONTH: JANUARY-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/01/AIL-2/A-001

Report Issue Date: 04/02/2024

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/01/2024	70	21	17.7	23.4
2	04/01/2024	74	26	15.8	19.6
3	10/01/2024	65	18	16.7	22.3
4	11/01/2024	61	19	18.1	21.5
5	18/01/2024	72	24	16.4	22.5
6	19/01/2024	65	22	15.7	21.6
7	23/01/2024	62	16	18.1	23.5
8	24/01/2024	72	24	17.5	20.4
9	30/01/2024	73	26	20.5	25.1
10	31/01/2024	66	20	16.4	22.1
Max.		74	26	20.5	25.1
Min.		61	16	15.7	19.6
98th Percentile		73.8	26.0	20.1	24.8
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

MONTH: JANUARY-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/01/AIL-2/A-002

Report Issue Date: 04/02/2024

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/01/2024	78	26	19.5	22.4
2	04/01/2024	72	23	18.6	25.2
3	10/01/2024	82	28	16.5	23.4
4	11/01/2024	74	24	13.8	19.5
5	18/01/2024	76	23	15.6	19.7
6	19/01/2024	69	21	17.2	23.4
7	23/01/2024	79	25	14.1	17.6
8	24/01/2024	71	22	16.4	22.1
9	30/01/2024	73	26	14.1	18.6
10	31/01/2024	69	23	16.8	21.5
Max.		82	28	19.5	25.2
Min.		69	21	13.8	17.6
98th Percentile		81.5	27.6	19.3	24.9
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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

MONTH: JANUARY-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/01/AIL-2/A-003

Report Issue Date: 04/02/2024

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/01/2024	72	23	17.6	20.8
2	04/01/2024	73	28	19.2	26.1
3	10/01/2024	66	23	15.4	18.6
4	11/01/2024	62	15	15.1	20.4
5	18/01/2024	67	21	19.8	23.5
6	19/01/2024	72	25	17.6	23.4
7	23/01/2024	63	19	13.2	15.8
8	24/01/2024	65	18	18.4	24.6
9	30/01/2024	70	25	20.5	25.1
10	31/01/2024	74	27	16.4	22.1
Max.		74	28	20.5	26.1
Min.		62	15	13.2	15.8
98th Percentile		73.8	27.8	20.4	25.9
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)



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

MONTH: MARCH-2024

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/24/03/AIL-2/A-001	Report Issue Date: 03/04/2024
Location : AAQM-1 : Near Main Gate	Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	01/03/2024	82	27	17.2	23.3
2	02/03/2024	88	32	20.8	25.1
3	08/03/2024	75	26	16.7	20.3
4	09/03/2024	77	27	22.5	26.5
5	18/03/2024	79	29	19.1	23.4
6	19/03/2024	82	26	18.8	22.3
7	27/03/2024	84	30	20.3	25.3
8	28/03/2024	76	25	19.8	24.5
Max.		88	32	22.5	26.5
Min.		75	25	16.7	20.3
98th Percentile		87.4	31.7	22.3	26.3
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

<p>Checked By:  Nikunj D. Patel (Chemist)</p>	<p>Authorized By:  Jaivik S. Tandel (Manager - Operations)</p>
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Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: MARCH-2024

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/24/03/AIL-2/A-002	Report Issue Date: 03/04/2024
Location : AAQM-2 : Near ETP Plant	Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	01/03/2024	86	31	18.5	23.6
2	02/03/2024	76	27	17.3	24.1
3	08/03/2024	78	29	19.1	23.2
4	09/03/2024	80	30	20.5	26.3
5	18/03/2024	75	22	21.3	24.8
6	19/03/2024	74	23	20.4	25.6
7	27/03/2024	78	26	22.5	27.3
8	28/03/2024	72	24	23.4	26.8
Max.		86	31	23.4	27.3
Min.		72	22	17.3	23.2
98th Percentile		85.2	30.9	23.3	27.2
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

<p>Checked By:</p>  <p>Nikunj D. Patel (Chemist)</p>	<p>Authorized By:</p>  <p>Jaivik S. Tandel (Manager - Operations)</p>
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Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: MARCH-2024

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	01/03/2024	72	23	18.9	23.1
2	02/03/2024	80	29	18.2	22.3
3	08/03/2024	76	25	20.2	24.1
4	09/03/2024	78	28	18.3	23.8
5	18/03/2024	82	23	22.5	27.1
6	19/03/2024	72	24	21.2	26.3
7	27/03/2024	80	32	19.2	24.1
8	28/03/2024	78	27	20.5	25.5
Max.		82	32	22.5	27.1
Min.		72	23	18.2	22.3
98th Percentile		81.7	31.6	22.3	27.0
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

<p>Checked By:</p>  <p>Nikunj D. Patel (Chemist)</p>	<p>Authorized By:</p>  <p>Jaivik S. Tandel (Manager - Operations)</p>
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Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
 Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
 By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: NOVEMBER-2023

DISCIPLINE: CHEMICAL TESTING	NAME OF GROUP: ATMOSPHERIC POLLUTION
Test Report No: UERL/23/11/AIL-2/A-001	Report Issue Date: 04/12/2023
Location : AAQM-1 : Near Main Gate	Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/11/2023	75	26	16.2	21.5
2	03/11/2023	78	28	14.8	17.7
3	08/11/2023	74	26	12.3	16.2
4	09/11/2023	65	21	13.8	18.1
5	16/11/2023	70	23	16.8	22.3
6	17/11/2023	80	28	14.3	18.1
7	21/11/2023	72	23	17.5	20.7
8	22/11/2023	74	25	15.1	18.8
Max.		80	28	17.5	22.3
Min.		65	21	12.3	16.2
98th Percentile		79.7	28	17.4	22.2
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

<p>Checked By:</p>  <p>Nikunj D. Patel (Chemist)</p>	<p>Authorized By:</p>  <p>Jaivik S. Tandel (Manager - Operations)</p>
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Ambient Air Quality Monitoring Data
For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)
 Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.
 By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: NOVEMBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/11/AIL-2/A-002

Report Issue Date: 04/12/2023

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/11/2023	66	24	15.3	20.1
2	03/11/2023	60	20	12.8	18.3
3	08/11/2023	70	23	14.8	22.4
4	09/11/2023	62	19	15.5	19.2
5	16/11/2023	67	22	16.1	22.6
6	17/11/2023	62	18	15.8	23.5
7	21/11/2023	64	20	18.2	20.7
8	22/11/2023	59	16	16.6	21.3
Max.		70	24	18.2	23.5
Min.		59	16	12.8	18.3
98th Percentile		69.6	23.9	18.0	23.4
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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

MONTH: NOVEMBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/11/AIL-2/A-003

Report Issue Date: 04/12/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/11/2023	69	24	13.8	19.3
2	03/11/2023	64	23	17.3	21.4
3	08/11/2023	79	28	14.6	22.6
4	09/11/2023	73	24	16.8	21.4
5	16/11/2023	72	28	14.8	20.5
6	17/11/2023	62	16	18.3	18.2
7	21/11/2023	70	25	15.2	20.3
8	22/11/2023	64	21	17.5	20.7
Max.		79	28	18.3	22.6
Min.		62	16	13.8	18.2
98th Percentile		78.2	28.0	18.2	22.4
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

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

MONTH: OCTOBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/10/AIL-2/A-001

Report Issue Date: 07/11/2023

Location : AAQM-1 : Near Main Gate

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/10/2023	78	33	19.5	25.2
2	03/10/2023	77	30	17.2	24.2
3	12/10/2023	69	28	20.6	27.3
4	13/10/2023	71	26	19.3	22.4
5	17/10/2023	73	29	16.6	25.6
6	18/10/2023	76	32	17.2	21.3
7	26/10/2023	76	29	18.4	23.5
8	27/10/2023	72	31	21.2	28.1
9	30/10/2023	80	27	22.4	24.4
10	31/10/2023	75	25	19.5	22.1
Max.		80	33	22.4	28.1
Min.		69	25	16.6	21.3
98th Percentile		79.6	32.8	22.2	28.0
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

MONTH: OCTOBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

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

Report Issue Date: 07/11/2023

Location : AAQM-2 : Near ETP Plant

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/10/2023	69	23	21.1	22.5
2	03/10/2023	71	24	21.3	23.3
3	12/10/2023	71	29	23.6	25.2
4	13/10/2023	69	26	18.5	21.6
5	17/10/2023	72	30	22.4	26.7
6	18/10/2023	73	27	20.1	24.2
7	26/10/2023	74	25	20.6	27.2
8	27/10/2023	81	29	21.5	26.6
9	30/10/2023	71	30	18.7	22.7
10	31/10/2023	70	23	22.2	24.4
Max.		81	30	23.6	27.2
Min.		69	23	18.5	21.6
98th Percentile		79.7	30.0	23.4	27.1
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

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

MONTH: OCTOBER-2023

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

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

Report Issue Date: 07/11/2023

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

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

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/10/2023	75	19	15.2	19.9
2	03/10/2023	66	22	16.4	21.3
3	12/10/2023	73	28	20.1	23.5
4	13/10/2023	65	23	17.4	20.2
5	17/10/2023	69	20	18.7	22.7
6	18/10/2023	72	26	15.5	20.8
7	26/10/2023	70	24	14.7	19.6
8	27/10/2023	72	21	20.5	21.6
9	30/10/2023	69	18	16.8	22.4
10	31/10/2023	65	20	17.4	20.8
Max.		75	28	20.5	23.5
Min.		65	18	14.7	19.6
98th Percentile		74.6	27.6	20.4	23.4
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)


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

E-mail : dyccebaroda@explosives.gov.in

Phone/Fax No : 0265 - 2225159

संख्यां /No. : P/WC/GJ/15/2712 (P423120)

दिनांक /Dated : 02/09/2022

सेवा में
/To,

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

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

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

महोदय
/Sir(s),

कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या **OIN1117305** दिनांक **23/08/2022** का संदर्भ ग्रहण करें ।

Reference to your letter No. **OIN1117305** dated **23/08/2022** on the above subject.

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

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

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

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

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

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

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

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

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TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/14/AIL-2/N-001	Date of Report:	04/01/2024
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

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

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

Date of Monitoring: 25/12/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
2.	New D.G. Set	71.4	55.1	75 dB (A)	70 dB (A)
3.	Near Main Gate	60.2	48.2	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.2	53.4	75 dB (A)	70 dB (A)
5.	Near Material Gate	61.1	51.3	75 dB (A)	70 dB (A)

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/24/02/AIL-2/N-001	Date of Report:	05/03/2024
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981.		

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

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

Date of Monitoring: 14/02/2024

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
1.	Near ETP Area	68.2	55.2	75 dB (A)	70 dB (A)
2.	New D.G. Set	70.6	52.4	75 dB (A)	70 dB (A)
3.	Near Main Gate	64.5	48.2	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.2	56.2	75 dB (A)	70 dB (A)
5.	Near Material Gate	63.2	49.1	75 dB (A)	70 dB (A)

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/24/02/AIL-2/N-001	Date of Report:	04/02/2024
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981.		

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

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

Date of Monitoring: 19/01/2024

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
2.	New D.G. Set	69.3	58.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	62.2	50.2	75 dB (A)	70 dB (A)
4.	Near DCA Plant	70.2	54.1	75 dB (A)	70 dB (A)
5.	Near Material Gate	62.5	53.2	75 dB (A)	70 dB (A)

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/24/03/AIL-2/N-001	Date of Report:	03/04/2024
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981.		

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

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

Date of Monitoring: 23/03/2024

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	69.4	56.7	75 dB (A)	70 dB (A)
2.	New D.G. Set	71.3	53.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	63.2	49.4	75 dB (A)	70 dB (A)
4.	Near DCA Plant	67.6	57.1	75 dB (A)	70 dB (A)
5.	Near Material Gate	62.1	48.6	75 dB (A)	70 dB (A)

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/11/AIL-2/N-001	Date of Report:	04/12/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

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

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

Date of Monitoring: 24/11/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
2.	New D.G. Set	70.2	52.1	75 dB (A)	70 dB (A)
3.	Near Main Gate	66.2	55.2	75 dB (A)	70 dB (A)
4.	Near DCA Plant	67.3	58.4	75 dB (A)	70 dB (A)
5.	Near Material Gate	66.1	53.6	75 dB (A)	70 dB (A)

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

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


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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/10/AIL-2/N-001	Date of Report:	07/11/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2 Diamond). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

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

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

Date of Monitoring: 25/10/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
				75 dB (A)	70 dB (A)
1.	Near ETP Area	64.2	50.2	75 dB (A)	70 dB (A)
2.	New D.G. Set	68.3	53.1	75 dB (A)	70 dB (A)
3.	Near Main Gate	72.1	54.8	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.2	60.1	75 dB (A)	70 dB (A)
5.	Near Material Gate	65.7	52.3	75 dB (A)	70 dB (A)

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/12/AIL-2/S-004	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-004	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) (S-4)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	42

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/12/AIL-2/S-005	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-005	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2) (S-5)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/12/AIL-2/S-006	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-006	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/12/AIL-2/S-007	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-007	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	44

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	8.3	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.2	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/12/AIL-2/S-008	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-008	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.3	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/12/AIL-2/S-009	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-009	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	50

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	3.3	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/12/AIL-2/S-010	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-010	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	HNO3 Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	6.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/12/AIL-2/S-011	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-011	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	47

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/12/AIL-2/S-012	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-012	Service Request Date	26/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	26/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-9)		
Air Pollution Control Device	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/12/AIL-2/S-013	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-013	Service Request Date	26/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	26/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	SAC And TAR Plant. (S-10)		
Air Pollution Control Device	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	40

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/12/AIL-2/S-014	Report Issue Date	04/01/2024
Service Request form No.	UERL/AIR/D/SRF/12/S-014	Service Request Date	25/12/2023
Sample ID No.	UERL/AIR/D/ID/S-23/12/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/12/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/12/2023	Date of Testing	26/12/2023
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/02/AIL-2/S-011	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-011	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	29
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/02/AIL-2/S-014	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-014	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/02/AIL-2/S-006	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-006	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/02/AIL-2/S-004	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-004	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) (S-4)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/02/AIL-2/S-005	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-005	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2) (S-5)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/02/AIL-2/S-008	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-008	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Devise	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/02/AIL-2/S-009	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-009	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/02/AIL-2/S-010	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-010	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	HNO3 Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	5.8	25	IS: 11255 (Part 7): 2005 RA.2017

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/02/AIL-2/S-012	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-012	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-9)		
Air Pollution Control Devise	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/02/AIL-2/S-013	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-013	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	SAC And TAR Plant. (S-10)		
Air Pollution Control Device	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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


Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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


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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/02/AIL-2/S-007	Report Issue Date	05/03/2024
Service Request form No.	UERL/AIR/D/SRF/02/S-007	Service Request Date	14/02/2024
Sample ID No.	UERL/AIR/D/ID/S-24/02/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/02/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	14/02/2024	Date of Testing	15/02/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	3.1	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/01/AIL-2/S-011	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-011	Service Request Date	19/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	19/01/2024	Date of Testing	20/01/2024
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/01/AIL-2/S-014	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-014	Service Request Date	19/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	19/01/2024	Date of Testing	20/01/2024
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/01/AIL-2/S-006	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-006	Service Request Date	20/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	20/01/2024	Date of Testing	22/01/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	3.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/01/AIL-2/S-004	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-004	Service Request Date	20/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	20/01/2024	Date of Testing	22/01/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) (S-4)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/01/AIL-2/S-005	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-005	Service Request Date	20/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	20/01/2024	Date of Testing	22/01/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2) (S-5)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	44

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/01/AIL-2/S-008	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-008	Service Request Date	20/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	20/01/2024	Date of Testing	22/01/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/01/AIL-2/S-009	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-009	Service Request Date	20/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	20/01/2024	Date of Testing	22/01/2024
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	4.2	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/01/AIL-2/S-010	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-010	Service Request Date	19/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	19/01/2024	Date of Testing	20/01/2024
Stack Sampling Attached to	HNO3 Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	47

➤ Test Parameter Results

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/01/AIL-2/S-012	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-012	Service Request Date	19/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	19/01/2024	Date of Testing	20/01/2024
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-9)		
Air Pollution Control Devise	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	46

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/01/AIL-2/S-013	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-013	Service Request Date	19/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	19/01/2024	Date of Testing	20/01/2024
Stack Sampling Attached to	SAC And TAR Plant. (S-10)		
Air Pollution Control Device	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	42

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/01/AIL-2/S-007	Report Issue Date	05/02/2024
Service Request form No.	UERL/AIR/D/SRF/01/S-007	Service Request Date	19/01/2024
Sample ID No.	UERL/AIR/D/ID/S-24/01/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/01/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	19/01/2024	Date of Testing	20/01/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	9.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.3	**	GC Method

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

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

Checked By:



Nikunj D. Patel
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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/03/AIL-2/S-004	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-004	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	31
3.	Flue Gas Temperature	°C	43

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/03/AIL-2/S-005	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-005	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	54

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	3.4	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/03/AIL-2/S-006	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-006	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) (S-4)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/03/AIL-2/S-007	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-007	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2) (S-5)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	47

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



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(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/03/AIL-2/S-008	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-008	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	2.4	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/03/AIL-2/S-009	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-009	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	53

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



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(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/03/AIL-2/S-010	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-010	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	HNO3 Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	6.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

Checked By:



Nikunj D. Patel
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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/24/03/AIL-2/S-011	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-011	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-9)		
Air Pollution Control Devise	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/03/AIL-2/S-012	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-012	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	SAC And TAR Plant. (S-10)		
Air Pollution Control Device	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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


➤ Test Parameter Results

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

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


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

Checked By:



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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/03/AIL-2/S-013	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-013	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	26/03/2024
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.6	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.7	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/24/03/AIL-2/S-014	Report Issue Date	03/04/2024
Service Request form No.	UERL/AIR/D/SRF/03/S-014	Service Request Date	23/03/2024
Sample ID No.	UERL/AIR/D/ID/S-24/03/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/03/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	23/03/2024	Date of Testing	24/03/2024
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C	44

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/11/AIL-2/S-004	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-004	Service Request Date	24/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	24/11/2023	Date of Testing	25/11/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	50

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



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(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/11/AIL-2/S-005	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-005	Service Request Date	24/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	24/11/2023	Date of Testing	25/11/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	43

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:



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Authorized By:



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(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/11/AIL-2/S-006	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-006	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	40

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	5.6	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



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Authorized By:



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(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/11/AIL-2/S-007	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-007	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	42


➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	14.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	3.2	**	GC Method

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


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

Checked By:



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(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/11/AIL-2/S-008	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-008	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	8.5	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/11/AIL-2/S-009	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-009	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	6.2	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/11/AIL-2/S-010	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-010	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	HNO3 Tank. (S-8)		
Air Pollution Control Device	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/11/AIL-2/S-011	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-011	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	52

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/11/AIL-2/S-012	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-012	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank. (S-10)		
Air Pollution Control Devise	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/11/AIL-2/S-013	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-013	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	SAC And TAR Plant. (S-4)		
Air Pollution Control Device	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	40

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:



Nikunj D. Patel
(Chemist)

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(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/11/AIL-2/S-014	Report Issue Date	04/12/2023
Service Request form No.	UERL/AIR/D/SRF/11/S-014	Service Request Date	25/11/2023
Sample ID No.	UERL/AIR/D/ID/S-23/11/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/11/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/11/2023	Date of Testing	26/11/2023
Stack Sampling Attached to	Scrubber Connected to NSA (S-10)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	28
3.	Flue Gas Temperature	°C	42

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/10/AIL-2/S-004	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-004	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/004
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/10/AIL-2/S-005	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-005	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/005
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/10/AIL-2/S-006	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-006	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/006
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	2.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/10/AIL-2/S-007	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-007	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/007
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Device	Venturi Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	5.5	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/10/AIL-2/S-008	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-008	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/008
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO ₂ Tank Farm. (S-6)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	46

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/10/AIL-2/S-009	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-009	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/009
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)		
Air Pollution Control Device	Water Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	4.2	**	GC Method

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/10/AIL-2/S-010	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-010	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/010
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	HNO3 Tank. (S-8)		
Air Pollution Control Devise	3 Stage Lime Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	45

➤ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm ³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

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

Checked By:



Nikunj D. Patel
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Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/23/10/AIL-2/S-011	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-011	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/011
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

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

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/10/AIL-2/S-012	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-012	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/012	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/012
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	Liquid SO ₃ & Oleum Tank.		
Air Pollution Control Device	Acid Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	55

➤ Test Parameter Results

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/10/AIL-2/S-013	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-013	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/013
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	SAC And TAR Plant.		
Air Pollution Control Devise	Alkali Spray Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	55

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/23/10/AIL-2/S-014	Report Issue Date	07/11/2023
Service Request form No.	UERL/AIR/D/SRF/10/S-014	Service Request Date	25/10/2023
Sample ID No.	UERL/AIR/D/ID/S-23/10/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/10/014
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	25/10/2023	Date of Testing	26/10/2023
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Device	Alkali Scrubber		

➤ Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	48

➤ Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)



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

04th SEPTEMBER, 2020

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

Sub: Membership Certificate for Common Incineration Facility

Dear Sir,

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

Thanking you,

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


AUTHORISED SIGNATORY



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

REF: BEIL/ANK/2022

12th JULY, 2022

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

Sub: Membership Certificate for Common Solid Waste Disposal Facility

Dear Sir,

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

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

Thanking you;

Yours faithfully,

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

AUTHORISED SIGNATORY

Certificate



Certificate No : 4100009271

To whomsoever it may concern
This is to certify that

AARTI INDUSTRIES LTD UNIT 2

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

is a valid member of

Recycling Solutions Private Limited Unit-II

for Alternate Fuel Resource Facility.

This membership is valid for a period of
10 Years

For, Recycling Solutions Private Limited Unit-II

Date of issue : 02.06.2020

Date of expiration : 01.06.2030

Place of issue : SURAT


Director/Authorised signatory

Waste Information

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

SUBJECT TO JURISDICTION



Certificate

Certificate No.: 1200004040

To Whomsoever it may concern

This is to certify that

AARTI INDUSTRIES LIMITED

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

BHARUCH
is a valid member of

SAURASHTRA ENVIRO PROJECTS PVT. LTD.

for

Integrated Common Incineration Facility

This membership is valid for a period of

5 Years

Date of Issue : 17.09.2020

Date of Expiration : 16.09.2025

Place of Issue : Surat

For, Saurashtra Enviro Projects Pvt. Ltd.

Director

SUBJECT TO SURAT JURISDICTION

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

Subject: Submission of documents as discussed during the meeting.


Respected Sir,

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

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

Thanking You,
For, Aarti Industries Limited,


Sandip Parekh
(Authorized Signatory)

 14/7/2023
धुनियर डाल
औद्योगिक सवाभली उन्ने स्वास्थ्य
ભરૂચ

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

3	Eyewash station and safety showers shall be made available	Complied. Plant wise ,Floor wise installed safety shower and eye wash station i.e Dyphoterine kits boxes.
4	Dust monitoring shall be carried out periodically	Complied. Dust monitoring is being carried out monthly by a third party.
ii. Cleaning of Chemical Spillage.		
1	Certified Dust respirator shall be used	Complied. ISI certified dust mask is provided to all workers and employees who are working at a dusty workplace. Form 37 (Workplace Monitoring) attached in Annexure 11 .
2	PPEs shall be used.	Complied. All workmen use appropriate PPEs during working time.
3	Chemicals will be stored in isolated storage rooms having provision for natural & forced ventilation.	Complied. Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.
4	Spillage shall be cleaned or neutralized with suitable media	Complied. Spillages will be cleaned/neutralized with suitable media when required.
5	Fire fighting facilities shall be made available near storage locations, if required	Complied. Near the storage yard, Portable fire extinguishers stand, Fire bucket stands, Fire Hydrant Systems, Fire Manual call points, Fire alarm etc has been provided.
Additional Recommendations		
1	Operators/Workers to be trained for Safe Work Practices	Complied. Safety training is provided periodically for Safe Work Practices and job SOP is given to all employees.
2	Chemical handling bags & dusty area to be labeled properly for each chemicals.	Complied. Chemical bags and dusted areas are labeled properly for each chemical.

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

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

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

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

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

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

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

4	Double Jumper clip shall be provided to all solvent handling pipelines.	Complied. Double Jumper clip shall be provided to all solvent handling pipelines.
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Agreement between of Baroda Heart Multispeciality Hospital, Bharuch & Aarti Industries Limited, Dahej (Zone III)

This agreement is between Baroda Heart Multispeciality Hospital, Bharuch and Aarti Industries Limited, Dahej (Zone III) on 1st September 2019.

Terms and condition of the agreement is as below:

- Hospital hereby undertakes to extend its services (OPD/IPD/emergency/medical & surgical treatment including Laboratory investigations & pharmacy expanses) on credit basis to the persons designated by Aarti Industries Limited, Dahej (Zone III) .
- Prior to sending patient at hospital company personal will telephonically communicate with concern person of the hospital (Details are attached).
- Patient shall show ID card at the hospital provided by Aarti Industries Limited at the time of admission or consultation. Company HR department or Factory Medical Officer will communicate through mail for treatment on credit basis within 24 hours in case of admission.
- The company will make the payment within twenty five working days after the discharge of the patients.(Scan copy of the bill will be e-mailed to company immediately on discharge & Hard copy of the bill will be couriered at your plant)

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

Aarti Industries Limited, Dahej (Zone III):

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industries.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas Gaurav	Zone Safety Head	9099005387	vilas.gaurav@aarti-industries.com
5	Mr. Atul Dave	Sr. Manager - Safety	9898997921	atul.dave@aarti-industries.com
6	Dr. Sanjay Hansoti	Factory Medical officer	9904706759	sanjay.hansoti@aarti-industries.com

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

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

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


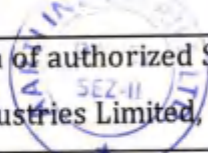
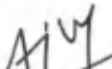

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.

<https://docs.google.com/document/d/1Cqv2SxndexjMrCHWQVjHjwYtJUYhY8PE1CqzJ1tA/edit>
 P : 022-87978668, F : 022-2565 3234 | E : info@aarti-industries.com



Baroda Heart Hospital, Bharuch:

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Meet Shah	Business Development Officer	9727746344	mkt-bhmsh@bhirc.com
2	Mr. Ajay Secretary	Unit Head	9727763817	unithead-bhmsh@bhirc.com
3	Ms. Mayuri Rana	Operation Manager	7405411258	Operations-bhmsh@bhirc.com

 	 
Name & Sign of authorized Signatory Aarti Industries Limited, Dahej	Name & Sign of authorized Signatory Baroda Heart Multispeciality Hospital, Bharuch

Date:

Place:

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

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

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

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

<https://docs.google.com/document/d/1C0v25xhdexMChWQVjHjwYTxUyhy0PE1C9zJJ1A/edit>
 P : 022-67978666, F : 022-25553234 | E : info@aarti-industries.com



Agreement between of Sunshine Global Hospitals, Bharuch & Aarti Industries Limited, Dahej (Zone III)

This agreement is between Sunshine Global Hospitals, Bharuch and Aarti Industries Limited, Dahej (Zone III) on 1st September 2019.

Terms and condition of the agreement is as below:

- Hospital hereby undertakes to extend its services (OPD/IPD/emergency/medical & surgical treatment including Laboratory investigations & pharmacy expenses) on credit basis to the persons designated by Aarti Industries Limited, Dahej (Zone III) ..
- Prior to sending patient at hospital company personal will telephonically communicate with concern person of the hospital (Details are attached).
- Patient shall show ID card at the hospital provided by Aarti Industries Limited at the time of admission or consultation. Company HR department or Factory Medical Officer will communicate through mail for treatment on credit basis within 24 hours in case of admission.
- The company will make the payment within twenty five working days after the discharge of the patients.(Scan copy of the bill will be e-mailed to company immediately on discharge & Hard copy of the bill will be couriered at your plant)

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

Aarti Industries Limited, Dahej (Zone III):

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industries.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas Gaurav	Zone Safety Head	9099005387	vilas.gaurav@aarti-industries.com
5	Mr. Atul Dave	Sr. Manager - Safety	9898997921	atul.dave@aarti-industries.com
6	Dr. Sanjay Hansoti	Factory Medical officer	9904706759	sanjay.hansoti@aarti-industries.com



**AARTI
INDUSTRIES
LIMITED**

Sunshine Global Hospital, Bharuch:

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Jayesh Gohil	Business Development	8980006817	marketing.bharuch@sunshineglobalhospitals.com
2	Mr. Ravi Patel	Head Operation & Marketing	8758780000	ravi.patel@sunshineglobalhospitals.com

Name & Sign of authorized Signatory Aarti Industries Limited, Dahej	Name & Sign of authorized Signatory Sunshine Global Hospital, Bharuch

Date:

Place:

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

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

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

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

<https://docs.google.com/document/d/1c852561Df7vGopfrd8pKYDvStw2K4p0t4k01w460/edit> | info@aarti-industries.com



Medical Certificate of Fitness

Date : 10/04/2023

We hereby certify that we have carefully examined Mr. Manojkumar Kharva Age 24Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.



Pre- employment Medical health Check-up

Sign of Consultant:

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Stamp of Consultant:



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: MANOJ KUMAR KHARVA

Age: 24

Sex: MALE

Present Medical Illness: NIL

Past Medical History : APPENDIX OPERATED

Dietary Habits : MIX

Addiction History : NIL

Family Medical History : NIL

Occupational History : NIL

Height: 169 cms Weight: 51.4 Kgs BMI: 18.0 Kg/m²

BP: 120/70 mmHg PR: 99 /min T: - F SpO₂: 98 %

General Examination :

CNS : WELL ORIENTED & CONSCIOUS. CVS : S1 & S2 HEARD NORMAL

RS : BIL AIR ENTRY PA : NORMAL.

Trismus Test :

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N16</u>	<u>N16</u>
Far Vision	<u>6/6</u>	<u>6/6</u>
Colour Vision	<u>NAD</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms Manoj Kumar and have found his/her reports to be authentic. Kharya

Date: 10/06/2023 Signature of Medical Officer

Place: BHARUCH.

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	MANOJ KUMAR KHARVA
Age / Sex :	24 / MALE

Present Medical Illness :	NIL
Past Medical History :	APPENDIX OPERATED
Dietary Habits :	MIX
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	169 cm	Weight :	51.4 Kgs	BMI :	18.0 Kg/m ²
----------	--------	----------	----------	-------	------------------------

Temperature :	F	Pulse Rate :	89 /min
Blood Pressure :	120/70 mm Hg	SpO2 :	98 %

Trismus Test	-
--------------	---

General Examination	NORMAL
Central Nervous System	NORMAL
Ear/Nose/Throat	NORMAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	NORMAL
Musculoskeletal System	NORMAL.

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour vision	NAD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	5600	Bld group	A ₁ B	RBS	29.0	LFT	2215
RFT	1.2	G6PD	12.0	HBsAg	NON Reactive	Ur R&M	NORMAL
PFT	NORMAL	PTA		ECG	WNL	CXR	NORMAL

I have personally examined Mr/Ms. Manoj Kumar Icherya and have verified his/her reports to be authentic.

Remarks (If any) :

Name of Physician	DR. DEVKUMAR VARMA M.D. (PATH), MBBS, CIH OCCUPATIONAL HEALTH CONSULTANT REG. NO.: G-11075
Stamp	
Date	10/04/2023
Place	BHARUCH.



Aarti Industries Limited

Self Declaration of Medical History

Name:	MANOJKUMAR KHARVA	Age/Sex:	24 MALE
Agency Name:		Function:	
Division Name:		Emp. code/ Gate pass No.:	

Do you have any of the following health problems?		Yes	No	Remark
If Yes, specify in remark coloum				
1	High / low blood pressure			
2	Diabetes Mellitus (Blood Sugar Problem)		✓	
3	Heart related problems - Chest pain, Heart Attack, Congenital conditions, valvular heart disease etc.		✓	
4	Respiratory related problems - Asthma/Shortness of breath/Chronic cough etc.		✓	
5	Nervous system related problems - Convulsion/Fits/Paralysis/Polio etc.		✓	
6	Liver/Gall Bladder related problems like jaundice /Hepatitis/Gall stones etc.		✓	
7	Digestive system related problems - Peptic ulcer/bloody vomiting or stool/irregular bowel habits etc.		✓	
8	Kidney related problems - Renal stones/Blood in urine etc		✓	
9	Blood related problems - Anemia/Low platelet count/Sickle cell anemia/Thalessemia etc.		✓	
10	Any endocrine related disorder like thyroid conditions etc		✓	
11	Musculoskeletal disorders - Backache/Limb deformity/disc problem/joints problem etc.		✓	
12	Eye related problems - Refractive errors/colour blindness/squint/cataract etc.		✓	
13	Do you wear any contact lenses?		✓	
14	Ear related problems - Ear discharge/hearing loss/tinnitus etc.		✓	
15	Skin related problems - Rashes/psoriasis/scars etc.		✓	
16	Are you suffering from any communicable diseases? - Tuberculosis/HIV/Hepatitis B /Leprosy etc.		✓	
17	Mental Health related problem		✓	
18	Any Allergy - Drug/Food/Other		✓	
19	Vertigo / Giddiness		✓	
20	Phobia (Fear of hight or closed places/darkness)		✓	
21	Ankle swelling/Hernia / Hydrocele/Abdominal swelling etc		✓	
22	Any history of hospitalisation in past?		✓	
23	Any history of past surgeries?	✓		APPENDIX
24	Consumption/Habit - Drug/Alcohol/Tobbaco/Smoking?	✓		
25	Any history of long term medications? OR currently taking any medication?		✓	
26	Any history of occupational injuries/illness in past?		✓	
27	Any past history of cyanosis? (Bluish discolouration of tongue/lips/nails)		✓	
28	Family History of Diabetes/Hypertension/Heart Attack/Mental disorder/ Asthma/cancer		✓	
29	For Female Last Menstrual Period _____ Any gynaecological disorder?		✓	
30	Any present complaints?		✓	
Additional Remark				

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.
For non-routine work only : I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 10/4/23
Place: Bhuvnuch


Sign/Left thumb Impression of candidate



आरती इंडस्ट्रीज लिमिटेड

मेडिकल हिस्ट्री की स्व घोषणा

नाम:	MANOJKUMAR KHARVA	उम और लिंग:	24 male
एजेंसी का नाम:		फंक्शन:	
डिप्टीजिन:		एम्प्लोयी कोड / नेट पास नं:	

क्या आपको निम्नलिखित स्वास्थ्य समस्या है ?		हाँ	नहीं	टिप्पणी
यदि हाँ, तो विस्तार में बताये				
1	ब्लड प्रेशर की बीमारी (रक्तचाप)		✓	
2	डायबिटीस - शुगर की बीमारी (मधुमेह)		✓	
3	हृदय से जुड़ी हुई समस्या - छाती में दर्द / हाई एटेक/जन्मजात हृदय की बीमारी विगेरे		✓	
4	श्वसन संबंधी समस्याएं - अस्थमा / सांस की तकलीफ / ज्यादा समय से छाती विगेरे		✓	
5	टिमाग सम्बंधित समस्या (मिर्गी - खींच आना, लकवा होना, पॉन्जियो विगेरे)		✓	
6	निबर / पित्तशय से संबंधित समस्या जैसे पॉन्जिया / हेपेटाइटिस / पित्त की पथरी विगेरे		✓	
7	पाचन तंत्र सम्बंधित समस्या - पेट में छाते / उलटी या संडास में खून आना / विगेरे		✓	
8	किडनी संबंधी समस्या - यूरिन में जलन / पथरी का दर्द / यूरिन में खून आना विगेरे		✓	
9	रक्त संबंधी समस्याएं - हीमोग्लोबिन की कमी / ट्रान्क कजिका की कमी / सिकल सेल एनीमिया / थैलेसीमिया विगेरे		✓	
10	थायरॉइड (खोंगा/गोडटर) जैसी कोई अंतः सावी समस्या		✓	
11	कमर दर्द / अंग विकृति / शीठ की हड्डी / डिस्क की समस्या / जोड़ी की समस्या विगेरे		✓	
12	आँखों सम्बंधित समस्या - नजर की कमजोरी / रंग पहचानने में तकलीफ होना / मोतिया बिन्दु विगेरे		✓	
13	क्या आप कॉन्टेक्ट लेंस पहनते हो ?		✓	
14	कान के सम्बंधित समस्या - कान में पाक(पस) होना / सही से सुनाई न देना / विगेरे		✓	
15	त्वचा सम्बंधित समस्या - लाल चकाले होना / सोरियासिस / घाव - विकृति के निशान विगेरे		✓	
16	क्या आप किसी संक्रमित रोग से पीड़ित हो ? - क्षय रोग / एच आई वी / हेपेटाइटिस बी / कुष्ठ रोग विगेरे		✓	
17	मानसिक बीमारी		✓	
18	किसी दवाई / खाना / या अन्य कोई चीज की अलार्जी		✓	
19	घनकर आना		✓	
20	ऊंचाई से डर लगना / अँधेरे से डर लगना विगेरे		✓	
21	पैर में सूजन / हलिया / हीड्रोसिल / पेट में पानी भरना विगेरे		✓	
22	क्या आप कभी अस्पताल में भर्ती हुए हो ?	✓		
23	कभी कोई ऑपरेशन / सर्जरी हुआ है ?	✓		Appendix
24	किसी भी नशीली दवा / शराब / तंबाकू का सेवन / धूम्रपान		✓	
25	क्या आपने लम्बे समय तक कोई दवाइया खाई है ? या वर्तमान में कोई दवा ले रहा है ?		✓	
26	क्या आपको कभी कोई व्यवसाय सम्बंधित घोट / बीमारी हुई है ?		✓	
27	क्या कभी जीअ / होठ या नाखुनो में नीलापन हुआ है ?		✓	
28	क्या आपके परिवार में किसी को रक्तचाप/शुगर की बीमारी / हाई अटेक / मानसिक बीमारी / दमा / कैंसर है ?		✓	
29	महिलाओं के लिए आखरी मासिक की तारीख _____ सही रोग संबंधी समस्या		✓	
30	हाल में कोई समस्या / बीमारी है ?		✓	
अतिरिक्त टिप्पणी				

में प्रमाणित करता हूँ की मेरे द्वारा दिया गया उपर्युक्त विवरण मेरी जानकारी और विश्वास के अनुसार सही और पूर्ण है।
केवल नॉन रुटीन काम के लिये - मैं इस बात की घोषणा करता हूँ कि मैं कंपनी नीति के उल्लंघन में रासायनिक प्रक्रिया सेवो में काम नहीं करूंगा।

दिनांक: 10/4/23
स्थल: Bharuch.

व्यक्ति के हस्ताक्षर या बाएंजुंठे का निशान

FORM NO. 33
(Prescribed under Rule 68-T and 102)


Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

- | | | | |
|----|--|---|--------------------|
| 1. | Serial number in the register of adult workers | : | |
| 2. | Name of the person examined | : | MANDJ KUMAR KHARVA |
| 3. | Father's Name | : | RAMESH BHAI KHARVA |
| 4. | Sex | : | MALE |
| 5. | Residence | : | ANAND |
| 6. | Date of birth, if available | : | 03/22/2999 |
| 7. | Name & address of the factory | : | |
| 8. | The worker is employed/proposed | : | |
| | (a) Hazardous process | : | |
| | (b) Dangerous operation | : | |

I certify that I have personally examined the above named person whose identification marks are... MOLE ON FACEand who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 24 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.


Signature or left hand thumb
Impression of the person examined:

Signature of the Factory Medical Officer:
DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO. G-11075

Stamp of factory
Medical Officer with

Name of the Factory:



TEST REPORT



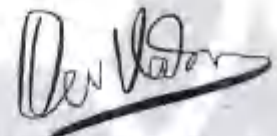
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobin	14.0	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	5.2	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	48.8	%	40 - 50	Cumulative Pulse Height
MCV	99.6	fL	83 - 101	Derived From RBC Histogram
MCH	28.5	pg	27 - 32	Calculated
MCHC	33.5	%	31.5 - 34.5	Calculated
RDW	13.0	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	5600	/c.mm	4000 - 10000	Electrical Impedance
Differential Count [%]		Unit	Biological Ref. Interval [Abs.]	Unit Biological Ref. Interval
<i>(Flowcytometry /MICROSCOPY)</i>				
Polymorphs	65	%	40 - 80	3640 /c.mm 2000 - 7000
Lymphocytes	25	%	20 - 40	1400 /c.mm 1000 - 3000
Monocytes	08	%	2 - 10	448 /c.mm 200 - 1000
Eosinophils	02	%	1 - 6	112 /c.mm 00 - 500
Basophils	00	%	0 - 2	0 /c.mm 00 - 100
Neutrophil to Lymphocyte Ratio (NLR)	2.6	%	0.78 - 3.53	Calculated
Platelet Count	236000	/c.mm	150000 - 410000	Electrical Impedance
ESR	05	mm		Modified westergren method
REFERENCES	(1) Practical Hematology by Dacie & Lewis (12th Edition). (2) Nathan/Oski, Hematology of Infancy and Childhood (7th Edition,2009).			

----- End Of Report -----



* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489



2301000817

TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.0	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.8	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.3	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.5	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	22.5	U/L	0 - 40	IFCC
S.G.O.T. (AST)	15.6	U/L	0 - 40	IFCC
Alkaline Phosphatase	65.0	U/L	35 - 105	AMP
Random Plasma Glucose	89.0	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----

Approved by: Dr. Dev Varma
 M.D. (Pathologist)
 Reg. No. G-2489

* Bold Indicates Abnormal Values
 This is an electronically authenticated report.



TEST REPORT



Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	1.2	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	33.0	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	15.4	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	12.8	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

* Bold Indicates Abnormal Values
This is an electronically authenticated report.



TEST REPORT



2301000817

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

SERUM CHOLINESTERASE ESTIMATION

(Specimen: Serum)

Investigation	Result	Unit	Biological Reference Interval	Method
Cholinesterase	5556.0	U/ml	4250 - 12000	Dri-chemistry

Comments:

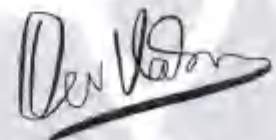
- Cholinesterase is also called pseudocholinesterase.
- **The main indicators for measuring pseudocholinesterase are:**
 - Monitoring exposure to cholinesterase inhibitors
 - As a liver function test
 - Diagnosis of genetic variants.
- The most important use of cholinesterase is to measure the exposure to organophosphorus compounds like organophosphate insecticide which are irreversible inhibitors of both pseudocholinesterase and acetylcholinesterase.
- For individuals working in industries manufacturing organophosphate insecticides, a baseline measurement is recommended. A decrease of 40% from baseline produces symptoms and a decrease of 80% from baseline leads to severe symptoms.
- Pseudocholinesterase reflects acute toxicity while acetyl cholinesterase (true cholinesterase) reflects chronic exposure

Decreased levels:

- Organophosphate poisoning .
- Liver diseases like Acute hepatitis, Cirrhosis & Metastatic carcinoma to liver.
- Malnutrition

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----



* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc. DMLT
Director & Founder
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489
Reg. No. G-2489

DR. NITESH PATEL
M.D. Microbiology
Reg. No. G-24903
Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, B.K. Costa, Behind Super Market, Station Rd., Bharuch, Gujarat-392001
H 101/102, First Floor, B.K. Costa, Behind Super Market, Station Rd., Bharuch, Gujarat-392001



2301000817

TEST REPORT

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Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quntitative	12.0	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

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Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval
HBsAg Qualitative	Non- Reactive		Non -Reactive

----- End Of Report -----

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This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489



2301000817

TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)

Method : (Microscopic Examination)

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

* Bold Indicates Abnormal Values

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TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Investigation	Result	Method
ABO TYPE	"A"	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

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2301000817

TEST REPORT

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.))

Investigation	Result	Biological Ref. Interval	Method
PHYSICAL EXAMINATION			
<u>Colour</u>	Pale Yellow	Pale Yellow	
<u>Transparency</u>	Clear	Clear	
CHEMICAL EXAMINATION			
(Automated Strip test)			
<u>Specific Gravity</u>	1.015	1.005 - 1.025	
<u>Reaction (pH)</u>	6.0	4.5 - 8.0	
<u>Sugar</u>	Absent	Absent	
<u>Acetone</u>	Absent	Negative	
<u>Proteins</u>	Absent	Absent	
<u>Bilirubin</u>	Absent	Negative	
<u>Urobilinogen</u>	Absent	Negative	
<u>Leukocyte Esterase</u>	Absent	Negative	
<u>Nitrite</u>	Absent	Negative	
<u>Blood</u>	Absent	Negative	

MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref. Interval	Method (Microscopy)
<u>Pus Cells</u>	1-2	/HPF	Absent	
<u>Red Cells</u>	NIL	/HPF	Absent	
<u>Epithelial Cells</u>	3-4	/HPF	Absent	

----- End Of Report -----



TEST REPORT



2301000817

Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 10/04/2023 10:51	Reg. No.	: 2301000817
Account	: LAB	Mobile No.	:

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

ID: 27

MANOJKUMAR
Male 24Years

10-04-2023 11:17:06

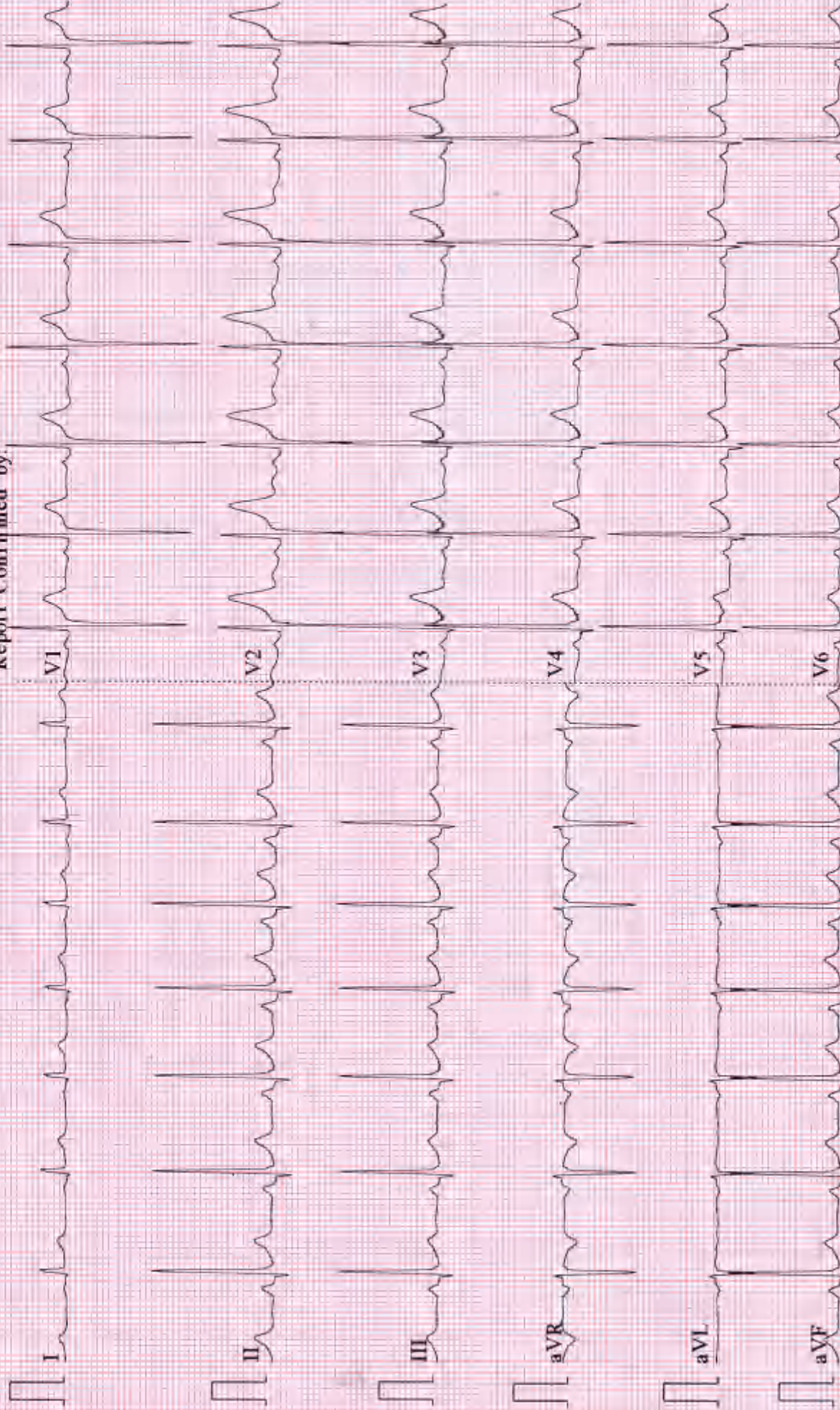
HR : 85 bpm
 P : 92 ms
 PR : 139 ms
 QRS : 68 ms
 QT/QTc : 337/401 ms
 P/QRS/T : 78/78/65 °
 RV5/SV1 : 2,289/2,238 mV

Diagnosis Information:

Sinus Arrhythmia
 Suspect Inferior Myocardial Infarction?
 Left Ventricular Hypertrophy
 ST Elevation(II,III,aVF,V4,V5,V6)

WNL

Report Confirmed by:



MATESHREE ENT. HOSPITAL

AUDIOGRAM



DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____

Date : 10/06/23

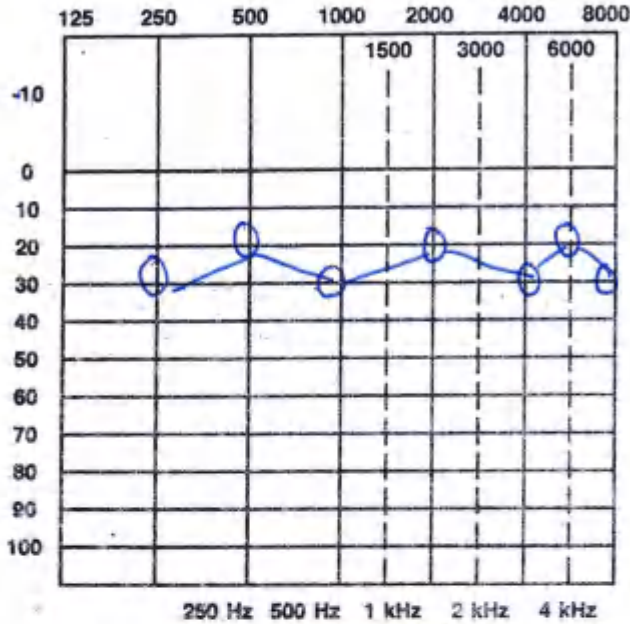
Audiogram of Manoj Kumar Kharyg

Age 24 Yrs. Sex Male Ref. by _____

Occupation _____

Address _____

RIGHT



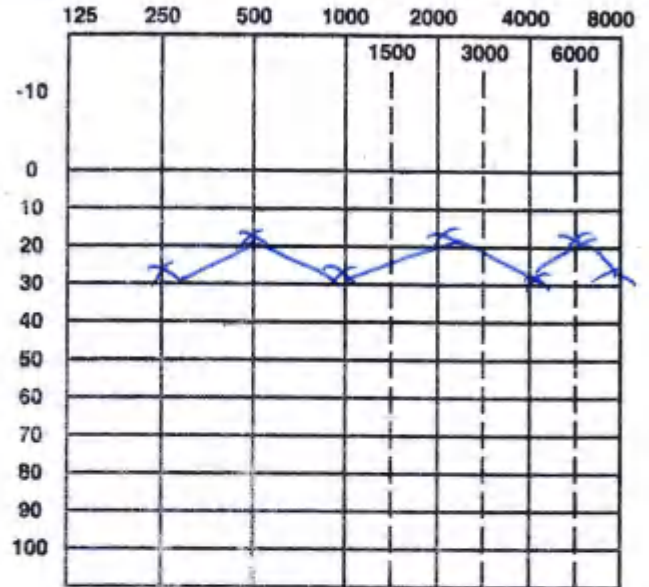
250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

WEBER
Lateralized to

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	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△		0 ↓
L	X	>	□	(X ↓

LEFT



250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

Clinical Findings _____

Comments Both Normal

Dr. Gaurang Joshi
D.L.O.M.S. (ENT)
Regd G 7667

Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH-392001
Ph.: (H)02642-269880

DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



Medicaid Systems
389, Phase-II, Industrial Area

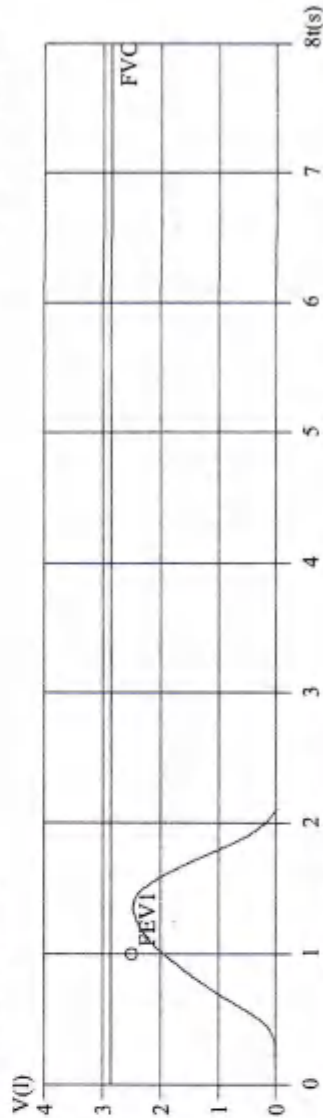
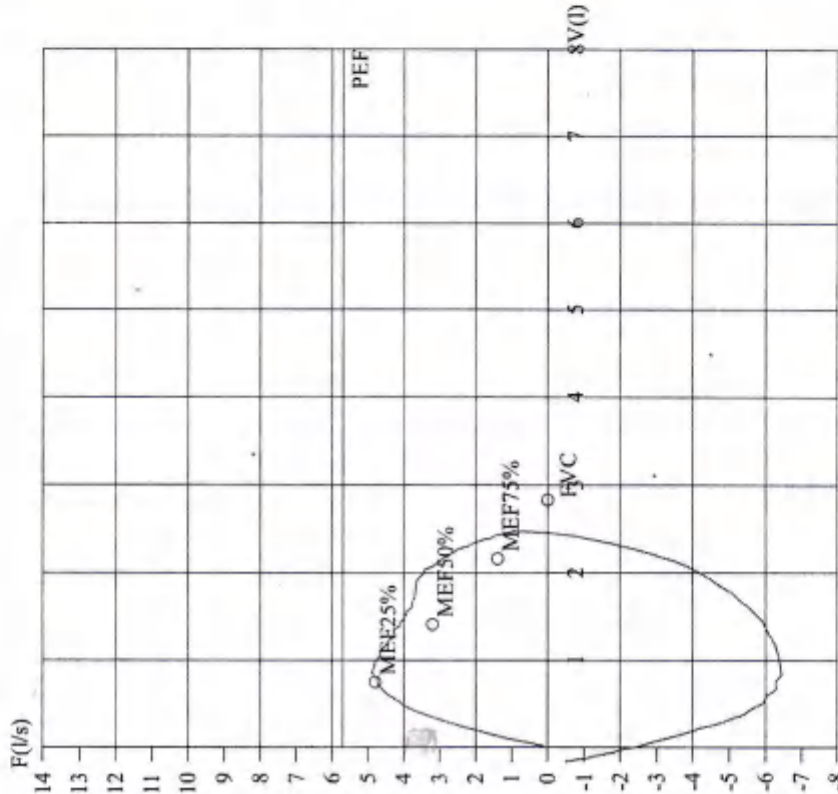
Last Name: **MANOJKUMAR KHARVA**
 First Name: **MANOJKUMAR KHARVA**
 ID: **117**
 Date: **10-04-2023**
 Predicted: **ERS 93**

Date of Birth: **10-04-1999**
 Sex: **Male**
 Ethnic Corr: **60%**
 Description:
 Comments:

Age: **24**
 Weight (Kg): **51**
 Height (cm): **169**
 BSA (m2): **1.58**
 Smoke: **ex**

Forced Vital Capacity

— TEST #1 - 10-04-2023



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	2.86	2.62	91.6
FEV0.5(L)	---	0.31	---
FEV1(L)	2.45	2.06	84.1
FEV1/FVC%	82.89	78.63	94.9
PEF(L/s)	5.7	4.9	86
PIF(L/s)	---	6.45	---
FEF25-75%(L/s)	2.97	4.23	142.4
Vmax25%(L/s)	4.84	4.6	95
Vmax50%(L/s)	3.19	4.24	132.9
Vmax75%(L/s)	1.47	3.64	247.6
FET100%(s)	---	1.34	---
ELA (Years)	75	87	

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC>80%Pred%FEV1/FVC and FVC>80%PredFVC)

Mr

DR. DEVKUMAR VARMA
M.D. (P&T), MBBS, CIB
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075



NAME : MANOJKUMAR KHARVA
DATE : 10/04/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

K.B. Vasava

**DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST**



R



MANOJ KUMAR KHARVA 100402 M CHEST PA 10-Apr-23 10:45 AM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



S R Healthcare Services

+91 704 371 6666

srhealthcarebh@gmail.com

Medical Certificate of Fitness

Date : 25/05/2023

We hereby certify that we have carefully examined Mr. Krunal Prajapati Age 24Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.

Pre-employment Medical health Check-up

Sign of Consultant:

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Stamp of Consultant:



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: KRUNAL PRAJAPATI

Age: 24 Sex: MALE

Present Medical Illness: NIL

Past Medical History: APPENDIX OPERATED

Dietary Habits: MIX

Addiction History: NIL

Family Medical History: NIL

Occupational History: NIL

Height: 167 cms Weight: 47.4 Kgs BMI: 17.0 Kg/m²

BP: 120/80 mmHg PR: 77 /min T: - F SpO₂: 99 %

General Examination: ROMBERG'S TEST NEGATIVE

CNS: WELL ORIENTED & CONSCIOUS CVS: S₁ & S₂ HEARD NORMAL

RS: BIL AIR ENTRY PA: NORMAL

Trismus Test:

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N16</u>	<u>N16</u>
Far Vision	<u>616</u>	<u>616</u>
Colour Vision	<u>NAD</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms KRUNAL PRAJAPATI and have found his/her reports to be authentic.

Date: 25/05/23 Signature of Medical Officer

Place: BHARUCH

DR. DEVKUMAR VARMA
M.D. (PATH) - MBBS, CRI
OCCUPATIONAL HEALTH CONSULTANT
REG. NO: G-11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	KIRUNAL PRASADPATI
Age / Sex :	26) MALE

Present Medical Illness :	NIL
Past Medical History :	APPENDIX OPERATED
Dietary Habits :	NIL
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	167 cm	Weight :	47.4 Kgs	BMI :	17.0 Kg/m ²
----------	--------	----------	----------	-------	------------------------

Temperature :	F	Pulse Rate :	77/min
Blood Pressure :	120/80 mm Hg	SpO ₂ :	98 %

Trismus Test	
--------------	--

General Examination	NORMAL
Central Nervous System	NORMAL
Ear/Nose/Throat	NORMAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	NORMAL
Musculoskeletal System	NORMAL

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour vision	NAD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	5900	Bld group	OT Vg	RBS	FS.0	LFT	29120
RFT	0.7	G6PD	22.3	HBsAg	NON Reactive	Ur R&M	NORMAL
PFT	NORMAL	PTA		ECG	WNL	CXR	NORMAL

I have personally examined Mr/Ms. Krunal Prajapati and have verified his/her reports to be authentic.

Remarks (If any) :

Name of Physician	DR. DEVKUMAR VARMA M.D. (PATH, MBBS, CH)
Stamp	OCCUPATIONAL HEALTH CONSULTANT REG. NO. G-11075
Date	25/05/2023
Place	BHARUCHA.



आरती इंडस्ट्रीज लिमिटेड

मेडिकल हिस्ट्री की स्व घोषणा

नाम:	Kumari Pranjali	उम और लिंग:	24 / m
एजेंसी का नाम:		फंक्शन:	
डिवीज़न:		एम्प्लॉयी कोड / गेट पास नं.:	
क्या आपको निम्नलिखित स्वास्थ्य समस्या है ?		हाँ	नहीं
यदि हाँ, तो विस्तार में बताये			टिप्पणी
1	ब्लड प्रेशर की बीमारी (रक्तचाप)		
2	डायबिटीस - शुगर की बीमारी (मधुमेह)		
3	हृदय से जुड़ी हुई समस्या - छाती में दर्द / हार्ट एटेक/जन्मजात हृदय की बीमारी विगेरे		
4	श्वसन संबंधी समस्याएं - अस्थमा / सांस की तकलीफ / ज्यादा समय से खांसी विगेरे		
5	दिमाग सम्बंधित समस्या (मिर्गी - खींच आना, लकवा होना, पोलियो विगेरे)		
6	तिवर / पित्ताशय से संबंधित समस्या जैसे पीलिया / हेपेटाइटिस / पित्त की पथरी विगेरे		
7	पाचन तंत्र सम्बंधित समस्या - पेट में छाले / उल्टी या संडास में खून आना / विगेरे		
8	किडनी संबंधी समस्या - यूरिन में जलन / पथरी का दर्द / यूरिन में खून आना विगेरे		
9	रक्त संबंधी समस्याएं - हीमोग्लोबिन की कमी / ट्राक क्लिनिक की कमी / सिकल सेल एनीमिया / थैलेसीमिया विगेरे		
10	घायराइड (खेगा/गोइटर) जैसी कोई अंतः सायी समस्या		
11	कमर दर्द / अंग विकृति / रीढ़ की हड्डी / डिस्क की समस्या / जोड़ों की समस्या विगेरे		
12	ऑर्गो सम्बंधित समस्या - नजर की कमजोरी / रंग पहचानने में तकलीफ होना / मोतिया बिन्दु विगेरे		
13	क्या आप कॉन्टैक्ट लेंस पहनते हो ?		
14	कान के सम्बंधित समस्या - कान में पाक(पस) होना / सही से सुनाई न देना / विगेरे		
15	त्वचा सम्बंधित समस्या - ताल चकाने होना / सोरियासिस / घाव - विकृति के निशान विगेरे		
16	क्या आप किसी संक्रामित रोग से पीड़ित हो ? - क्षय रोग / एच आई वी / हेपेटाइटिस बी / कुष्ठ रोग विगेरे		
17	मानसिक बीमारी		
18	किसी दवाई / खाना / या अन्य कोई चीज की अलर्जी		
19	घबकर आना		
20	ऊंचाई से डर लगना / अँधेरे से डर लगना विगेरे		
21	पैर में सूजन / हजिया / हीड्रोसिल / पेट में पानी भरना विगेरे		
22	क्या आप कभी अस्पताल में भर्ती हुए हो ?		
23	कभी कोई ओपरेसन / सर्जरी हुआ है ?		Appendix
24	किसी भी नशीली दवा / शराब / तंबाकू का सेवन / धूमपान		
25	क्या आपने लम्बे समय तक कोई दवाइया खाई है ? या वर्तमान में कोई दवा ले रहा है ?		
26	क्या आपको कभी कोई व्यवसाय सम्बंधित चोट / बीमारी हुई है ?		
27	क्या कभी जीम / हॉठ या नाखुनो में नीलापन हुआ है ?		
28	क्या आपके परिवार में किसी को रक्तचाप/शुगर की बीमारी / हार्ट अटैक / मानसिक बीमारी/ दमा / कैंसर है ?		
29	महिलाओं के लिए आखरी मासिक की तारीख _____ स्त्री रोग संबंधी समस्या _____		
30	हाल में कोई समस्या / बीमारी है ?		
अतिरिक्त टिप्पणी			

मैं प्रमाणित करता हूँ की मेरे द्वारा दिया गया उपर्युक्त विवरण मेरी जानकारी और विश्वास के अनुसार सही और पूर्ण है।

केवल नॉन स्टैन काम के लिये : मैं इस बात की घोषणा करता हूँ कि मैं कंपनी नीति के उल्लंघन में रासायनिक प्रक्रिया क्षेत्रों में काम नहीं करूंगा।

दिनांक: 25/05/23

स्थान: Bhanush

Kumari

व्यक्ति के हस्ताक्षर या बाएंअंगूठे का निशान



Aarti Industries Limited

Self Declaration of Medical History

Name:	Krunal Prujapati	Age/Sex:	24 M
Agency Name:		Function:	
Division Name:		Emp. code/ Gate pass No:	

Do you have any of the following health problems?		Yes	No	Remark
If Yes, specify in remark colour				
1	High / low blood pressure		✓	
2	Diabetes Mellitus (Blood Sugar Problem)		✓	
3	Heart related problems - Chest pain, Heart Attack, Congenital conditions, valvular heart disease etc.		✓	
4	Respiratory related problems - Asthma/Shortness of breath/Chronic cough etc.		✓	
5	Nervous system related problems - Convulsion/Fits/Paralysis/Polio etc.		✓	
6	Liver/Gall Bladder related problems like jaundice /Hepatitis/Gall stones etc.		✓	
7	Digestive system related problems - Peptic ulcer/bloody vomiting or stool/irregular bowel habits etc.		✓	
8	Kidney related problems - Renal stones/Blood in urine etc		✓	
9	Blood related problems - Anemia/Low platelet count/Sickle cell anemia/Thalessemia etc.		✓	
10	Any endocrine related disorder like thyroid conditions etc		✓	
11	Musculoskeletal disorders - Backache/Limb deformity/disc problem/joints problem etc.		✓	
12	Eye related problems - Refractive errors/colour blindness/squint/cataract etc.		✓	
13	Do you wear any contact lenses?		✓	
14	Ear related problems - Ear discharge/hearing loss/tinnitus etc.		✓	
15	Skin related problems - Rashes/psoriasis/scars etc.		✓	
16	Are you suffering from any communicable diseases? - Tuberculosis/HIV/Hepatitis B /Leprosy etc.		✓	
17	Mental Health related problem		✓	
18	Any Allergy - Drug/Food/Other		✓	
19	Vertigo / Giddiness		✓	
20	Phobia (Fear of hight or closed places/darkness)		✓	
21	Ankle swelling/Hernia / Hydrocele/Abdominal swelling etc		✓	
22	Any history of hospitalisation in past?	✓		
23	Any history of past surgeries?	✓		Appendix
24	Consumption/Habit - Drug/Alcohol/Tobacco/Smoking?		✓	
25	Any history of long term medications? OR currently taking any medication?		✓	
26	Any history of occupational injuries/illness in past?		✓	
27	Any past history of cyanosis? (Bluish discolouration of tongue/lips/nails)		✓	
28	Family History of Diabetes/Hypertension/Heart Attack/Mental disorder/ Asthma/cancer		✓	
29	For Female	Last Menstrual Period _____		
		Any gynaecological disorder?		
30	Any present complaints?		✓	
Additional Remark				

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.

For non-routine work only : I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 25/05/23

Place: Bharuch

Krunal

Sign/Left thumb impression of candidate

FORM NO. 33
(Prescribed under Rule 68-T and 102)


Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

- | | | | |
|----|--|---|---------------------------|
| 1. | Serial number in the register of adult workers | : | |
| 2. | Name of the person examined | : | Krunal Prajapati |
| 3. | Father's Name | : | Parsottambhai Prajapati |
| 4. | Sex | : | Male |
| 5. | Residence | : | Khambhat |
| 6. | Date of birth, if available | : | 23/07/1998 |
| 7. | Name & address of the factory | : | Aarti Industries Limited. |
| 8. | The worker is employed/proposed | : | |
| | (a) Hazardous process | : | |
| | (b) Dangerous operation | : | |

I certify that I have personally examined the above named person whose identification marks are Mole On Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 24 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.


Signature or left hand thumb
Impression of the person examined:

Signature of the Factory Medical Officer

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11875

Stamp of factory
Medical Officer with

Name of the Factory:



TEST REPORT



Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobin	14.6	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	5.0	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	46.7	%	40 - 50	Cumulative Pulse Height
MCV	93.2	fL	83 - 101	Derived From RBC Histogram
MCH	30.2	pg	27 - 32	Calculated
MCHC	32.0	%	31.5 - 34.5	Calculated
RDW	13.2	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	5900	/c.mm	4000 - 10000	Electrical Impedance
Differential Count [%]	Unit	Biological Ref. Interval [Abs.]	Unit	Biological Ref. Interval
<i>(Flowcytometry / MICROSCOPY)</i>				
Polymorphs	70	%	40 - 80	4130 /c.mm 2000 - 7000
Lymphocytes	26	%	20 - 40	1534 /c.mm 1000 - 3000
Monocytes	03	%	2 - 10	177 /c.mm 200 - 1000
Eosinophils	01	%	1 - 6	59 /c.mm 00 - 500
Basophils	00	%	0 - 2	0 /c.mm 00 - 100
Neutrophil to Lymphocyte Ratio (NLR)	2.7	%	0.78 - 3.53	Calculated
Platelet Count	351000	/c.mm	150000 - 410000	Electrical Impedance
ESR	04	mm		Modified westergren method
REFERENCES	(1) Practical Hematology by Dacie & Lewis (12th Edition). (2) Nathan/Oski, Hematology of Infancy and Childhood (7th Edition, 2009).			

----- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)



2301005093

TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.1	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.6	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.1	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.5	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	29	U/L	0 - 40	IFCC
S.G.O.T. (AST)	20	U/L	0 - 40	IFCC
Alkaline Phosphatase	52	U/L	35 - 105	AMP
Random Plasma Glucose	85	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----

Nitesh Patel

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Approved by: Dr. Nitesh Patel
M.D. (Microbiology)



2301005093

TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	0.7	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	22.1	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	10.3	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	14.7	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

Nitesh Patel

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)



TEST REPORT



Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/05/2023 11:59	Reg.No.	: 2301005093
Account	: LAB	Mobile No.	:

SERUM CHOLINESTERASE ESTIMATION

(Specimen: Serum)

Investigation	Result	Unit	Biological Reference Interval	Method
Cholinesterase	6500	U/ml	4250 - 12000	Dri-chemistry

Comments:

- Cholinesterase is also called pseudocholinesterase.
- **The main indicators for measuring pseudocholinesterase are:**
 - Monitoring exposure to cholinesterase inhibitors
 - As a liver function test
 - Diagnosis of genetic variants.
- The most important use of cholinesterase is to measure the exposure to organophosphorus compounds like organophosphate insecticide which are irreversible inhibitors of both pseudocholinesterase and acetylcholinesterase.
- For individuals working in industries manufacturing organophosphate insecticides, a baseline measurement is recommended. A decrease of 40% from baseline produces symptoms and a decrease of 80% from baseline leads to severe symptoms.
- Pseudocholinesterase reflects acute toxicity while acetyl cholinesterase (true cholinesterase) reflects chronic exposure

Decreased levels:

- Organophosphate poisoning .
- Liver diseases like Acute hepatitis, Cirrhosis & Metastatic carcinoma to liver.
- Malnutrition

**REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
 (2) Wallach's Interpretation of Diagnostic Tests (11th edition).**

----- End Of Report -----

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Approved by: Dr. Nitesh Patel
 M.D. (Microbiology)

AKSHAY PATEL
 B.Sc. DMLT
 Director & Founder
 Director & Founder

DR. DEV VARMA
 M.D. Pathology
 M.D. Pathology
 Reg. No. G-2489
 Reg. No. G-2489

DR. NITESH PATEL
 M.D. Microbiology
 M.D. Microbiology
 Reg. No. G-24903
 Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, Park Gate, Behind Super Market, Station Rd, Bhavnagar, Gujarat 392001



TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

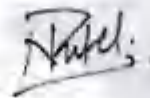
Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quntitative	12.3	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

----- End Of Report -----



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This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
M.D. (Microbiology)



TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg. No.	: 2301005093
Account	: LAB	Mobile No.	:

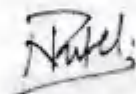
SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval
HBsAg Qualitative	Non- Reactive		Non -Reactive

Please Note: This is Rapid screening test please confirm it with Elisa test (confirmatory test).

----- End Of Report -----



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 This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
 M.D. (Microbiology)



TEST REPORT

Name : Krunal Prajapati	Age : (24Y)
Ref. By : C/o Srh	Sex : Male
Reg. Date : 25/05/2023 11:59	Reg. No. : 2301005093
Account : LAB	Mobile No. :

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)
 Method : (Microscopic Examination)

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected

----- End Of Report -----

Nitish

* Bold Indicates Abnormal Values
 This is an electronically authenticated report.

Approved by: Dr. Nitish Patel
 M.D. (Microbiology)



2301005093

TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/05/2023 11:59	Reg.No.	: 2301005093
Account	: LAB	Mobile No.	:

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Investigation	Result	Method
ABO TYPE	"O"	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).

----- End Of Report -----

* Bold Indicates Abnormal Values
 This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
 M.D. (Microbiology)



TEST REPORT

Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/05/2023 11:59	Reg.No.	: 2301005093
Account	: LAB	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.))

Investigation	Result	Biological Ref. Interval	Method
PHYSICAL EXAMINATION			
<u>Colour</u>	Pale Yellow	Pale Yellow	
<u>Transparency</u>	Clear	Clear	
CHEMICAL EXAMINATION (Automated Strip test)			
<u>Specific Gravity</u>	1.005	1.005 - 1.025	
<u>Reaction (pH)</u>	7.0	4.5 - 8.0	
<u>Sugar</u>	Absent	Absent	
<u>Acetone</u>	Absent	Negative	
<u>Proteins</u>	Absent	Absent	
<u>Bilirubin</u>	Absent	Negative	
<u>UroBilinogen</u>	Absent	Negative	
<u>Leukocyte Esterase</u>	Absent	Negative	
<u>Nitrite</u>	Absent	Negative	
<u>Blood</u>	Absent	Negative	
MICROSCOPIC EXAMINATION			
Result	Unit	Biological Ref.Interval	Method (Microscopy)
<u>Pus Cells</u>	1-2	/HPF	Absent
<u>Red Cells</u>	NIL	/HPF	Absent
<u>Epithelial Cells</u>	3-4	/HPF	Absent

----- End Of Report -----

(Signature)

* Bold Indicates Abnormal Values
 This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel
 M.D. (Microbiology)

AKSHAY PATEL
 B.Sc. DMLT
 Director & Founder
 Director & Founder

DR. DEV VARMA
 M.D. Pathology
 M.D. Pathology
 Reg. No. G-2489

DR. NITESH PATEL
 M.D. Microbiology
 M.D. Microbiology
 Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

KRUNAL PRAJAPATI
Male 24Years

HR : 66 bpm
P : 93 ms
PR : 126 ms
QRS : 91 ms
QT/QTc : 361/381 ms
P/QRS/T : 67/67/39 °
RV5/SV1 : 1.637/0.836 mV

Diagnosis Information:
Sinus Arrhythmia

WNL

Report Confirmed by:



MATESHREE ENT. HOSPITAL

AUDIOGRAM



DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____ Date : _____

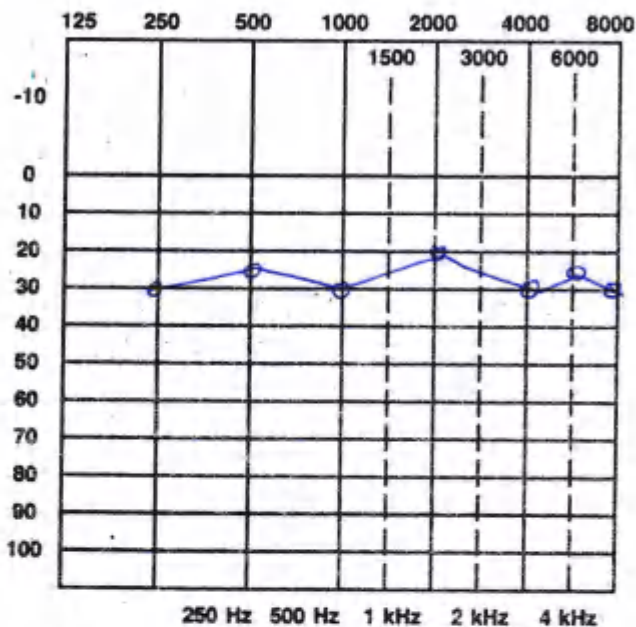
Audiogram of Krunal Rajgopati

Age _____ Yrs. Sex _____ Ref. by _____

Occupation _____

Address _____

RIGHT



250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

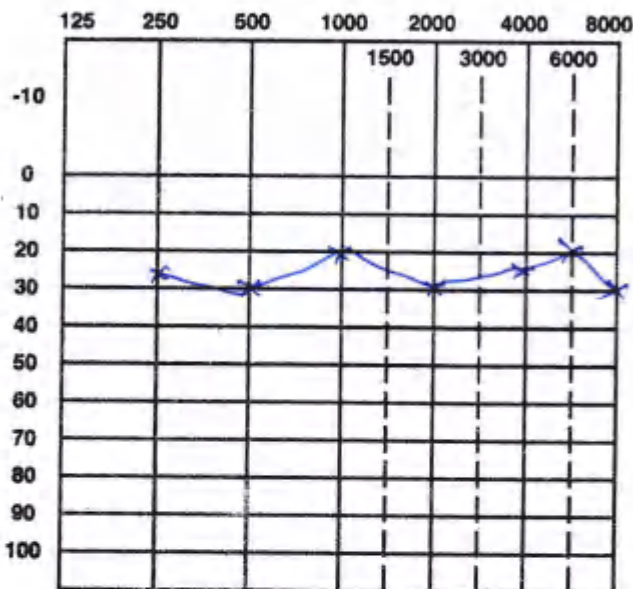
WEBER

Lateralized to

--	--	--	--

	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△		0 ↓
L	X	>	□		X ↓

LEFT



250 Hz 500 Hz 1 kHz 2 kHz 4 kHz

Clinical Findings _____

Comments

B/L Normal

Dr. Gaurang Joshi
D.L.O.M.S. (ENT)
Regd 6/7667
Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH-392001
Ph.: (H) 26942-269880

DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



Medicaid

Medicaid Systems 389, Phase-II, Industrial Area

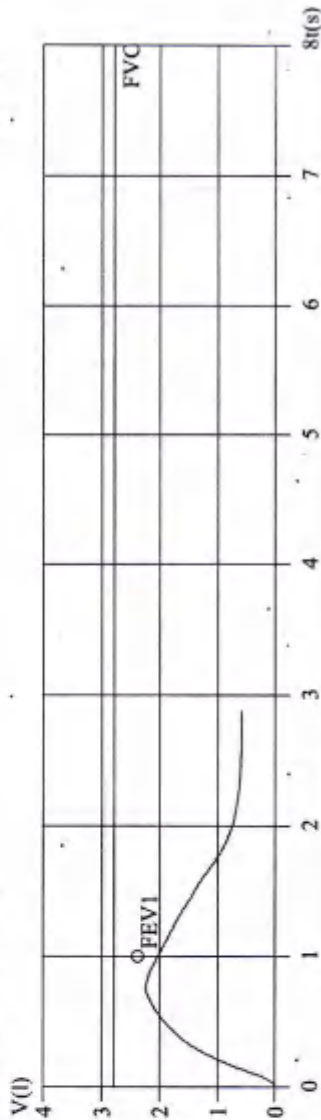
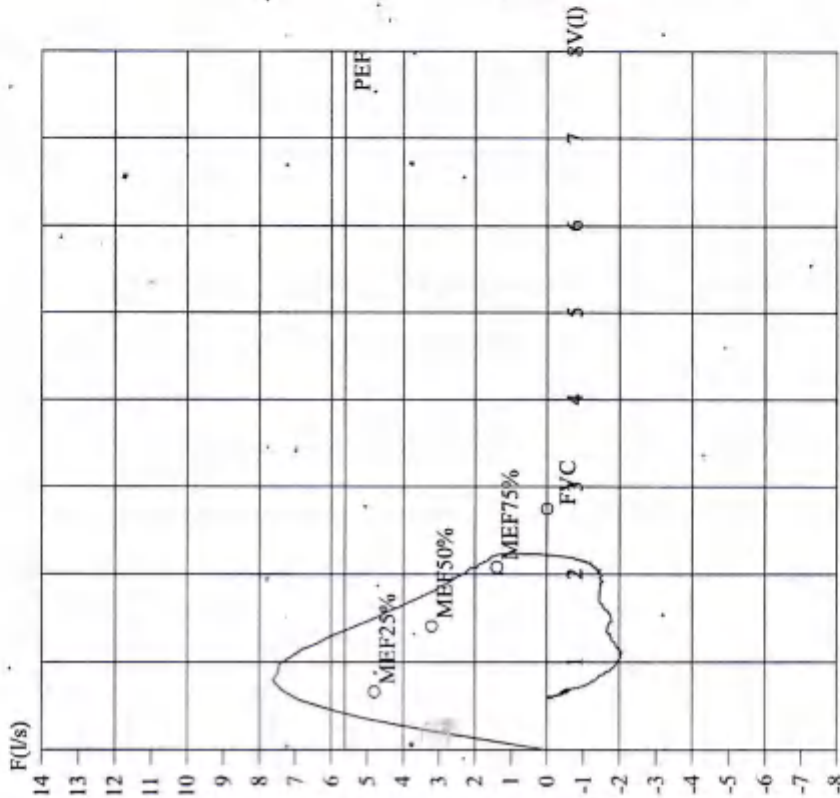
Last Name: **KRUNAL PRAJAPATI**
First Name: **193**
ID: **25-05-2023**
Date: **ERS 93**
Predicted:

Date of Birth: **10-05-1999**
Sex: **Male**
Ethnic Corr.: **60%**
Description:
Comments:

Age: **24**
Weight (Kg): **47**
Height (cm): **167**
BSA (m2): **1.51**
Smoke: **ex**

TEST #1 - 25-05-2023

Forced Vital Capacity



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	2.79	2.37	84.9
FEV0.5(L)	--	2.03	--
FEV1(L)	2.4	2.14	89.2
FEV1/FVC%	82.89	90.3	108.9
PEF(L/s)	5.62	7.62	135.6
PIF(L/s)	--	2.05	--
FEF25-75%(L/s)	2.94	5.98	203.4
Vmax25%(L/s)	4.77	6.92	145.1
Vmax50%(L/s)	3.14	6.79	216.2
Vmax75%(L/s)	1.44	3.8	263.9
FET100%(s)	--	0.76	--
ELA (Years)	74	82	

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC>80%Pred%FEV1/FVC and FVC>80%PredFVC)

DR. DEVIKUMAR VARMA
M.D.(P.A.F.F.), MBBS, CCH
Mr **OCCUPATIONAL HEALTH CONSULTANT**
REG. NO.: G-11075



NAME : KRUNAL PRAJAPATI
DATE : 25/05/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

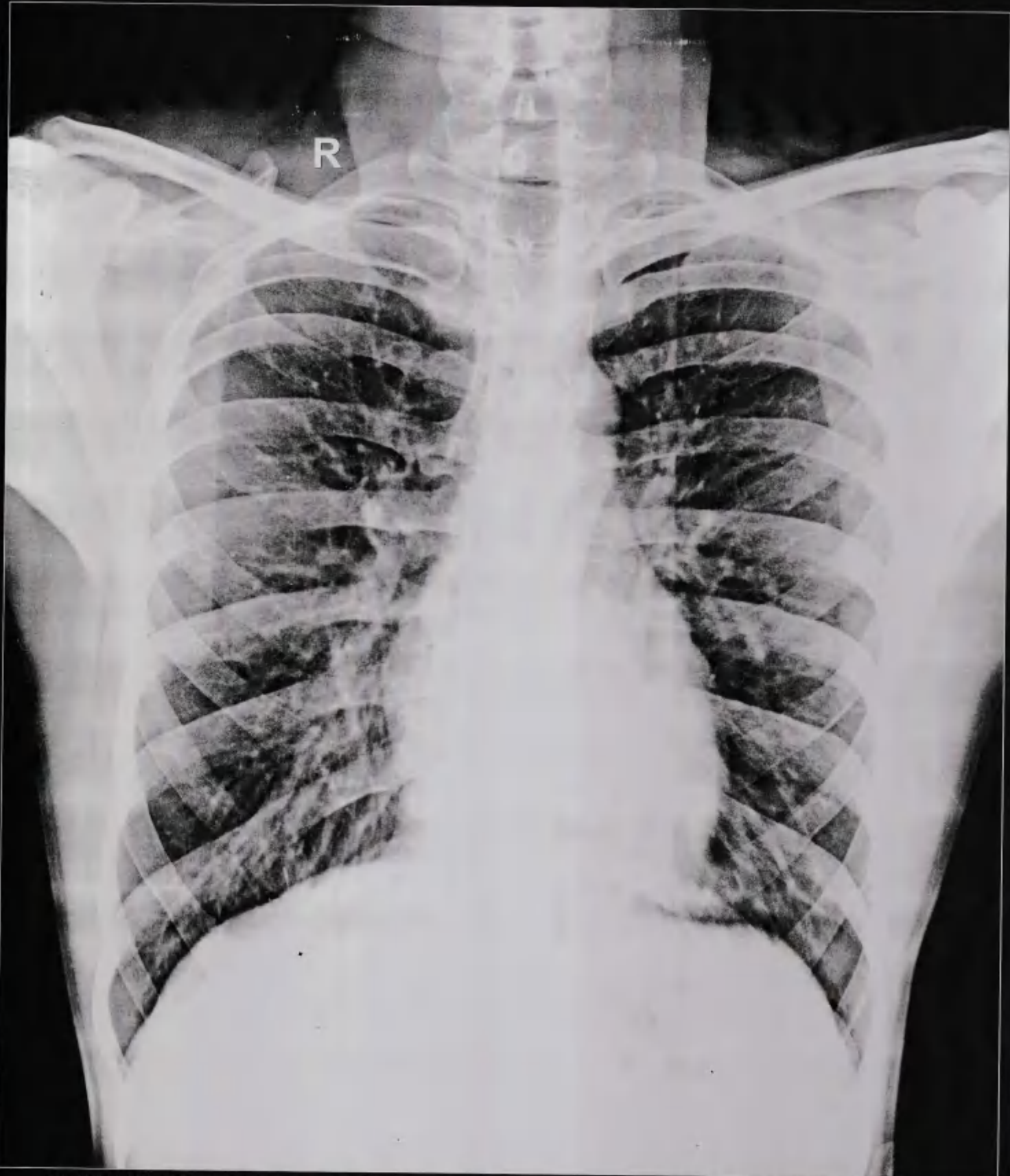
Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

K. B. Vasava

DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST



KRUNAL PRAJAPATI 250503 M CHEST PA 25-May-23 12:15 PM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



S R Healthcare Services

+91 704 371 6666

srhealthcarebh@gmail.com

Medical Certificate of Fitness

Date : 25/07/2023

We hereby certify that we have carefully examined Mr. Ronakkumar Patel Age 26Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.

Pre-employment Medical health Check-up

Sign of Consultant:

Stamp of Consultant:

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: PATEL RONAKKUMAR M.

Age: 26

Sex: MALE

Present Medical Illness: NIL

Past Medical History: NIL

Dietary Habits: VEGETARIAN

Addiction History: NIL

Family Medical History: NIL

Occupational History: NIL

Height: 174 cms

Weight: 68.3 Kgs

BMI: 22.6 Kg/m²

BP: 110/80 mmHg

PR: 71 /min

T: - F

SpO2: 99 %

General Examination: ROMBERG'S TEST NEGATIVE

CNS: WELL ORIENTED & CONSCIOUS CVS: S1 & S2 HEARD NORMAL

RS: BIL AIR ENTRY NORMAL

PA: NORMAL

Trismus Test: -

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N16</u>	<u>N16</u>
Far Vision	<u>616</u>	<u>616</u>
Colour Vision	<u>INAP</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms Ronakkumar and have found his/her reports to be authentic.

Date: 25/07/2023

Signature of Medical Officer

Place: BHARUCH

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	PATEL RONARKUMAR M.
Age / Sex :	26 MALE

Present Medical Illness :	NIL
Past Medical History :	NIL
Dietary Habits :	VEG
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	174 m	Weight :	68.3 Kgs	BMI :	22.6 Kg/m ²
----------	-------	----------	----------	-------	------------------------

Temperature :	—	F	Pulse Rate :	71	/min
Blood Pressure :	110/80	mm Hg	SpO ₂ :	99	%

Trismus Test	—
--------------	---

General Examination	Normal
Central Nervous System	Normal
Ear/Nose/Throat	Normal
Cardiovascular System	Normal
Respiratory System	Normal
Gastrointestinal System	Normal
Integumentary System	Normal
Musculoskeletal System	Normal

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour vision	MAD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	7400	Bld group	B ₂ V ₆	RBS	95-6	LFT	14/23
RFT	0.9	G6PD	12.6	HBsAg	NON Reactive	Ur R&M	Normal
PFT	Normal	PTA		ECG	WNL	CXR	Normal

I have personally examined Mr/Ms. Ronakkumar Patel and have verified his/her reports to be authentic.

Remarks (If any) :

Name of Physician	DR. DEVKUMAR VARMA
Stamp	M.D. (PATH), MBBS, CHH OCCUPATIONAL HEALTH CONSULTANT REG. NO.: G-11075
Date	25/03/2023
Place	BHARUCH



आरती इंडस्ट्रीज लिमिटेड

मेडिकल हिस्ट्री की स्व घोषणा

नाम:	Patel Romalkumar M	उम्र और लिंग:	26, male	
एजेंसी का नाम:		पंखन:		
पता:		एम्प्लोयी कोड / गेट पास नं.:		
क्या आपको निम्नलिखित स्वास्थ्य समस्याएं हैं ?		हाँ	नहीं	टिप्पणी
यदि हाँ, तो विस्तार में बताये				
1	रक्तचाप की बीमारी (रक्तचाप)		✓	
2	डायबिटीस - शुगर की बीमारी (ग्लूकोज)		✓	
3	हृदय में जुड़ो हुई समस्या - छाते में दर्द / हाट एटेक/जन्मजात हृदय की बीमारी विगेरे		✓	
4	श्वसन संबंधी समस्याएं - अस्थमा / सांस की तकलीफ / ज्यादा समय से खांसी विगेरे		✓	
5	दिमाग सम्बंधित समस्या (मिर्गी - खींच आना, लकवा होना, पोलियो विगेरे)		✓	
6	निज / पित्ताशय से संबंधित समस्या जैसे पोलिया / हेपेटाइटिस / पित्त की पथरी विगेरे		✓	
7	पाचन तंत्र सम्बंधित समस्या - पेट में छाले / उलटी या संडास में खून आना / विगेरे		✓	
8	किडनी संबंधी समस्या - यूरिन में जलन / पथरी का दर्द / यूरिन में खून आना विगेरे		✓	
9	रक्त संबंधी समस्याएं - हीमोग्लोबिन की कमी / ट्रूक कलिक की कमी / सिकल सेल एनीमिया / थैलेसीमिया विगेरे		✓	
10	थायरॉइड (खैना/गोइटर) जैसी कोई अंतः खाकी समस्या		✓	
11	कमर दर्द / अंग विकृति / रीढ़ की हड्डी / डिस्क की समस्या / जोड़ो की समस्या विगेरे		✓	
12	ऑर्खा सम्बंधित समस्या - नजर की कगजोरी / रंग पहचानने में तकलीफ होना / मोतिया बिन्दु विगेरे		✓	
13	क्या आप कॉन्टैक्ट लेंस पहनते हो ?		✓	
14	कान के सम्बंधित समस्या - कान में धाका/पस) ड्रिप / सही से सुनाई न देना / विगेरे		✓	
15	त्वचा सम्बंधित समस्या - लाल धकते होना / सोरियासिस / घाब - विकृति के निशान विगेरे		✓	
16	क्या आप किसी संक्रमित रोग से पीड़ित हो ? - क्षय रोग / एच आई वी / हेपेटाइटिस बी / ट्यूबरकुलोसिस विगेरे		✓	
17	मानसिक बीमारी		✓	
18	किसी दवाई / खाना / या अन्य कोई चीज की अलार्जी		✓	
19	एच.आई.वी		✓	
20	ऊँचाई से डर लगना / ओपरे से डर लगना विगेरे		✓	
21	पैर में सूजन / हजिया / हीड्रोसिल / पेट में पानी भरना विगेरे		✓	
22	क्या आप कभी अस्पताल में भर्ती हुए हो ?		✓	
23	कभी कोई ओपरेसन / सर्जरी हुआ है ?		✓	
24	किसी भी नशीली दवा / शराब / तंबाकू का सेवन / धूमपान		✓	
25	क्या आपने लम्बे समय तक कोई दवाइया खाई है ? या वर्तमान में कोई दवा ले रहा है ?		✓	
26	क्या आपको कभी कोई व्यवसाय सम्बंधित चोट / बीमारी हुई है ?		✓	
27	क्या कभी जीम / हॉट या नाइसुनो में नीलापन हुआ है ?		✓	
28	क्या आपके परिवार में किसी को रक्तचाप/शुगर की बीमारी / हाट अटेक / मानसिक बीमारी / दमा / कैंसर है ?		✓	
29	महिलाओं के लिए	आखरी मासिक की तारीख _____		
		स्त्री रोग संबंधी समस्या		
30	हाल में कोई समस्या / बीमारी है ?		✓	
अतिरिक्त टिप्पणी				

मैं प्रमाणित करता हूँ कि मेरे द्वारा दिया गया उपर्युक्त विवरण मेरी जानकारी और विश्वास के अनुसार सही और पूर्ण है।

केवल नॉन रुटीन काम के लिये: मैं इस बात की घोषणा करता हूँ कि मैं कंपनी नीति के अन्तर्गत में रासायनिक प्रक्रिया क्षेत्रों में काम नहीं करूंगा।

दिनांक: 25/07/2023

स्थान: Bharuch

व्यक्ति के हस्ताक्षर या बाएंअंगूठे का निशान



Aarti Industries Limited

Self Declaration of Medical History

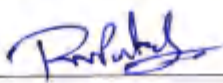
Name:	Patel Ronakkumar M.	Age/Sex:	26, male.
Agency Name:		Function:	
Division Name:		Emp. code/ Gate pass No:	

Do you have any of the following health problems?		Yes	No	Remark
If Yes, specify in remark coloum				
1	High / low blood pressure		✓	
2	Diabetes Mellitus (Blood Sugar Problem)		✓	
3	Heart related problems - Chest pain, Heart Attack, Congenital conditions, valvular heart disease etc.		✓	
4	Respiratory related problems - Asthma/Shortness of breath/Chronic cough etc.		✓	
5	Nervous system related problems - Convulsion/Fits/Paralysis/Polio etc.		✓	
6	Liver/Gall Bladder related problems like jaundice /Hepatitis/Gall stones etc.		✓	
7	Digestive system related problems - Peptic ulcer/bloody vomiting or stool/irregular bowel habits etc.		✓	
8	Kidney related problems - Renal stones/Blood in urine etc		✓	
9	Blood related problems - Anemia/Low platelet count/Sickle cell anemia/Thalassemia etc.		✓	
10	Any endocrine related disorder like thyroid conditions etc		✓	
11	Musculoskeletal disorders - Backache/Limb deformity/disc problem/joints problem etc.		✓	
12	Eye related problems - Refractive errors/colour blindness/squint/cataract etc.		✓	
13	Do you wear any contact lenses?		✓	
14	Ear related problems - Ear discharge/hearing loss/tinnitus etc.		✓	
15	Skin related problems - Rashes/psoriasis/scars etc.		✓	
16	Are you suffering from any communicable diseases? - Tuberculosis/HIV/Hepatitis B /Leprosy etc.		✓	
17	Mental Health related problem		✓	
18	Any Allergy - Drug/Food/Other		✓	
19	Vertigo / Giddiness		✓	
20	Phobia (Fear of hight or closed places/darkness)		✓	
21	Ankle swelling/Hernia / Hydrocele/Abdominal swelling etc		✓	
22	Any history of hospitalisation in past?		✓	
23	Any history of past surgeries?		✓	
24	Consumption/Habit - Drug/Alcohol/Tobbaco/Smoking?		✓	
25	Any history of long term medications? OR currently taking any medication?		✓	
26	Any history of occupational injuries/illness in past?		✓	
27	Any past history of cyanosis? (Bluish discolouration of tongue/lips/nails)		✓	
28	Family History of Diabetes/Hypertension/Heart Attack/Mental disorder/ Asthma/cancer		✓	
29	For Female Last Menstrual Period _____ Any gynaecological disorder?		✓	
30	Any present complaints?		✓	
Additional Remark				

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.
For non-routine work only : I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 25/07/2023

Place: Bhavnagar


Sign/Left thumb Impression of candidate

FORM NO. 33
(Prescribed under Rule 68-T and 102)

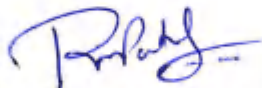
Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

1. Serial number in the register of adult workers :
2. Name of the person examined : Ronakkumar Patel
3. Father's Name : Mahendrabhai Patel
4. Sex : Male
5. Residence : Vadodara
6. Date of birth, if available : 09/11/1996
7. Name & address of the factory : Aarti industries Ltd, Dahej
8. The worker is employed/proposed :
 - (a) Hazardous process :
 - (b) Dangerous operation :

I certify that I have personally examined the above-named person whose identification marks are Mole on Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 27 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.



Signature or left-hand thumb
Impression of the person examined:

Signature of the Factory Medical Officer

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: G-11075

Stamp of factory
Medical Officer with

Name of the Factory:

ID: 35

RONAK PATEL
Male 26Years

25-07-2023 11:14:46

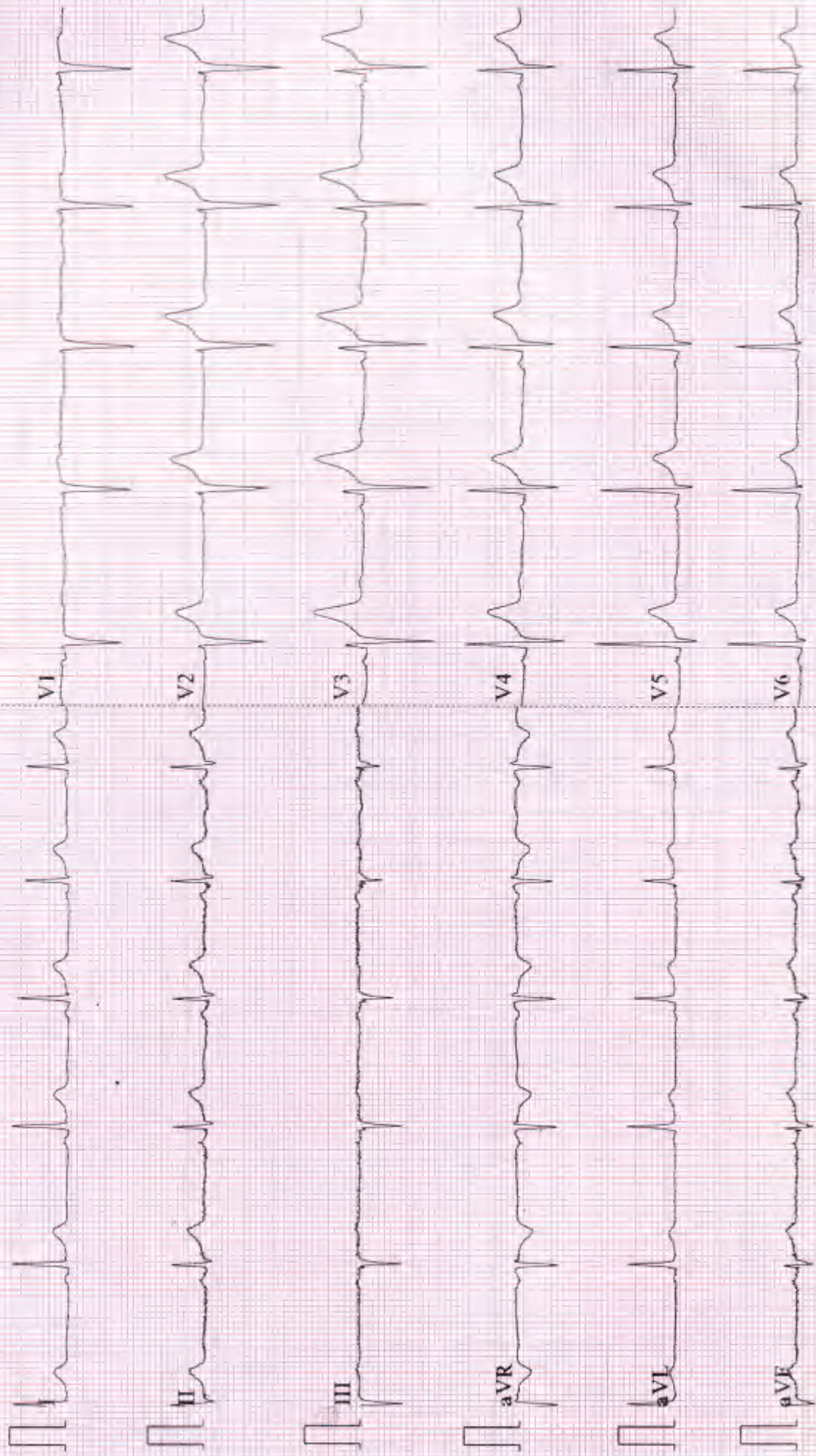
HR : 61 bpm
 P : 93 ms
 PR : 132 ms
 QRS : 84 ms
 QT/QTc : 359/364 ms
 P/QRS/T : 61/-12/41 ^u
 RV5/SV1 : 1.259/1.139 mV

Diagnosis Information:

Sinus Arrhythmia
Abnormal Q Waves(III)

WNL

Report Confirmed by:



MATESHREE ENT. HOSPITAL

AUDIOGRAM



DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____ Date : 25/07/2023

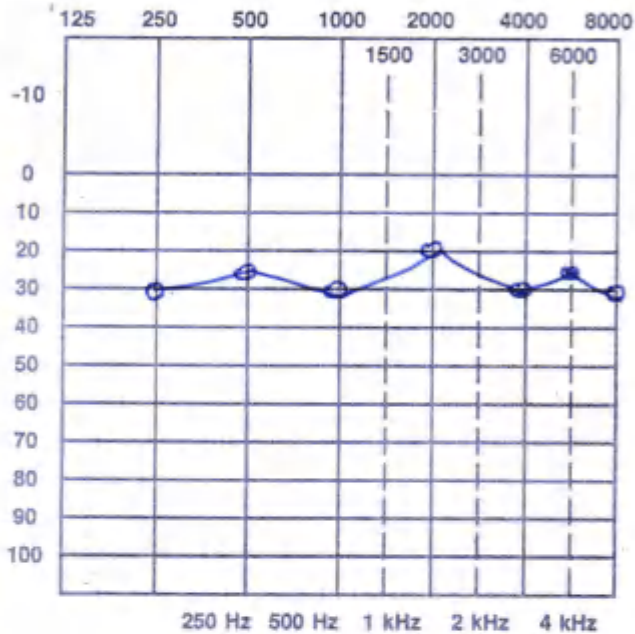
Audiogram of Ronakkumar

Age 26 Yrs. Sex Male Ref. by _____

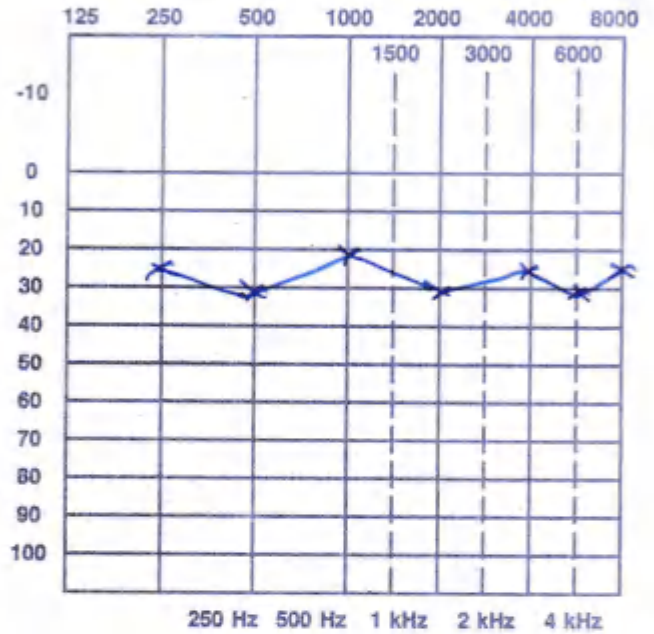
Occupation _____

Address _____

RIGHT



LEFT



WEBER
Lateralized to

--	--	--	--	--

	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△]]	0 ↓
L	X	>	□	[[X ↓

Clinical Findings _____

Comments B/L Normal

Dr. Gaurang Joshi
D.L.O.M.S. (ENT)
Regd G 7467
Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH
DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH
Ph.: (H) 269880



Medicaid

Medicaid Systems 389, Phase-II, Industrial Area

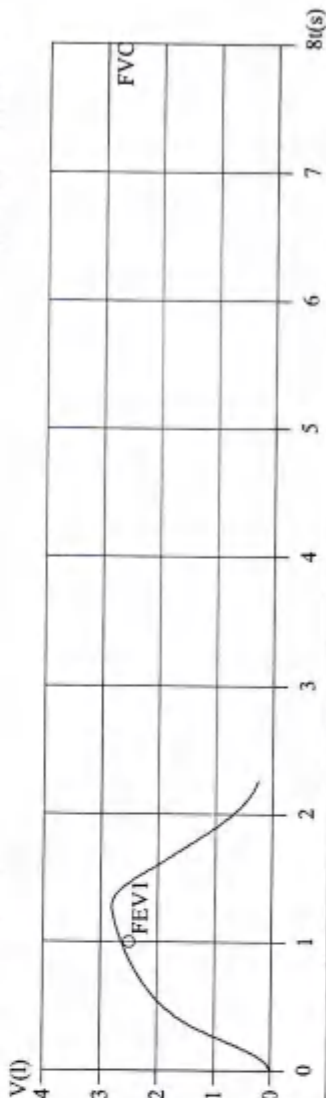
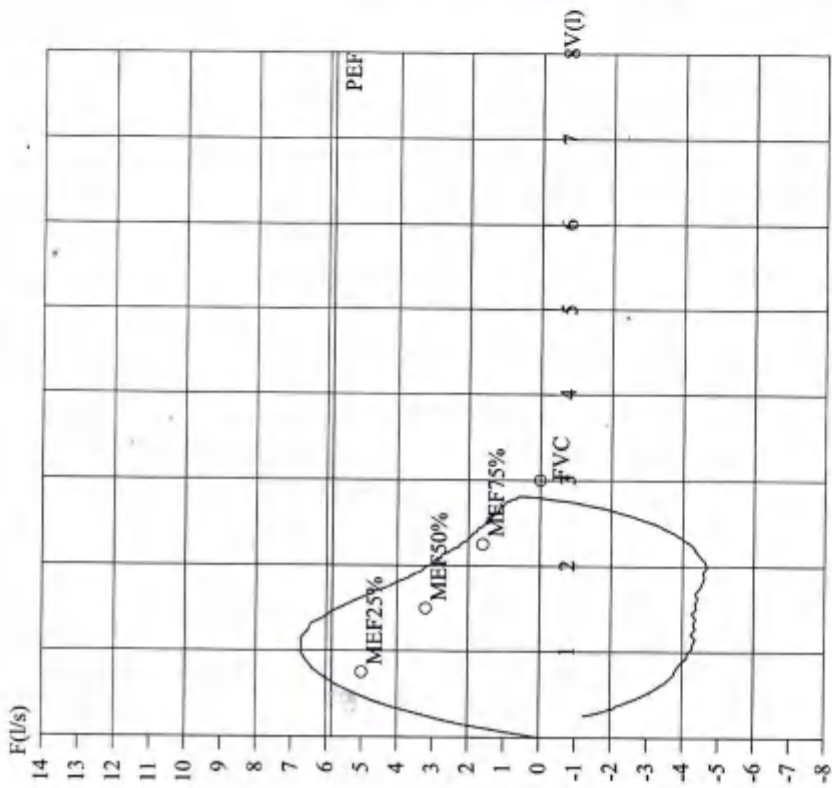
Last Name: **RONAKKUMAR PATEL**
First Name: **367**
ID: **25-07-2023**
Date: **ERS 93**
Predicted:

Date of Birth: **10-07-1997**
Sex: **Male**
Ethnic Corr.: **60%**
Description:
Comments:

Age: **26**
Weight (Kg): **68**
Height (cm): **174**
BSA (m2): **1.82**
Smoke: **no**

TEST #1 - 25-07-2023

Forced Vital Capacity



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	3	2.98	99.3
FEV0.5(L)	---	2.01	---
FEV1(L)	2.54	2.79	109.8
FEV1/FVC%	82.53	93.62	113.4
PEF(L/s)	5.83	6.72	115.3
PIF(L/s)	---	4.68	---
FEF25-75%(L/s)	2.97	4.85	163.3
Vmax25%(L/s)	4.97	6.38	128.4
Vmax50%(L/s)	3.26	5.84	179.1
Vmax75%(L/s)	1.52	2.75	180.9
FET100%(s)	---	1.26	---
ELA (Years)	78	78	---

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC>80%Pred,%FEV1/FVC and FVC>80%PredFVC)

Mr

DR. DEVKUMAR VARMA
M.D. (PATH), MBBS, CIH
OCCUPATIONAL HEALTH CONSULTANT
REG. NO.: 6-11075



NAME : RONAkkUMAR PATEL
DATE : 25/07/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

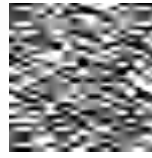
K.B. Vasava


**DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST**



R

RONAKKUMAR PATEL 250704 M CHEST PA 25-Jul-23 11:28 AM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



TEST REPORT			
 2 3 0 1 0 1 1 9 6 7			
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

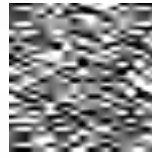
Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobin	15.2	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	4.6	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	42.3	%	40 - 50	Cumulative Pulse Height
MCV	93.3	fL	83 - 101	Derived From RBC Histogram
MCH	32.3	pg	27 - 32	Calculated
MCHC	31.5	%	31.5 - 34.5	Calculated
RDW	12.3	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	7400	/c.mm	4000 - 10000	Electrical Impedance
Differential Count [%]		Unit	Biological Ref. Interval [Abs.]	Unit Biological Ref. Interval
<i>(Flowcytometry /MICROSCOPY)</i>				
Polymorphs	60	%	40 - 80	4440 /c.mm 2000 - 7000
Lymphocytes	37	%	20 - 40	2738 /c.mm 1000 - 3000
Monocytes	02	%	2 - 10	148 /c.mm 200 - 1000
Eosinophils	01	%	1 - 6	74 /c.mm 00 - 500
Basophils	00	%	0 - 2	0 /c.mm 00 - 100
Neutrophil to Lymphocyte Ratio (NLR)	1.6	%	0.78 - 3.53	Calculated
Platelet Count	231600	/c.mm	150000 - 450000	Electrical Impedance
ESR	02	mm		Modified westergren method
REFERENCES	(1) Practical Hematology by Dacie & Lewis (12th Edition). (2) Nathan/Oski, Hematology of Infancy and Childhood (7th Edition,2009).			

----- End Of Report -----



* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489



2301011967

TEST REPORT

Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.2	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.6	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.3	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.3	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	14.5	U/L	0 - 40	IFCC
S.G.O.T. (AST)	23.6	U/L	0 - 40	IFCC
Alkaline Phosphatase	74.5	U/L	35 - 105	AMP
Random Plasma Glucose	95.6	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----



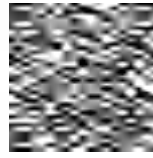
* Bold Indicates Abnormal Values

This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489



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PATH LAB
For us...Quality Matters...



+91 98249 64026

02642 355179

aksharampathlab@gmail.com



2301011967

TEST REPORT

Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/07/2023 12:46	Reg. No.	: 2301011967
Account	: LAB	Mobile No.	:

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	0.9	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	23.6	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	11	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	12.2	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).
(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

* Bold Indicates Abnormal Values

This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

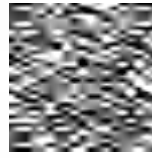
AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. HITESH PATEL
M.D. Microbiology
Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, R K Costa, Behind Super Market, Station Rd, Bharuch, Gujarat 392001



2 3 0 1 0 1 1 9 6 7

TEST REPORT

Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quantitative	12.6	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

----- End Of Report -----



* Bold Indicates Abnormal Values

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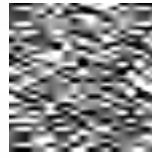
Approved by: Dr. Dev Varma

M.D. (Pathologist)

Reg. No. G-2489



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02642 355179

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2 3 0 1 0 1 1 9 6 7

TEST REPORT

Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval
HBsAg Qualitative	Non- Reactive		Non -Reactive

Please Note: This is Rapid screening test please confirm it with Elisa test (confirmatory test).

----- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

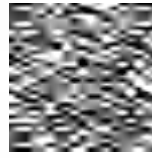
DR. HITESH PATEL
M.D. Microbiology
Reg. No. G-24903

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H 101/102, First Floor, R K Costa, Behind Super Market, Station Rd, Bharuch, Gujarat 392001



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+91 98249 64026

02642 355179

aksharampathlab@gmail.com



2 3 0 1 0 1 1 9 6 7

TEST REPORT

Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)

Method : (Microscopic Examination)

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected
:	

----- End Of Report -----

* Bold Indicates Abnormal Values

This is an electronically authenticated report.

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

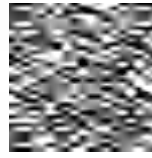
DR. HITESH PATEL
M.D. Microbiology
Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, R K Costa, Behind Super Market, Station Rd, Bharuch, Gujarat 392001



AKSHARAM
॥ ॐ ॥
PATH LAB
For us...Quality Matters...



+91 98249 64026

02642 355179

aksharampathlab@gmail.com



2301011967

TEST REPORT

Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 25/07/2023 12:46	Reg. No.	: 2301011967
Account	: LAB	Mobile No.	:

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Investigation	Result	Method
ABO TYPE	"B"	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

* Bold Indicates Abnormal Values
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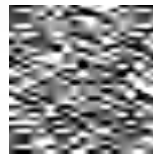
AKSHAY PATEL
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2301011967

TEST REPORT

Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.))

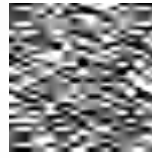
Investigation	Result	Biological Ref. Interval	Method
PHYSICAL EXAMINATION			
Colour	Pale Yellow	Pale Yellow	
Transparency	Clear	Clear	
CHEMICAL EXAMINATION (Automated Strip test)			
Specific Gravity	1.020	1.005 - 1.025	
Reaction (pH)	6.5	4.5 - 8.0	
Sugar	Absent	Absent	
Acetone	Absent	Negative	
Proteins	Absent	Absent	
Bilirubin	Absent	Negative	
Urobilinogen	Absent	Negative	
Leukocyte Esterase	Absent	Negative	
Nitrite	Absent	Negative	
Blood	Absent	Negative	

MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref.Interval	Method (Microscopy)
Pus Cells	1-2	/HPF	Absent	
Red Cells	NIL	/HPF	Absent	
Epithelial Cells	2-3	/HPF	Absent	

----- End Of Report -----



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2301011967

TEST REPORT

Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

* **Bold** Indicates Abnormal Values
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M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
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Pacific School of Engineering

(Approved by AICTE New Delhi & Affiliated to GTU, Ahmedabad)

Ref. No.: PSE/ENGG/CERT/22/10

Date:04/04/2022

DETAIL OF CLEANER PRODUCTION PRACTICES

The Environmental Audit Scheme was introduced by the Gujarat High Court vide its orders dated 20/12/96 & 13/3/97 and modified vide order dated 16/9/99, 22/04/2010 & 23/1/2015. We are recognized by GPCB, Gandhinagar as Schedule- 1 Environmental Auditor for compliance of the directions of the Hon'ble High Court.

In order to study cleaner production practices, industry has approached us and thus, visits were carried out and evaluated practices of CPP for:

**M/S. AARTI INDUSTRIES LIMITED,
PLOT NO. Z/103/C, DAHEJ-SEZ-II,
TALUKA: VAGRA, DIST. BHARUCH, GUJARAT.**

A. BACKGROUND OF STUDY:

This study includes cleaner production practices adopted by industry. This study mainly included for following processes:

1. Phenol recovery from DCP (Di-chlorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology.
2. DCA (2,5 Di-chloroaniline) recovery from distillation residue with the use of agitated thin film evaporator (ATFE).
3. Reuse of 70% concentrated H_2SO_4 by increasing the concentration of H_2SO_4 to 90% through series of evaporation.
4. Recovery of methanol from DCA obtained during 2, 5-DCA production.

B. Manufacturing process of DCA and DCP:

1. 2,5 DI- CHLORO ANILINE

Initially, 2, 5 Di-chloro nitrobenzene is reacted in an autoclave reactor with



hydrogen gas in presence of metal powder catalyst to produce 2, 5 dichloro aniline. The reaction mixture contains solvent. The reaction is followed by catalyst filtration, solvent recovery, and layer separation and drying. Crude product is then subjected to flash distillation to get the pure product. Product is either sold as liquid or flakes depending on the market requirement.

Stoichiometric reaction:

Di-chloro aniline:

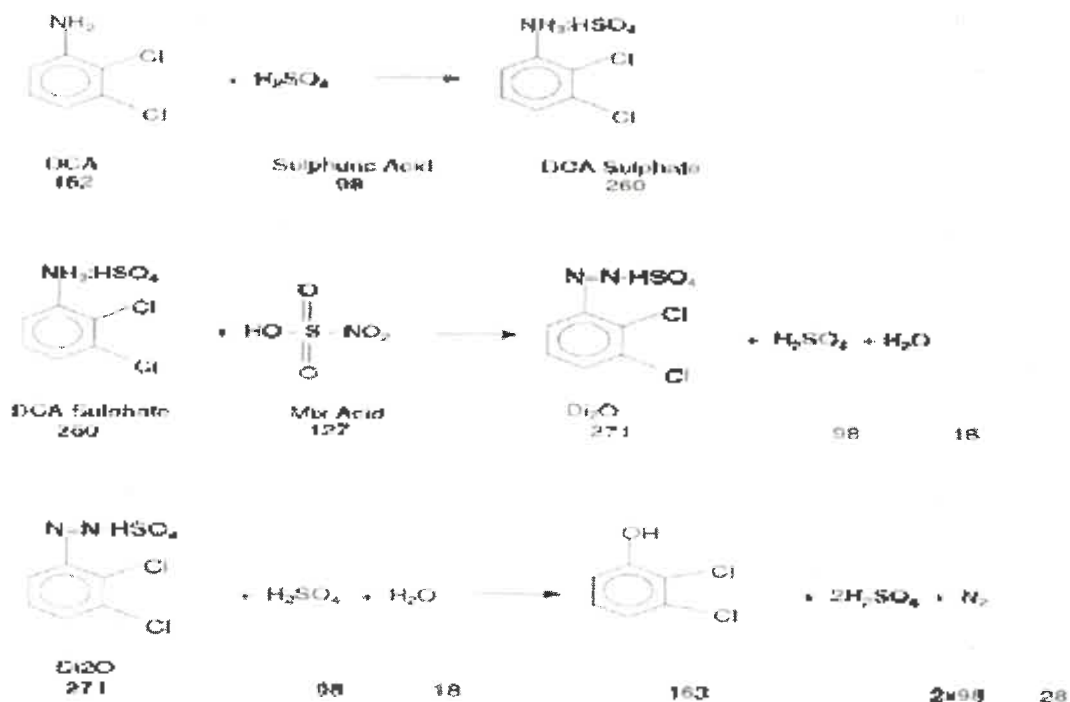
	$C_6H_4NO_2Cl$	+	$2H_2$	\longrightarrow	$C_6H_4NH_2Cl_2$	+	$2H_2O$
	0.62		0.62		0.62		0.62
Mol. Wt. (kg/kmol)	192		8		162		36.00
Feed (kg/hr)	110		4		100		22.32

2. 2,5 DI-CHLORO PHENOL:

Di Chloro aniline reacts with sulphuric Acid to form Di Chloro aniline sulphate. Di Chloro aniline sulphate reacts with mix acid to form diazo mass. Diazo mass reacts with dilute sulphuric acid to form crude Di Chloro Phenol. This reaction will generate N_2 gas and dilute sulphuric acid. This dilute sulphuric acid will be purified and concentrated for recycle purpose. Crude Di Chloro phenol separate out and distilled to get Di Chloro Phenol.

Stoichiometric reaction:

Di-chloro phenol:

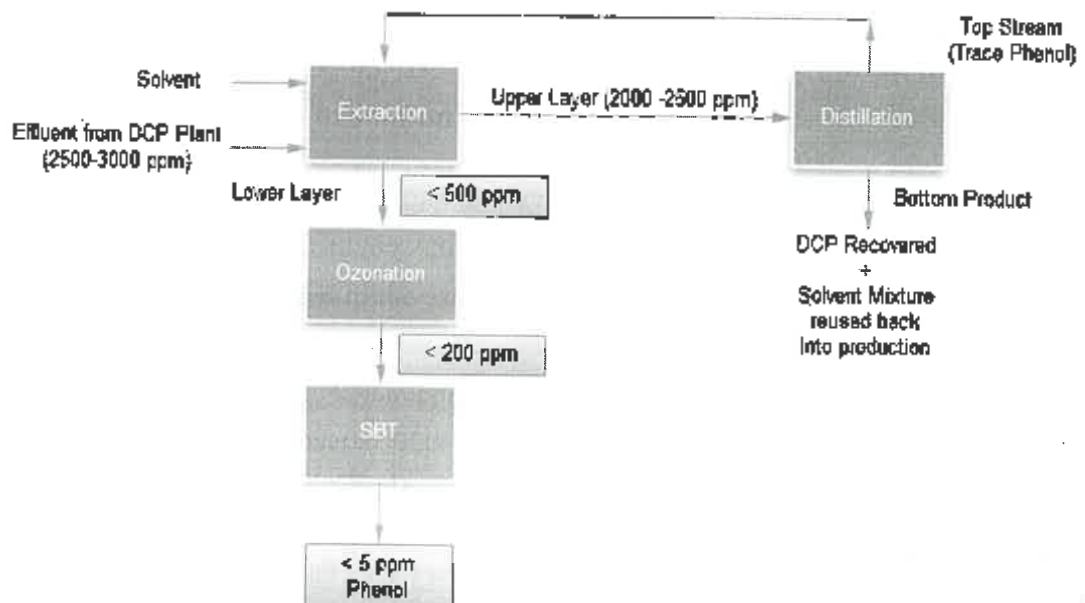


C. KEY HIGHLIGHTS OF CLEANER PRODUCTION PRACTICES:

1. Phenol recovery from DCP(Di-chlorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology

Phenol Recovery through extraction followed by distillation:

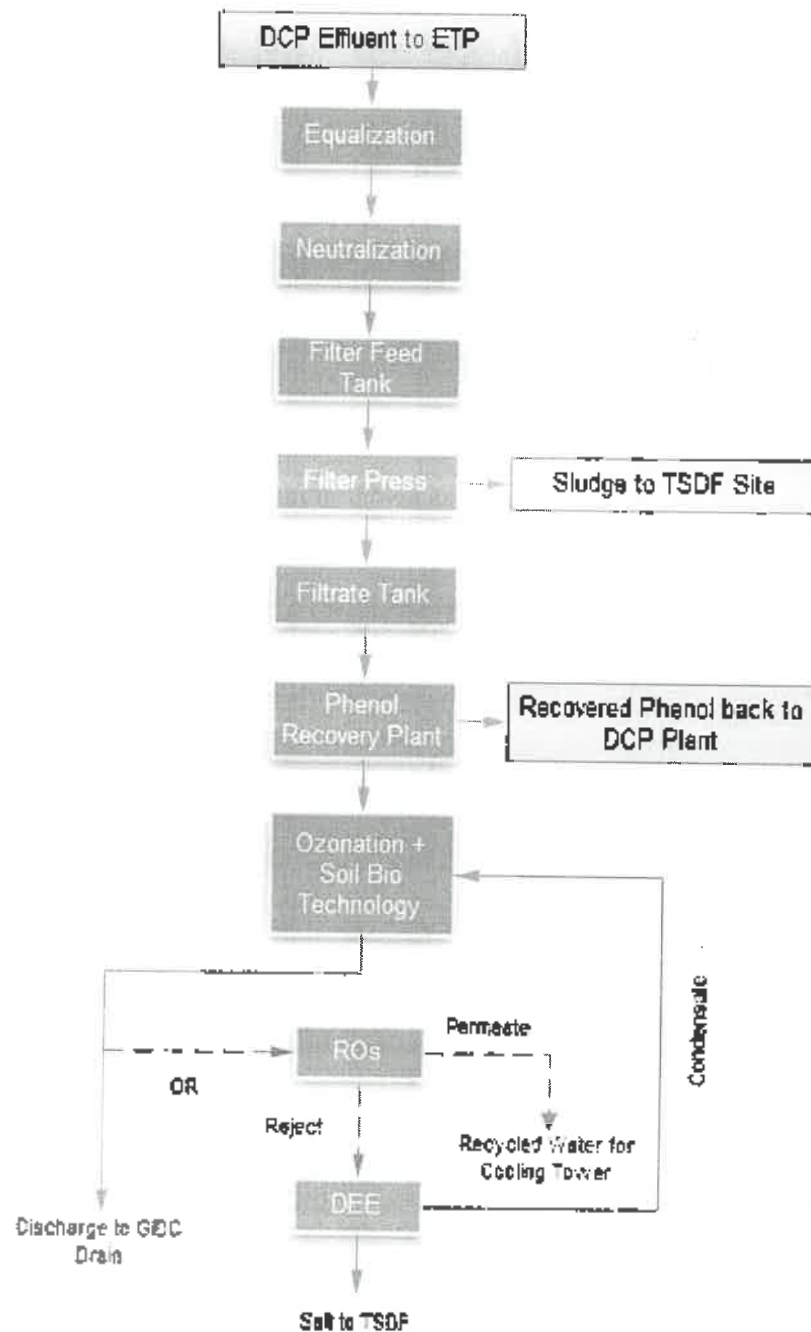
The phenol rich effluent is (2500-3000ppm) generated from the DCP (Di-chlorophenol) plant. The effluent is treated in the extraction column followed by the distillation column. The effluent is initially subjected to a distillation column to recover the phenol and bring down the phenolic content to <500ppm in the bottom of the column. The bottom of the Distillation Column i.e. recovered DCP+solvent mixture is reused back into the production. Top Stream is reused in Extraction Column.



Treatment of phenol by ozonation followed by soil-biotechnology:

Ozonation is followed by the Extraction to further reduce down the phenolic content to <200 ppm. The outlet of the ozonation chamber is subjected to SBT plant that works on biological processes where effluent passes through different stages so as to degrade the assay and breakdown of organic components. Here the effluent is subjected to a series of layers containing bio cultures attached to binding media followed by filtration systems so as to achieve the phenol content in the treated water <5 ppm.

The flowchart of effluent treatment is shown as below:



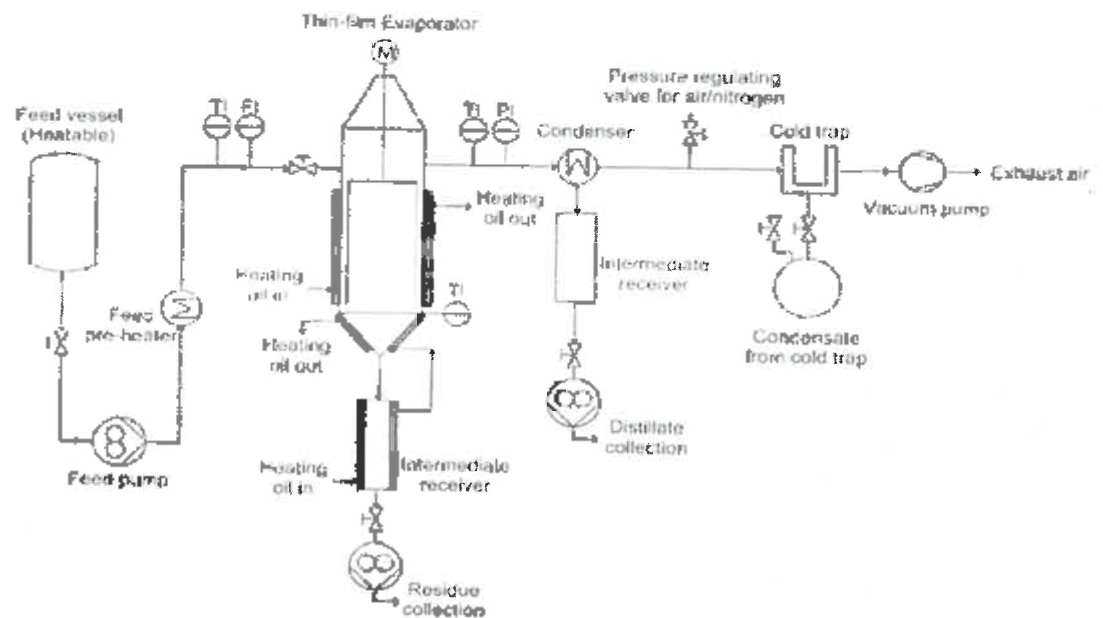
The aim of the Phenol recovery plant is to reduce the phenolic content from the DCP effluent (initial 2500-3000 ppm) by using solvent. Thus, in the vacuum distillation column followed by the atmospheric extraction column in the bottom part, they receive a 40:60 ratio as solvent: phenolic effluent. The recovered phenolic water is reused back into the process.



2. DCA (Di-chloroaniline) recovery from distillation residue with the use agitated thin film evaporator (ATFE)

The residue generated from distillation of crude product to obtain pure product DCA is further subjected to Agitated Thin Film Evaporator (ATFE) where product is agitated in vertical Thin Film Dryer (ATFD-V). It rotates in a precision-machined jacketed shell with desired evaporation temperature at different stages.

The feed is converted into a thin film layer which is intensely agitated due to action of the high-speed rotor. The feed material goes through phases of slurry, paste and wet powder, before coming out as a dry powder.



Previously distillation of crude product was done to obtain pure product DCA (Di-chloroaniline) and residue generated was disposed through hazardous waste management. After adopting this technology, they are able to recover the desired product with required purity which can be directly used in a DCP plant as a raw material. By this methodology they are able to minimize up to 70% hazardous waste residue and reduce the carbon footprint while going ahead with conservation of environment.

They use only In-house produced DCA in the manufacturing of DCP production.

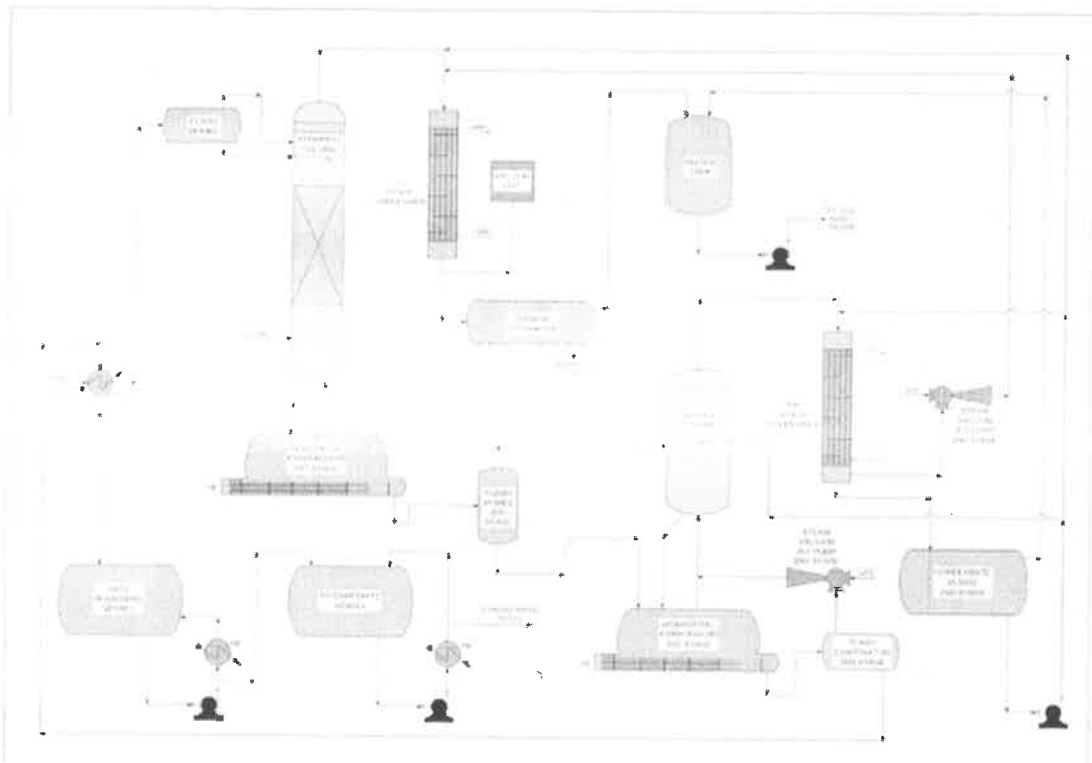


3. Reuse of 70% concentrated H_2SO_4 by increasing the concentration of H_2SO_4 by 90% through series of evaporation

In this process the concentration of H_2SO_4 is performed by the acid concentration units in 3 stages. The 90 % H_2SO_4 is used as raw material for the production of the DCP. Thus, the acid concentration plant is implemented for the concentration of H_2SO_4 from 70% to 90 %.

The Acid is fed into a flash vessel to stripping column where the mass is evaporated in 1st stage Evaporator. In this process the acid is concentrated by 80% from 70%.

The 10% evaporation loss consists of organic contains which is recycled back in DCP (Di-chlorophenol) plant as well as aqueous contains which is reused back in the steam generation unit.



The 80% concentrated acid is transferred to the 2nd stage flash vessel where again it is evaporated in 2nd stage evaporator system. The Acid is concentrated up to 90% in this stage. The evaporated mass passed by the quenching column via 3rd stage condenser system. The condensed water is used back in the steam generation unit.

In the 3rd stage the 90% H_2SO_4 is concentrated to 91-92% in the 3rd stage Vessel. The concentrated mass is transferred to the bleaching vessel by H_2O_2 in the intermediate vessel. The heating temperature in the flashing evaporator reaches 180°C. Where

the heat is used back in the initial flash vessel 1st phase process using the high temperature H_2SO_4 back in flash vessel 1st stage, the concentrated acid is sent for bleaching by H_2O_2 in bleaching vessel for the acid purity up to 90%.

In the NSA plant at stage-I, 70% concentrated H_2SO_4 is fed in the column where top Column temperature is approx 110°C where H_2O & DCP (1400-1500 ppm) vapor is generated and at the bottom of the column 80%-85% Concentrated H_2SO_4 is collected which is transferred to the Stage-II.

In Stage II 80-85% Concentrated H_2SO_4 is fed in the column where top column temperature is approx 60°C where the H_2O Vapor is generated and at the bottom of the column is 88% - 90% Concentrated H_2SO_4 is collected which was transferred to the Stage-III.

In Stage III 88%-90% Concentrated H_2SO_4 is fed in the column where Moisture Stripper is available to absorb the moisture and the bottom column is 90% - 92% Concentrated H_2SO_4 is collected which is transferred to the tank farm 1

In this process, no emission was their whole process is in the close loop and the 90% - 92% Concentrated H_2SO_4 is further stored in the tank farm 1 whereas the H_2O collected in Stage I & II is also utilized in the plant for the Steam Generation and generated steam is returned to the DCP plant.

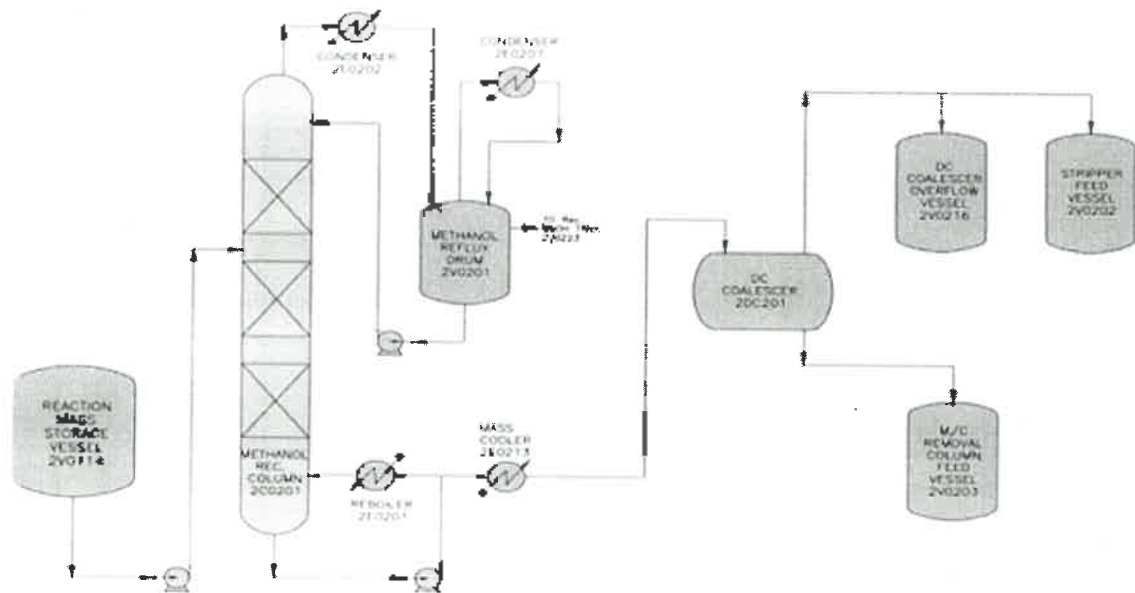
The Overall process is a continuous process in which it divided in two parts such as DCP crude product manufacturing (the fresh acid was consumed in this unit till the recovery process is started in SAC plant) and second is sulphuric acid concentration as a recovery of acid (SAC plant).

Only in the initial phase start-up of the process is required 2.98 Kg/Kg fresh H_2SO_4 is required to manufacture DCP crude (fresh consumption is up to 24 hours for the starting of the initial process). Afterward, the recovering process of Acid is started which is a continuous process, and in the end, the acid product is 90% H_2SO_4 which is a finished product.

4. Recovery of methanol from DCA obtained during 2,5-DCA production

Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is given as below:





Recovery of methanol from crude product (i.e., mixture of 2, 5 - DCA, methanol and water) is achieved by continuous distillation. In the distillation column, separation of components happens due to relative volatility. Here, a packed column is used for the recovery of methanol because it results in less pressure drop and the material separated is heat sensitive. The column is operated at atmospheric pressure. Methanol is obtained from distillate and collected in recovery vessel for further use in process.

The reaction mass storage vessel (2V0114) consists of solvent as media which is separated for the methanol recovery by distillation process in methanol recovery column (2C0201). To maintain the temperature as well as vapor equilibrium in the column further the methanol reflux process is done in the methanol reflux column via condenser system. The remaining methanol is transferred back to the recovered methanol recovery vessel.

The bottom product is processed for further separation units. Bottom of the distillation column is fed to DC Coalescer (Separation on different conductivity). It's a gravity settler work on basis of specific gravity and conductivity and separates two immiscible liquids into two separate layers. Water layer or top layer is separated and the bottom product is fed to the moisture removal column.

In the moisture removal column, material is dried as per product specifications. A continuous vacuum is maintained inside the column by means of a Liquid ring Vacuum System. Material is circulated through a heat exchanger. As pressure decreases in the drier boiling point of water is reduced and removed through condensers. The final product is obtained from the bottom of the column and stored in a specific storage tank.

D. Product recovery, reduction in effluent and hazardous waste generation:

Phenol + DCP mixture Recovery (expected at full capacity)		
1.	Phenol recovery, kg/Day	6600 Kg/Day
2.	Effluent reduction, kg/Day	6600 Kg/Day
DCA Recovery (expected at full capacity)		
1.	DCA recovery, kg/Day	1968 kg
2.	Residue reduction, kg/Day	1968 kg
Concentration increment in Sulfuric acid (from 70% to 90%) -		
1.	Saving of H ₂ SO ₄ (against fresh consumption)	327 KL/Day
2.	% Saving of fresh H ₂ SO ₄ consumption	100%
2.	Acid reduction (for disposal), kL/Day	327 KL/Day
Methanol Recovery		
1.	Methanol recovery, kL/Day	5.99 KL/Day
2.	Effluent reduction, kL/Day	5.99 KL/Day







E. Conclusion of the study:

1. Out of total 180 kL/day effluent generation in a DCP production, the major COD contributing component, i.e., phenol recovered in the tune of 6.6 kL/day. Thus, 6.6 kL/day effluent load reduces and subsequently COD load is reducing.
2. DCA production resulting to generation of 5.04 MT residue as a hazardous waste. With the introduction of ATFE, 2.5 MT DCA recovered. Thus, 2.5 MT hazardous waste generation reduced. Now, industry has to dispose of 2.54 MT hazardous waste instead of 5.04 MT waste.
3. Industry is recovering 446.3 kL/day concentrated Sulphuric acid (70%) from DCP production. With the use of series of evaporation system, concentration of sulfuric acid increases to 90% and reutilized for the process. Thus, industry has reduced fresh consumption of 90% sulfuric acid (357 kL/day). Out of total 357 kL 90% sulfuric acid, 323 kL utilized for process and 34 kL sell to market.
4. In the manufacturing of DCA, generation of waste stream (12.398 kL/day) consist of mainly methanol. The methanol recovered in the tune of 5.998 kL/day and rest of (6.4 kL/day) treated in existing ETP. Industry is in process to recover traces of methanol from 6.4 kL/day waste stream.

NOTE: Conclusions are based on the detail provided by industry representative. The basis for certain calculations were done at 100 % operational capacity of products.

Date: 04/04/2022

 Dr. Y. C. Rotliwala (Principal)	Dr. Yogesh Rotliwala Ph.D. (Chemical Engg.), Chemical Engineer	
	Dr. Hiral Tailor Ph.D. (Chemistry), Chemist	
	Dr. Himanshu Patel Ph.D. (Chemistry), Chemist	H. J. Patel
	Ms. Nidhi Halbe M.E. (Env.Engg.), Environmental Engineer	





POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name : M/S. AARTI INDUSTRIES LTD.	
Insured's Details	
Customer ID : PO18635610	Issuing Office Details
Address : 71, UDYOG KSHETRA, 2ND FLR. MULUND-GOREGAON, LINK ROAD. MUMLUND, MUMBAI	Office Code : C.D.U.III (120300)
MUMBAI, MAHARASHTRA, 400080	Address : NEW INDIA CENTRE, 2ND FLOOR, 17, A. COOPERAGE ROAD .400001
Phone No :	Phone No : 02222885563 / 02222892188
E-mail/Fax : info@artiindustries.com, /	E-mail/Fax : nia.120300@newindia.co.in / 02222823056
PAN No : AABCA2787L	S.Tax Regn. No : AAACN4165CST178
GSTIN/UIN : 27AABCA2787L1ZC / NA	GSTIN : 27AAACN4165C32P
	SAC : 997139 (Other non-life insurance services excl RI)

Policy Details	
Policy Number : 12030036223300000011	Business Source Code
Period of Insurance : From: 09/01/2023 12:00:01 AM To: 09/01/2024 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPBC User : Prudent Insurance Brokers Pvt. Ltd - (2010077353) Prudent Insurance_120300 (SIO243194)
Date of Proposal : 09-Jan-23	Agent/Bancassurance/Specialized Person :
Prev. Policy no. : 12030036213300000010	Phone No : NA / NA
Client Type : Corporate	E-mail/Fax : navin.shanbhag@prudentbrokers.com, /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
10383	10383	1868	22634	RUPEES TWENTY-TWO THOUSAND SIX HUNDRED THIRTY-FOUR ONLY	1203008122000000726 3 - 09/01/23

Details of risk covered under current year policy:

Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibles No of workmen	No of Other Employee
09/01/2020	<= 15 Crore	57	50000000	1:3	150000000	4408190000	4408190000	3435	3013

Retroactive Dates

Retroactive Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibles No of workmen	No of Other Employee
RETROACTIVE DATE 1	09/01/2020	<= 15 Crore	57	50000000	1.3	150000000	4408190000	4408190000	3435	3013

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension
-----------------------	----------------------------	------------------------------

Signature valid
Digitally signed by Aarti Industries Ltd
DN: cn=Aarti Industries Ltd, o=New India Assurance Co. Ltd, c=IN, email=info@artiindustries.com, serial=12, version=1

Handwritten signature

Policy No. : 12030036223300000011 Document generated by 40245 at 09/01/2023 12:18:22 Hours.

Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 208 1415.

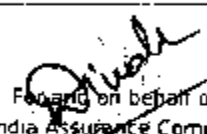


Special Conditions	AS PER PUBLIC LIABILITY ACT POLICY WORDING.	
	NA	
Special Exclusions	NA	
Special Excess/Deductible	1000	
Retroactive Dates	Date	
Retroactive date	09/01/2020	

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	Description	
Premium and GST Details	Rate of Tax	Amount in INR
Premium		₹ 20766.00
SGST	9	934
CGST	9	934
IGST	0	0

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 09th day of January, 2023.


For and on behalf of
The New India Assurance Company Limited

Date of Issue: 09/01/2023

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank _____ Dt. _____ consolidated Stamp Fees Paid by Pay Order Number _____ vide receipt number _____ dt. _____.

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4185C



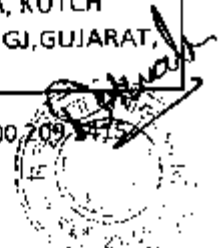
दि न्यू इंडिया एशुरेंस कंपनी लिमिटेड
मंडल कार्यालय 120300, न्यू इंडिया सेंटर, वृत्रा माला, 17-ए, कोपरेज रोड, मुंबई - 400039
THE NEW INDIA ASSURANCE CO. LTD.
DO-120300, New India Centre, 2nd Floor, 17-A, Cooperage Road, MUMBAI-400039
Tel: 022-22892729/38/40/41/43/48/49, 22882189. Fax: 022-22823058.

75
Azadi Ka
Amrit Mahotsav

To be attached and forming part of policy no 12030036223300000011

Location	Plant type	Location
ACID	Chemical	PLOT NO. 801-23, TO 802,803,804/1-2-3, 15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
Alchemie Organics	Chemical	PLOT NO. 902 923 PHASE-III, G.I.D.C, VAPI, DIST VALSAD, VAPI 396195
AMINE (DRY TECH DIVISION)	Chemical	285,286/1 A 322 12 23 24 NA 40SHED AREA GIDC PHASE II DIST-VALSAD, VAPI 396195
APPLE ORGANICS (Apple Interm)	Chemical-(Laghu)	PLOT NO. 610 609 ,100,SHED AREA, GIDC , VAPI, VALSAD 396195
Baroda office	Chemical	Block number 1, 3rd floor, R S No 3, Keval Corporate Park, Village channi, Baroda-390002
DAHEJ	Chemical	PLOT NO Z-103/H SEZ-II, DAHEJ, TAL- VAGRA, DIST - BHARUCH392130,NA,GJ1414,DAHE J, GJ,GUJARAT, INDIA, 392130.
DAHEJ-DIAMOND	Chemical	AARTI INDUSTRIES LTD, PLOT NO - Z 111 B, DAHEJ, SEZ-II,TAL VAGRA, DIST. BHARUCH-392130
DAHEJ-SAFRON	Chemical	AARTI INDUSTRIES LTD, PLOT NO - Z103/C, DAHEJ, SEZ-II,TAL VAGRA, DIST. BHARUCH-392130
HO	Office-(Laghu)	71, UDYOG KSHETRA, 2ND FLOOR, MULUND-GOREGAON LINK ROAD, MULUND[W]400080,NA,MH013,MUMBAI, MH,MAHARASHTRA, INDIA, 400080.
Vikhroli	OFFICE	Tower C, 4th Floor, Embassy 247, Lal Bahadur Shastri Rd, Gandhi Nagar, Vikhroli West, Mumbai, Maharashtra 400079
Jaghadia (Pearl,Ruby, Jade)	Chemical	PLOT NO.758/1,2 & 3,GIDC JHAGADIA,NA,GJ1749,JH AGADIA, GJ,GUJARAT, INDIA, 393110 PLOT NO. 756-4A, B/5A,B/6/7 ,779,GIDC, JHAGADIA393110,NA,GJ1749,JHAG ADIA, GJ,GUJARAT, INDIA, 393110 UNIT-2, PLOT NO 7562A,B/3A,B GIDC JHAGADIA,DISTBHARUCH 393002,GUJARAT,GJ1891 ,ANKLESHWAR GIDC, GJ,GUJARAT, INDIA, 393002. PLOT NO. 756-2A, B/3A,B, GIDC, JHAGADIA 396110,NA,GJ1539,Bigri, GJ,GUJARAT, INDIA, 396110
Kutch	Chemical	SURVEY NO. 1430/1, NATIONAL HIGHWAY NO. 8-A, KUTCH BHACHAU, GUJARAT370140,NA,GJ796,BHACHAU, GJ,GUJARAT, INDIA, 370140

रजि. प्रधान कार्यालय: न्यू इंडिया एशुरेंस कं. लि., 87, महात्मा गांधी रोड, फोर्ट, मुंबई 400001, टोल फ्री: 1800 209 2475
CIN NOL66000MH1919GOI000576





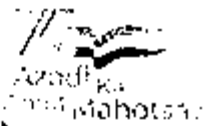
दि न्यू इंडिया एशुरेंस कंपनी लिमिटेड

मंडल कार्यालय 120300, न्यू इंडिया सेंटर, पुस्तक माला, 17-ए, कोपरगेज रोड, मुंबई - 400039

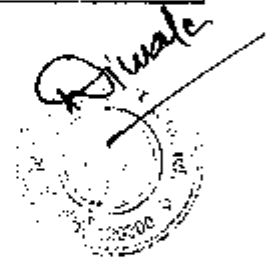
THE NEW INDIA ASSURANCE CO. LTD.

DO-120300, New India Centre, 2nd Floor, 17-A, Cooperage Road, MUMBAI-400039

Tel: 022-22822729; 3840/41/43/1849, 22822159. Fax: 022-22823058.



NASCENT	Chemical	PLOT NO. 24, PHASE-I, G.I.D.C., DIST. VALSAD, VAPI 396195
Nutrient	Chemical- (Laghu)	PLOT NO. 802,803,804/12-3, 801/15 TO 19, 21 AND 22 PHASE-III, G.I.D.C., INDUSTRIAL ESTATE, VAPI 396195., GJ1786, VAPI I E, GJ, GUJARAT, INDIA, 396195.
R & D MHAPE/Turbe	Chemical	PLOT NO A-94/1 MIDC, TTC IND AREA, NAVI MUMBAI - DIST THANE
R & D VAPI - Organic	Chemical- (Laghu)	PLOT NO. 802,803,804/12-3, 801/15 TO 19, 21 AND 22 PHASE-III, G.I.D.C., INDUSTRIAL ESTATE, VAPI 396195
SSP Fertiliser	Chemical	PLOT NO. 801/15, TO 19, 21 AND 22 PHASE-III, G.I.D.C., INDUSTRIAL ESTATE, VAPI 396195
TARAPUR UNIT -2	Chemical	TARAPUR UNIT-2, PLOT NO. L-5, L-4, L-8, L-9/1, MIDC TARAPUR, BOISAR, THANE, NA, MH1379, TARAPUR I A, MH, MAHARASHTRA, INDIA, 401506.
Vapi Unit - Organic	Chemical	PLOT NO. 801-23, TO 802,803,804/1-2-3, 15 TO 19, 21 AND 22 PHASE-III, G.I.D.C., INDUSTRIAL ESTATE, VAPI 396195



रजि. प्रधान कार्यालय: न्यू इंडिया एशुरेंस कं. लि., 87, महात्मा गांधी रोड, फोर्ट, मुंबई 400001, टोल फ्री: 1800 209 1415

CIN NO: L66000MH1919G01000526



ADJUSTMENT VOUCHER

Issuing Office : C.D.U III (120300)
Address : NEWINDIA CENTRE,2ND FLOOR, 17-A,COOPERAGE ROAD,
400001
MUMBAI
Insured Pan Number : AABCAZ787L
Phone : 02222885583
Email : nia_120300@newindia.co.in
Fax : 02222623058
Collection Number : 1203008122000002260
Collection Date : 09/01/2023
Business Source Code : 2010077353
PAN No of Payer : AABCAZ787L

Received with thanks from M/S. AART. INDUSTRIES LTD.

The amount received/Adjusted is towards -

Policy No.	A/C Description	Amount ₹	A/C Code	Sub A/C Code
1203003622300000011	Scroll-120300	22634.00	5081.120300	

Total = ₹ 22634.00

Your Payment/Adjustment Details are as under -

Mode	Amount ₹	Cheque No.	Cheque Date	Drawee Bank	Drawee Branch	Reference No.	Scroll/BG/A PD Balance
Scroll	22634.00	2312202 2	23-DEC-22	HDFC BANK LTD.	MUMBAI	1203002210011414	0.00

Total = ₹ 22634.00

Utilization details of the Collected Amount :

Premium	GST	Stamp Duty	Excess Amount
20766.00	1868.00	0.00	0
Sl no.	Agency Code	Agency Name	Department Code
1	NA	PRUDENT INSURANCE BROKERS PVT. LTD.	36

For The New India Assurance Company Limited

Date of Issue: 09/01/2023

Cashier's Initial

Authorized Signatory

Note -

1. Please note the Policy Number, Collection Number and date in all future correspondence.
2. NIA shall not be liable for any claim arising out of sales made during the period between the due date and date of payment of the installment if the premium paid has been exhausted by turnover declarations if there is insufficient premium balance.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 12030022E0003327

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C

Signature valid

Digitally signed by CAJAYEE
Date: 2023.01.09
12:00:53 IST

Policy No. : 1203003622300000011 Document generated by 40245 at 09/01/2023 12:00:53 Hours.

Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.



THE NEW INDIA ASSURANCE COMPANY LIMITED

Registered & Head Office- 87, M.G. Road, Fort, Mumbai-400001.

LIABILITY INSURANCE POLICY

(UNDER PUBLIC LIABILITY INSURANCE ACT 1991)

UIN No.- IRDAN190P0076100001

1. OPERATIVE CLAUSE

Whereas the Insured Owner named in the schedule hereto and carrying on business described in the said schedule has applied to **THE NEW INDIA ASSURANCE** Company Limited (hereinafter called the Company) for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contribution towards the Environment Relief Fund as per the provisions of the Public Liability Insurance Act and the rules framed thereunder.

NOW THIS POLICY WITNESSETH that subject to the terms, exceptions and conditions herein or endorsed hereon, the company will indemnify the insured owner against the statutory liability arising out of accidents occurring during the currency of the policy due to handling hazardous substances as provided for in the said Act and the Rules framed thereunder.

2. DEFINITIONS :

- a) "ACT" unless otherwise specifically mentioned shall mean the Public Liability Insurance Act 1991 as amended from time to time.
- b) "Accident" means an accident involving a fortuitous, sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radioactivity.
- c) "Handling" in relation to any hazardous substance means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance:
- d) "Hazardous Substance" means any substance or preparation which is defined as hazardous substance under the Environment (protection) Act, 1986, and exceeding such quality as may be specified by notification. by the Central Government.
- e) "Owner" means a person who owns or has control over handling any hazardous substance at the time of accident and includes :
 - i) in the case of a firm any of its partners
 - ii) in the case of an association, any of its members, and
 - iii) in the case of a company, any of its directors, managers, secretaries or other officers who is directly in charge of, and is responsible to the company for the conduct of the business of the company.
- f) "Turnover" shall mean



- i) Manufacturing units-Annual Gross Sales of all goods including all levies and taxes.
- ii) Godowns/warehouse owner-Total Annual rental receipts.
- iii) Transport Operators-Total Annual freight receipts.
- iv) other-Total Annual gross receipts.

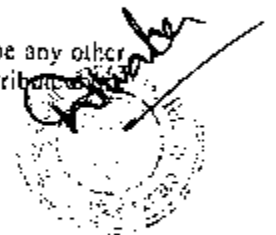
3. EXCLUSIONS :

This Policy does not cover liability :

- (1) arising out of willful or intentional non compliance of any Statutory provisions.
- (2) in respect of fines, penalties, punitive and/or exemplary damages.
- (3) arising under any other legislation except in so far as provided for in Section 8 Sub Section (1) and (2) of the Act.
- (4) in respect of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured Owner's control, care or custody.
- (5) directly or indirectly occasioned by happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection or military or usurped power.
- (6) directly or indirectly caused by or contributed to by,
 - (a) ionising radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel.
 - (b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.

4. CONDITIONS :

- (1) The Insured owner shall give written notice to the Company as soon as reasonably practicable of any claim made against the Insured Owner or of any specific event or circumstance that may give rise to a claim. The Insured Owner shall immediately give to the Company copies of notice of applications forwarded by the Collector and all such additional information and or assistance that the company may require.
- (2) No admission, offer, promise or payments shall be made or given by or on behalf of the Insured owner under this policy without the written consent of the Company.
- (3) The Company shall not be liable for any claim for relief made after five years from the date of occurrence of the accident.
- (4) The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.
- (5) If the time of happening of any accident resulting in a claim under this policy there be any other insurance covering same liability, then the Company shall not be liable to pay or contribute more than its ratable proportion of such liability.



- (6) This policy may be canceled by the Insured Owner by giving 30 days notice in writing to the company in which event the Company will retain premium at short period scale subject to there not having occurred an accident during the policy period which may give rise to a claim (s), failing which no refund of premium shall be allowable.
- (7) This Policy may also be canceled by the Insurer by giving 30 days notice in writing to the Insured Owner in which event the Company shall be liable to repay on demand a ratable proportion of the premium for the unexpired term from the date of cancellation.
- (8) If the Company shall disclaim liability to the Insured Owner for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a competent court of law, then the claim for all practical purposes shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be made the subject matter of any suit.
- (9) The Company shall not be liable to make any payment in respect of any claim if such claim shall be in any manner fraudulent or supported by any person on behalf of the Insured owner and/or if the insurance has been continued in consequence of any material misstatement or non disclosure of any material information by or on behalf of the Insured Owner. In such a case if the Company pays any amount to the claimant due to any statutory provision such amount shall be recoverable from the Insured Owner.
- (10) The Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed thereunder of this Policy shall bear such specific meaning.
- (11) Any dispute regarding interpretation of the terms, conditions and exceptions of this Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.

N.B. IN THE EVENT OF DISHONOUR OF PREMIUM CHEQUE THE POLICY AUTOMATICALLY STANDS CANCELLED AS FROM INCEPTION.





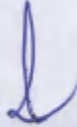
Medical Certificate of Fitness

Date : 03/02/2024

We hereby certify that we have carefully examined Mr. AnkurKumar Patel Age 28Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.

Pre-employment Medical health Check-up

Sign of Consultant:


Dr. Devkumar Varma
M.D.(Path), MBBS, CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg.No: G -11075

Stamp of Consultant:



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: ANKURKUMAR PATELAge: 28Sex: MALEPresent Medical Illness: NILPast Medical History: NILDietary Habits: VEGETARIANAddiction History: NILFamily Medical History: NILOccupational History: NILHeight: 166 cms Weight: 52.0 Kgs BMI: 18.9 Kg/m²BP: 120/80 mmHg PR: 84 /min T: - F SpO₂: 98 %General Examination: ROMBERG'S TEST NEGATIVECNS: WELL ORIENTED & CONSCIOUS CVS: S₁ & S₂ HEARD NORMALRS: B/L AIR ENTRY NORMAL PA: NORMALTrismus Test: THIRD FINGER

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N/6</u>	<u>N/6</u>
Far Vision	<u>6/6</u>	<u>6/6</u>
Colour Vision	<u>NAD</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms ANKURKUMAR PATEL and have found his/her reports to be authentic.Date: 03-02-2024Place: BHARUCH

Signature of Medical Officer
Dr. Devkumar Varma
M.D.(Path), MBBS, CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg.No: G -11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	ANKURKUMAR PATEL
Age / Sex :	28 y / MALE

Present Medical Illness :	NIL
Past Medical History :	NIL
Dietary Habits :	VEGETARIAN
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	166	m	Weight :	52.0	Kgs	BMI :	18.9	Kg/m ²
----------	-----	---	----------	------	-----	-------	------	-------------------

Temperature :	-	F	Pulse Rate :	84	/min
Blood Pressure :	120/80	mm Hg	SpO ₂ :	98	%

Trismus Test	THIRD FINGER
--------------	--------------

General Examination	NORMAL
Central Nervous System	NORMAL
Ear/Nose/Throat	NORMAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	NORMAL
Musculoskeletal System	NORMAL

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour vision	NAD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	8450	Bld group	O+ve	RBS	89.6	LFT	15/23
RFT	0.9	G6PD	123	HBsAg	Non- Reactive.	Ur R&M	NORMAL
PFT	NORMAL	PTA		ECG	WNL	CXR	NORMAL

I have personally examined Mr/Ms. ANKURKUMAR PATEL and have verified his/her reports to be authentic.

Remarks (if any) :

Name of Physician	Dr. Devkumar Varma M.D.(Path), MBBS, CIH, OCCUPATIONAL HEALTH CONSULTANT Reg.No: G -11075
Stamp	
Date	03-02-2024
Place	BHARUCH

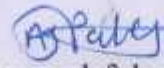
FORM NO. 33
(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations
(TO BE ISSUED BY FACTORY MEDICAL OFFICER)


- | | | | |
|----|--|---|-----------------------------|
| 1. | Serial number in the register of adult workers | : | |
| 2. | Name of the person examined | : | Ankurkumar Patel |
| 3. | Father's Name | : | Sureshbhai Patel |
| 4. | Sex | : | Male |
| 5. | Residence | : | Mahesana |
| 6. | Date of birth, if available | : | 20/07/1995 |
| 7. | Name & address of the factory | : | Aarti industries Ltd, Dahej |
| 8. | The worker is employed/proposed | : | |
| | (a) Hazardous process | : | |
| | (b) Dangerous operation | : | |

I certify that I have personally examined the above-named person whose identification marks are Mole on Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 28 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.

X 
Signature or left-hand thumb-
Impression of the person examined:

Signature of the Factory Medical Officer


Dr. Devkumar Varma
M.D.(Path), MBBS, CIH,
OCCUPATIONAL HEALTH
CONSULTANT

Reg.No: G -11075
Stamp of factory

Medical Officer with

Name of the Factory:



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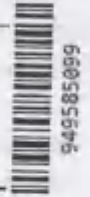
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aksharampathlab@gmail.com



Patient Name : **MR. ANKURKUMAR PATEL** Lab ID : **7338**
Age/Sex : **28Y/Male** Registration Date : **03/02/2024 11:38**
Attending Doctor : **DR. SRH** Report released on : **03/02/2024**
Attending Doctor :



Test Done	Result	UNIT	Normal Value
-----------	--------	------	--------------

HAEMATOLOGY

CBC,ESR

RBC PARAMETERS

HB -(Haemoglobin)	15.2	gm%	13.0-17.0
Erythrocyte Count (RBC Count)	5.2	mill./c.mm	4.5-5.5
Packed Cell Volume (PCV)-Hematocrit	45.6	%	40.0-50.0
Mean Corpuscular Volume (MCV)	87.69	fL	80 - 96
Mean Corpuscular Hemoglobin (MCH)	29.23	pg	28 - 33
Mean Corpuscular Hb concentration (MCHC)	33.33	%	31 - 36
RDW-CV	13.6	%	11.7 - 14.4

WBC PARAMETERS

Total Leukocyte Count (TLC/WBC)	8450	/c.mm	4000-10000
---------------------------------	------	-------	------------

Differential Count of WBC

Polymorphs Neutrophil	67	%	40-80
Lymphocytes	30	%	20-40
Eosinophils	01	%	1-6
Monocytes	02	%	2-10
Basophil	0.00	%	0-2

ABSOLUTE LEUKOCYTE COUNTS

Absolute Neutrophil Count	5661.50	/c.mm	2000-7000
Absolute Lymphocyte Count	2535.00	/c.mm	1000-3000
Absolute Eosinophils Count	84.50	/c.mm	00-500
Absolute Monocyte Count	169.00	/c.mm	200-1000
Absolute Basophil Count	0.00	/c.mm	00-100

PLATELET PARAMETERS

Platelet Count	215600	/c.mm	150000-450000
----------------	--------	-------	---------------

ESR	06	mm	1-7 9.0
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BIOCHEMISTRY

RANDAM BLOOD SUGAR	89.6	mg/dL	70-140
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Continue On Page - 2



BLOOD SAMPLE COLLECTION @

HOME CLINIC WORK

AKSHAY PATEL
B.Sc. DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. NITESH PATEL
M.D. Microbiology
Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, R K Casta, Behind Super Market, Station Rd, Bharuch, Gujarat 392001



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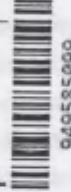
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aksharampathlab@gmail.com



Patient Name : **MR. ANKURKUMAR PATEL** Lab ID : **7338**
Age/Sex : **28Y/Male** Registration Date : **03/02/2024 11:38**
Attending Doctor : **DR. SRH** Report released on : **03/02/2024**
Attending Doctor :



Test Done	Result	UNIT	Normal Value
RFT (RENAL FUNCTION TEST)			
Blood Urea	24.6	mg/dl	05 - 45
Serum Creatinine	0.9	mg/dl	0.5 - 1.5

Continue On Page - 3 .

Approved by: **Dr. Dev Varma**
M.D.(Pathologist)
Reg.No. G-2489



BLOOD SAMPLE COLLECTION @

🏠 HOME 🏥 CLINIC 📁 WORK

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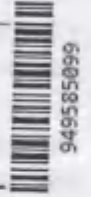
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aksharampathlab@gmail.com



Patient Name : **MR. ANKURKUMAR PATEL** Lab ID : **7338**
Age/Sex : **28Y/Male** Registration Date : **03/02/2024 11:38**
Attending Doctor : **DR. SRH** Report released on : **03/02/2024**
Attending Doctor :



Test Done	Result	UNIT	Normal Value
Serum SGPT(ALT)	15.6	IU/L	5 - 40 IU/L
Serum SGOT(AST)	23.6	IU/L	5 - 40 IU/L
Total Billirubin	0.5	mg/dl	Adult: 0.1 - 1.2 mg/dl Infants: 1.2 - 12 mg/dl
Direct Billirubin	0.3	mg/dl	0 - 0.3 mg/dl
Indirect Billirubin	0.2	mg/dl	0.2 - 0.7 mg/dl
Alkaline Phosphatase	46.3	IU/L	Female : 64-306 IU/L Male : 80-306 IU/L Children : 180-1200 IU/L
Serum Uric Acid	5.2	mg/dl	MALE: 3.4-7.0 mg/dl FEMALE: 2.4-5.7 mg/dl
G6PDH ENZYME TEST	12.3	µg Hb	6.6 - 17.2 µg Hb

METHOD : QUANTITATIVE (KINETIC)

Australia Antigen (HbsAg)

SEROLOGY

NON-REACTIVE

HAEMATOLOGY

BLOOD GROUPING & RH TYPING

"O"

POSITIVE

Continue On Page - 4

ABO GROUPING

Rh Typing

Approved by: Dr. Dev Varma
M.D.(Pathologist)
Reg.No. G-2489



BLOOD SAMPLE COLLECTION @

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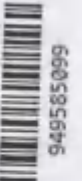
02642 355179



aksharampathlab@gmail.com



Patient Name	: MR. ANKURKUMAR PATEL	Lab ID	: 7338
Age/Sex	: 28Y/Male	Registration Date	: 03/02/2024 11:38
Attending Doctor	: DR. SRH	Report released on	: 03/02/2024
Attending Doctor	:		



Test Done	Result	UNIT	Normal Value
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CLINICAL PATHOLOGY

URINE ROUTINE EXAMINATION

Physical Examination

Colour PALE YELLOW

Chemical Examination

Urine Protein	ABSENT	ABSENT
Glucose	ABSENT	ABSENT
pH	6.5	4.5 - 8.0
Specific Gravity	1.025	1.003 - 1.030
Ketones	ABSENT	ABSENT
Urine Bilirubin	ABSENT	ABSENT
Nitrate	ABSENT	ABSENT
Blood	ABSENT	ABSENT

Microscopy Examination

Pus cells	2-3	/HPF	2-4
R.B.C.	NIL	HPF	3-4
Epithelial Cells	1-2	/HPF	
Casts	NOT SEEN	HPF	NOT SEEN
Crystals	NOT SEEN	/HPF	NOT SEEN

*****END OF REPORT*****

Approved by: Dr. Dev Varma
M.D.(Pathologist)
Reg.No. G-2489



BLOOD SAMPLE COLLECTION @

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Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, R K Casta, Behind Super Market, Station Rd, Bharuch, Gujarat 392001

ID: 125


ANKURKUMAR PATEL
Male 28Years

03-02-2024 11:19:57

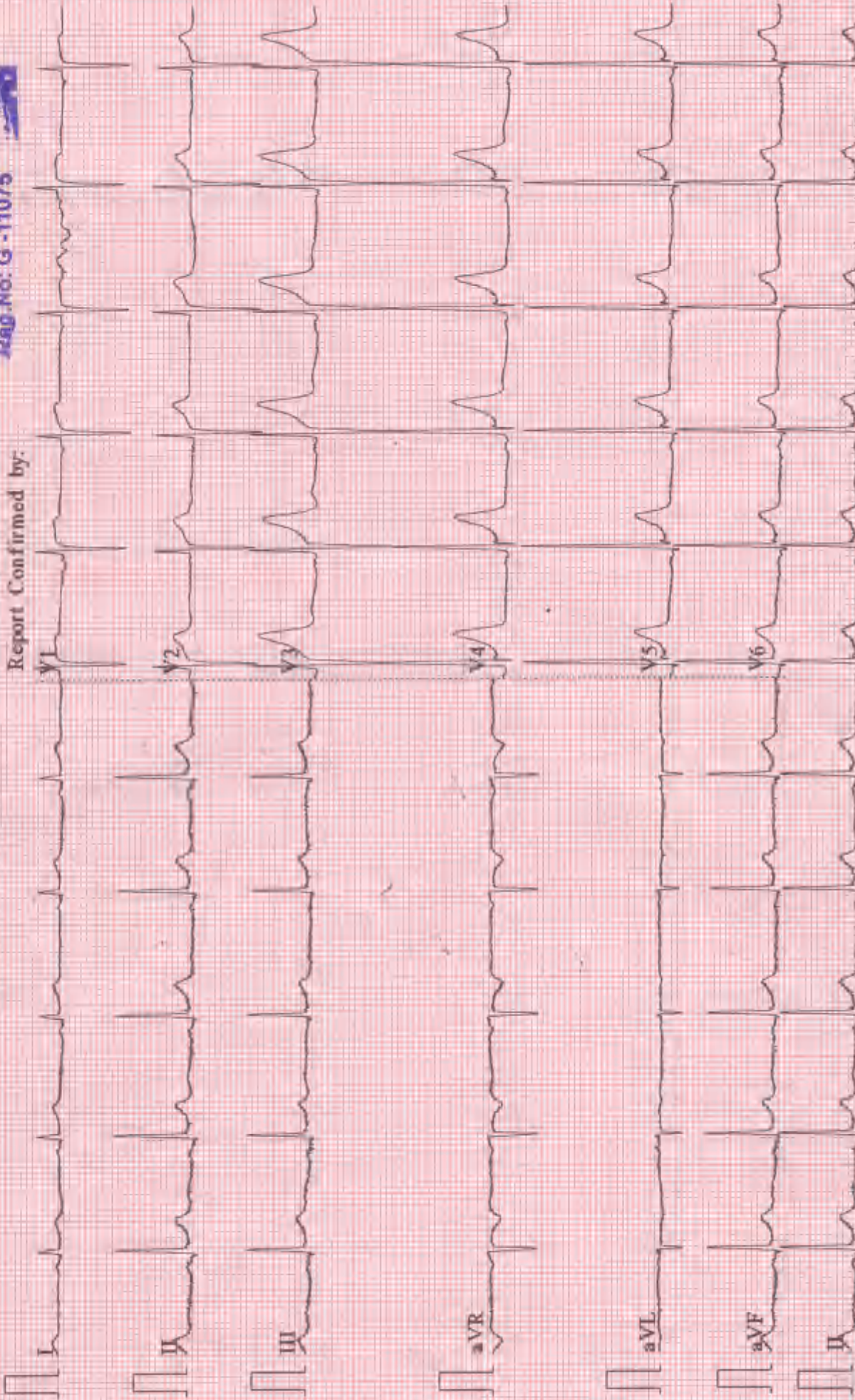
HR : 68 bpm
P : 94 ms
PR : 131 ms
QRS : 89 ms
QT/QTc : 345/367 ms
P/QRS/T : 56/75/66 °
RV5/SV1 : 2.755/1.239 mV

Diagnosis Information:

Sinus Rhythm
High Voltage(Left Ventricle)
ST Elevation(V4,V5)


Dr. Ueykumar Varma
M.D.(Path), MBBS,CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg.No: G -11075

Report Confirmed by:



0.67-100Hz AC50 2.5mm/s 10mm/mV 2*5.0s+1r #68

V2.2 SEMIP V1.81 S R HEALTHCARE SERVICES - BHARUCH

MATESHREE ENT. HOSPITAL

AUDIOGRAM



DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____

Date : 03-02-2024

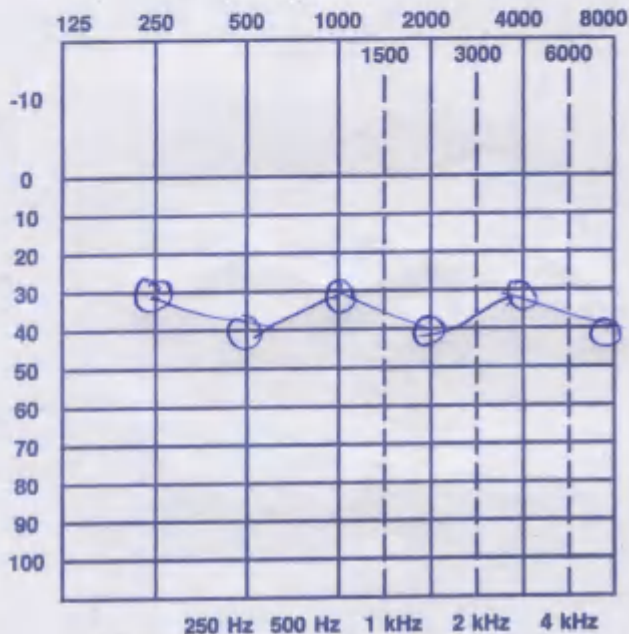
Audiogram of Ankur Kumar Patel

Age 28 Yrs. Sex male Ref. by _____

Occupation _____

Address _____

RIGHT

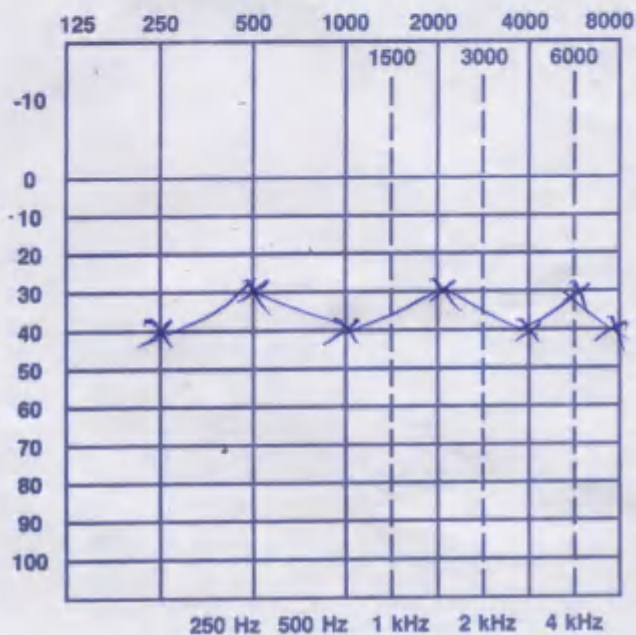


WEBER
Lateralized to

--	--	--	--

	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△]	0 ↓
L	X	>	□	[X ↓

LEFT



Clinical Findings _____

Comments B/E Normal

Dr. Gaurang Joshi
DLO MS (ENT)
Regd G 7667

Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH-392001
Ph: (H) 02607 269880

DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



Medicaid

Medistar Occupational Health care Services 6,7,8 Mahajan Complex Sevashram Road Pachbatti, Bharuch.

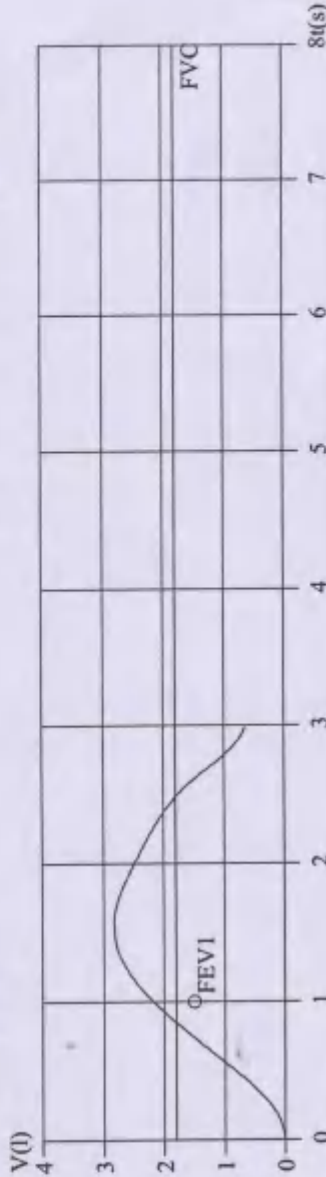
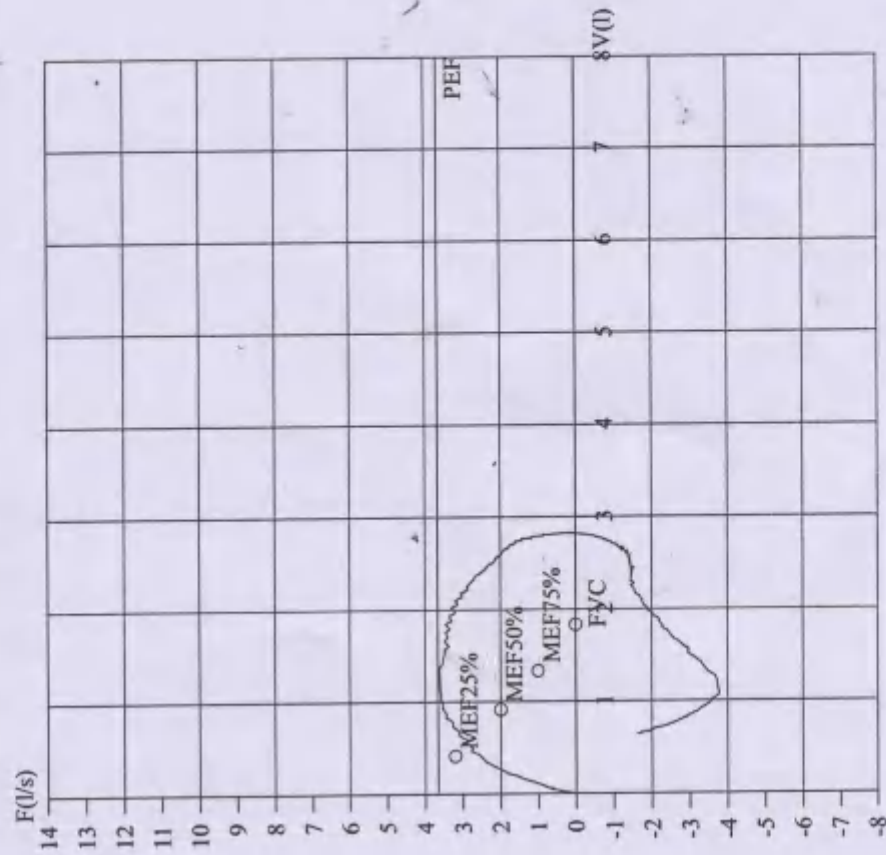
Last Name: **ANKURKUMAR PATEL**
First Name: **ANKURKUMAR PATEL**
ID: **1049**
Date: **03-02-2024**
Predicted: **ERS 93**

Date of Birth: **10-02-1996**
Sex: **Male**
Ethnic Corr.: **40%**
Description:
Comments:

Age: **28**
Weight (Kg): **52**
Height (cm): **166**
BSA (m2): **1.57**
Smoke: **ex**

TEST #1 - 03-02-2024

Forced Vital Capacity



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	1.8	3	166.7
FEV0.5(L)	---	0.87	---
FEV1(L)	1.53	2.31	151
FEV1/FVC%	82.17	77	93.7
PEF(L/s)	3.66	3.61	98.6
PIF(L/s)	---	3.77	---
FEF25-75%(L/s)	1.89	3.43	181.5
Vmax25%(L/s)	3.11	3.27	105.1
Vmax50%(L/s)	2.03	3.53	173.9
Vmax75%(L/s)	0.91	3.01	330.8
FET100%(s)	---	1.57	---
EL-A (Years)	100	100	100

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC>80%Pred%FEV1/FVC and FVC>80%PredFVC)

Dr.

Dr. Devkumar Varma
M.D.(Path), MBBS,CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg.No: G -11075





NAME : ANKURKUMAR PATEL
DATE : 03/02/2024

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

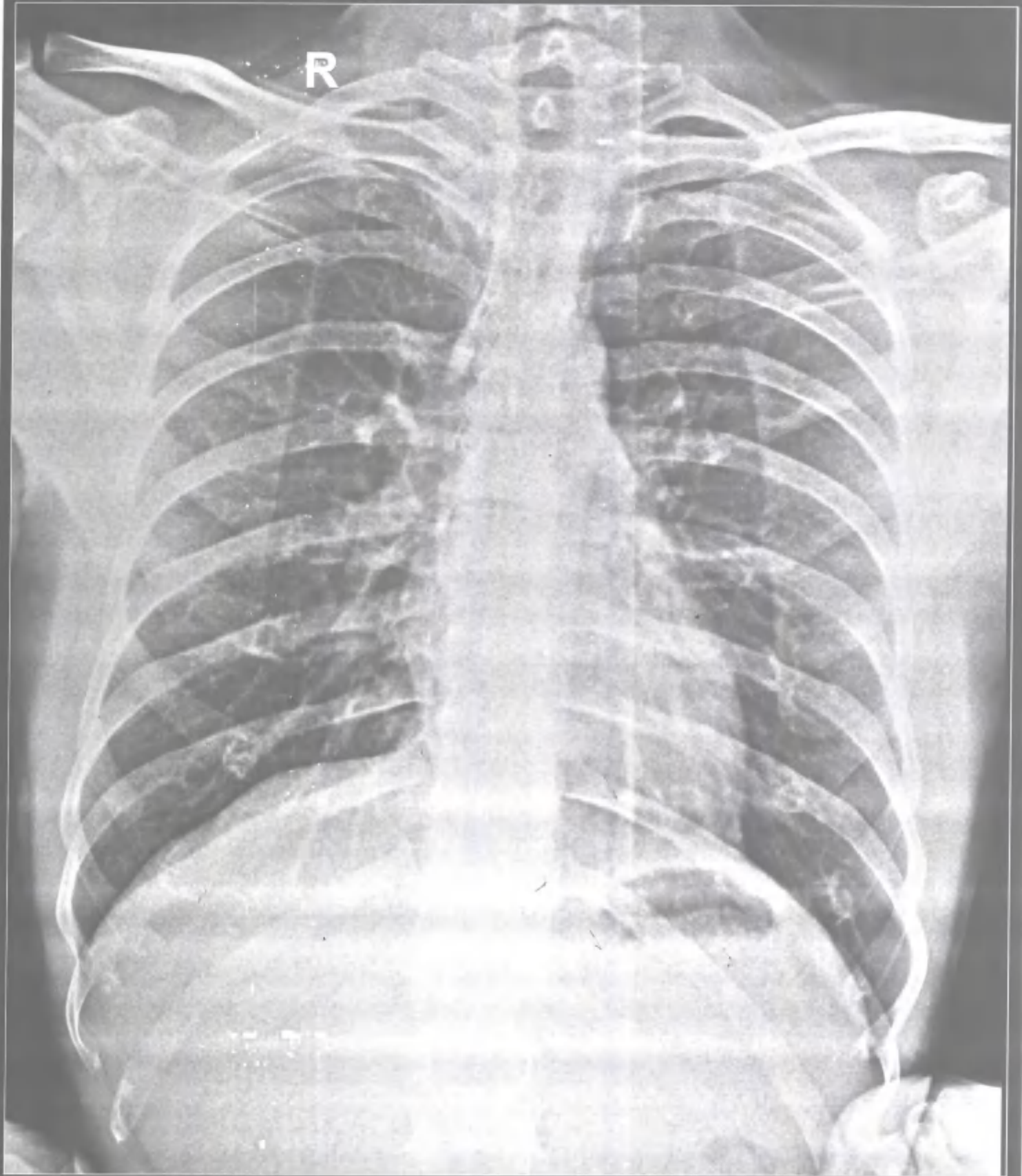
Comments: No abnormality detected.

THANKS FOR REFERENCE.

K. B. Vasava

DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST





ANKUR PATEL 030201 M CHEST PA 03-Feb-24 11:27 AM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



S R Healthcare Services

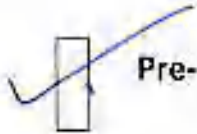
+91 704 371 6666

srhealthcarebh@gmail.com

Medical Certificate of Fitness


Date 05/12/2023

We hereby certify that we have carefully examined Mr. Nikulbhai Makwana
Age 28Yrs/ Male and find that he is not suffering from any illness and is Fit to
continue duties in your organization. We also certify that before arriving at this
decision, we have examined all the original medical records of his.



Pre- employment Medical health Check-up

Sign of Consultant:


Dr. Devkumar Varma
M.D.(Path), MBBS, CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg.No: G -11075

Stamp of Consultant:



MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name : NIKUL MAIKWANA

Age : 28

Sex : MALE

Present Medical Illness : NIL

Past Medical History : NIL

Dietary Habits : MIX

Addiction History : NIL

Family Medical History : NIL

Occupational History : NIL.

Height : 165 cms Weight : 58.2 Kgs BMI : 21.4 Kg/m²

BP : 110 / 70 mmHg PR 60 /min T : - F SpO2 : 99 %

General Examination : ROMBERG'S TEST NEGATIVE

CNS : WELL ORIENTED CVS : BILIBILIRUBIN & CONSCIOUS. NORMAL

RS : S2 & S2 HEARD PA : NORMAL
NORMAL.

Trismus Test : THIRD FINGER

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>N/6</u>	<u>N/6</u>
Far Vision	<u>6/6</u>	<u>6/6</u>
Colour Vision	<u>IND</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms NIKUL MAIKWANA and have found his/her reports to be authentic.

Date : 05/12/2023 Signature of Medical Officer

Place : BHARUCH.

Dr. Devkumar Varma
M.D.(Path), MBBS, CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg.No: G -11075

Medical Examination Certificate for employment at AIL
(To be issued by General Physician or Industrial Physician Only)

Name :	NIKUL MAIKWANA
Age / Sex :	28 / MALE

Present Medical Illness :	NIL
Past Medical History :	NIL
Dietary Habits :	MIX
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	165cm	Weight :	55.2 Kgs	BMI :	21.4 Kg/m ²
----------	-------	----------	----------	-------	------------------------

Temperature :	F	Pulse Rate :	60 /min
Blood Pressure :	110/70 mm Hg	SpO ₂ :	99 %

Trismus Test	THIRD FINGER
--------------	--------------

General Examination	NORMAL
Central Nervous System	NORMAL
Ear/Nose/Throat	NORMAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	NORMAL
Musculoskeletal System	NORMAL

	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	NIG	NIG
Colour vision	NAD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	8700	Bld group	A ⁺ E	RBS	88.5	LFT	26/33
RFT	0.9	G6PD	12.2	HBsAg	INDIV-REACTIVE	Ur R&M	NORMAL
PFT	NORMAL	PTA		ECG	WNL	CXR	NORMAL

I have personally examined Mr/Ms. NIKU MAICWANG and have verified his/her reports to be authentic.

Remarks (if any) :

Name of Physician	
Stamp	
Date	05/22/2023
Place	BARROETOWN.

FORM NO. 33
(Prescribed under Rule 68-T and 102)

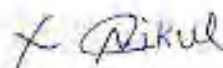
Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

1. Serial number in the register of adult workers :
2. Name of the person examined : Nikulbhai Makwana
3. Father's Name : Somabhai Makwana
4. Sex : Male
5. Residence : Bharuch
6. Date of birth, if available : 18/10/1995
7. Name & address of the factory : Aarti industries Ltd, Dahej
8. The worker is employed/proposed :
(a) Hazardous process :
(b) Dangerous operation :

I certify that I have personally examined the above-named person whose identification marks are Mole on Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 28 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.


Signature or left-hand thumb
Impression of the person examined:


Signature of the Factory Medical Officer
Dr. Devkumar Varma
M.D.(Path), MBBS, CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg. No. G-11075
Medical Officer with

Name of the Factory:

ID: 71

NIKUL MAKWANA
Male 28Years

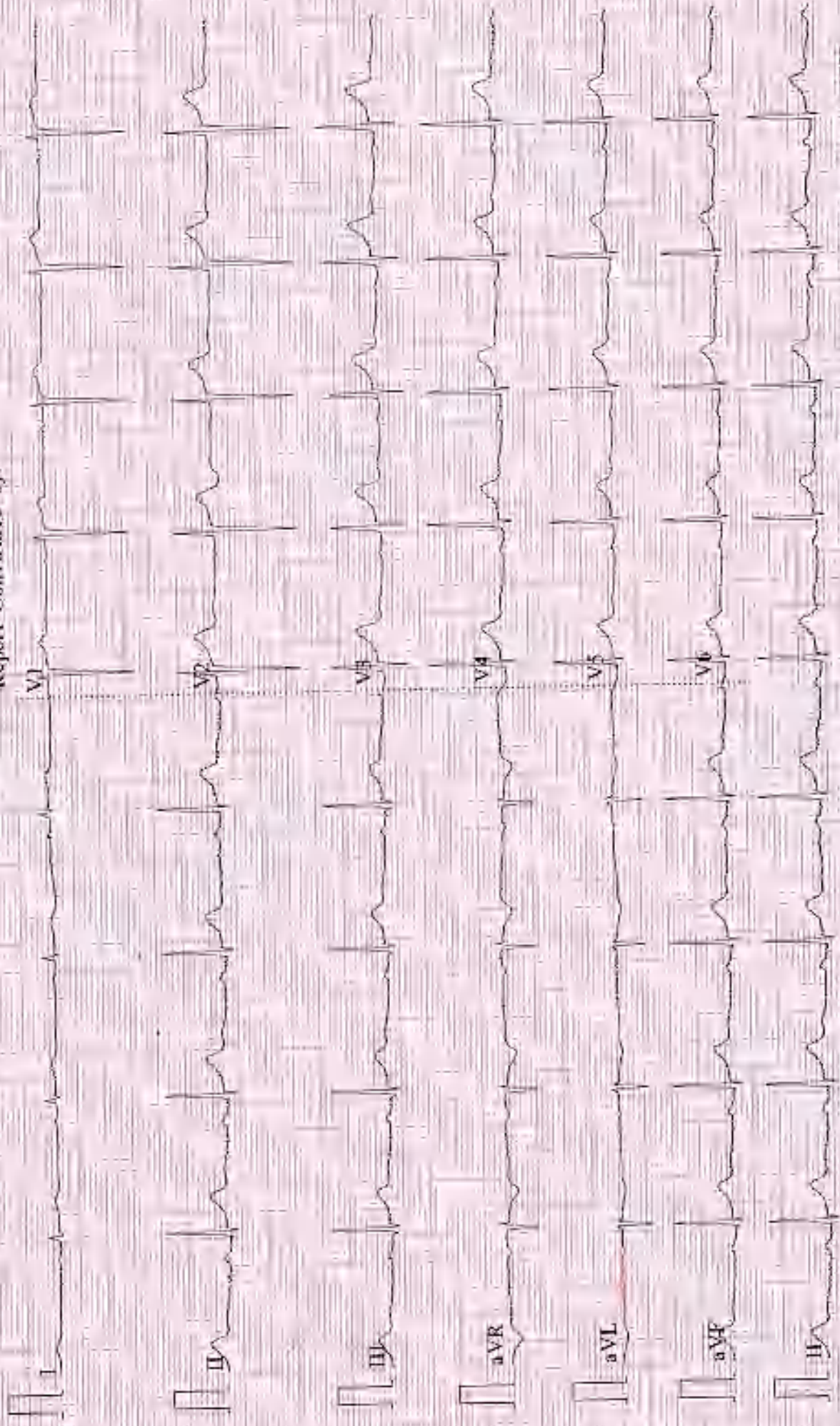
05-12-2023 11:10:44

HR : 58 bpm
 P : 99 ms
 PR : 193 ms
 QRS : 84 ms
 QT/QTc : 403/399 ms
 P-QRS/T : 67/78/78
 RV5/SV1 : 1.173/1.539 mV

Diagnosis Information:
 Sinus Bradycardia

3211

Report Confirmed by:



MATESHREE ENT. HOSPITAL AUDIOGRAM



DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269900

Code No. : _____

Date : 05/22/2023

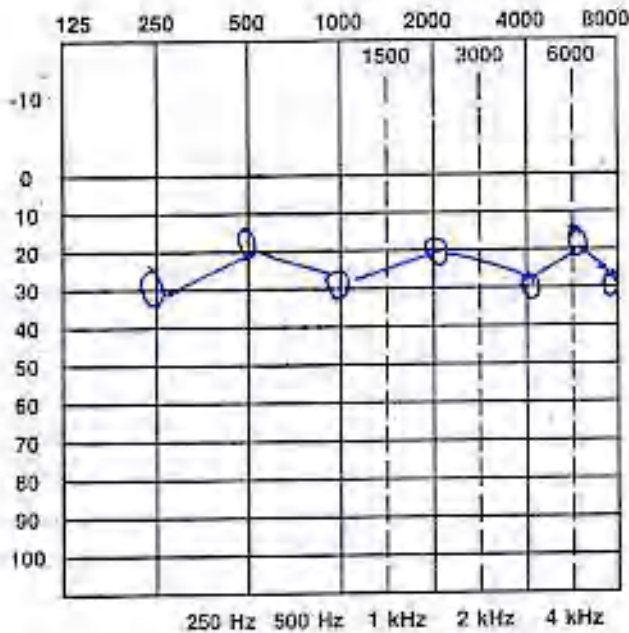
Audiogram of Nikul Makwana

Age 28 Yrs, Sex male Ref. by _____

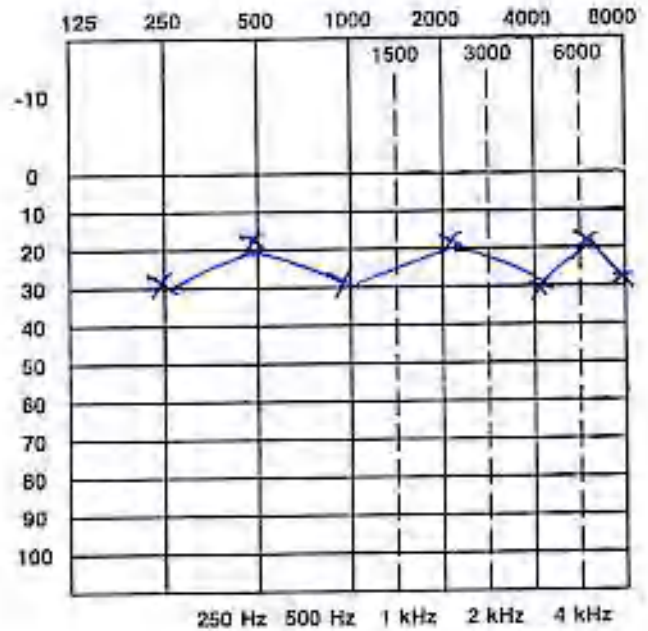
Occupation _____

Address _____

RIGHT



LEFT



WEBER
Lateralized to

--	--	--	--

	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△		0 ↓
L	X	>	□		X ↓

Clinical Findings: _____

Comments B/C NORMAL

Dr. Gaurang Joshi
D.L.O.M.S. (ENT)
Regd. G. 3667
Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH-392001
Ph - 269900

DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



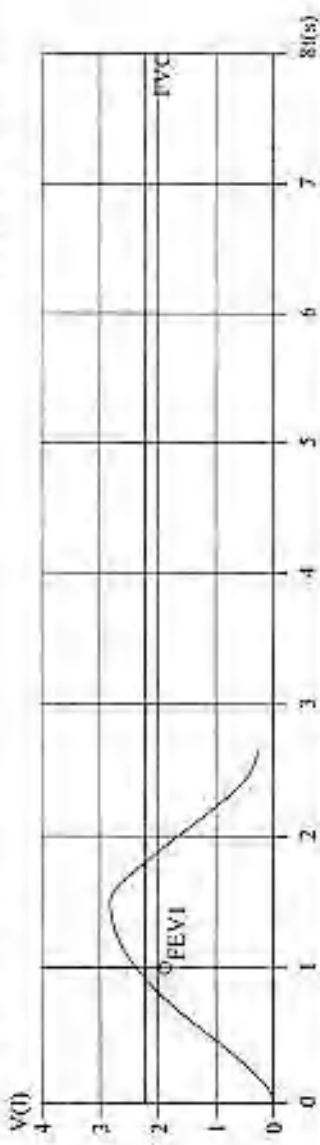
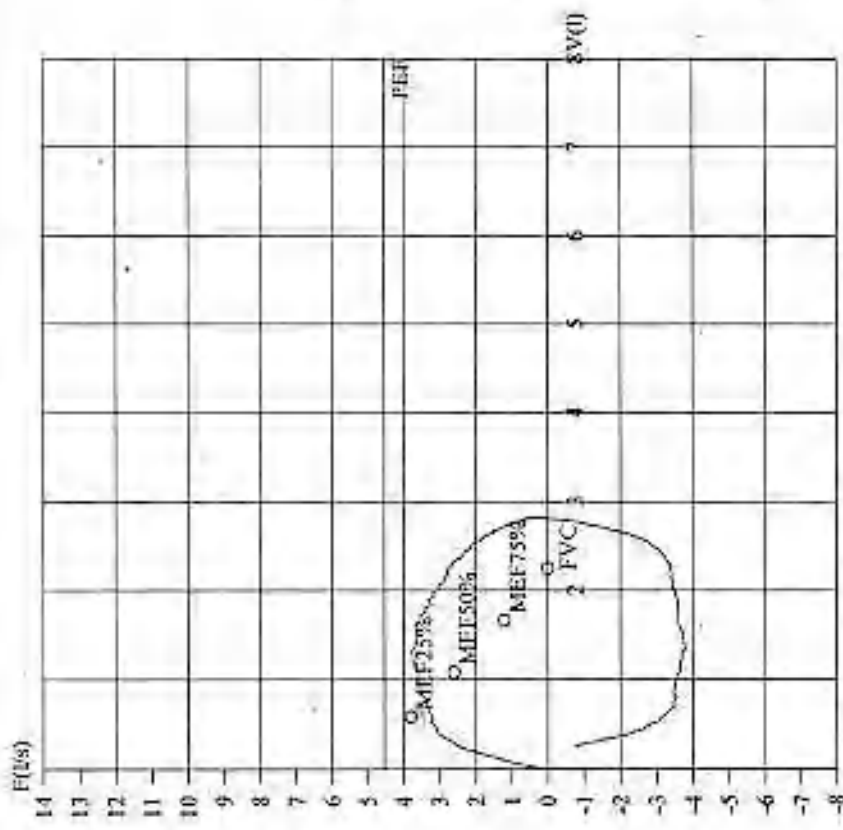
Medistar Occupational Health care Services
6,7,8 Mahajan Complex Sevashram Road
Pachbatti, Bharuch.

Last Name: **NIKULBHAI MAKWANA**
 First Name: **865**
 ID: **05-12-2023**
 Date: **ERS 93**
 Prefix/ID:

Date of Birth: **10-12-1995**
 Sex: **Male**
 Ethnic Curr.: **50%**
 Description:
 Comments:

Age: **28**
 Weight (Kg): **58**
 Height (cm): **165**
 BSA (m²): **1.63**
 Smoke: **ex**

TEST #1 - 05-12-2023



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	2.22	3	135.1
FEV0.5(L)	---	1.18	---
FEV1(L)	1.9	2.51	132.1
FEV1/FVC%	82.17	83.67	101.8
PEF(L/s)	4.54	3.77	83
PIF(L/s)	---	3.78	---
FEF25-75%(L/s)	2.35	3.46	147.2
Vmax25%(L/s)	3.86	3.25	86.8
Vmax50%(L/s)	2.52	3.7	146.8
Vmax75%(L/s)	1.12	2.88	257.1
FEF100%(s)	---	1.48	---
ELA (Years)	88	88	88

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC > 80% Pred, %FEV1/FVC and FVC > 80% Pred FVC)

Dr.

Dr. Devkumar Varma
 M.D.(Path), MBBS, CIH,
 OCCUPATIONAL HEALTH
 CONSULTANT
 Reg.No: G -11075





NAME : NIKULBHAI MAKWANA
DATE : 05/12/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

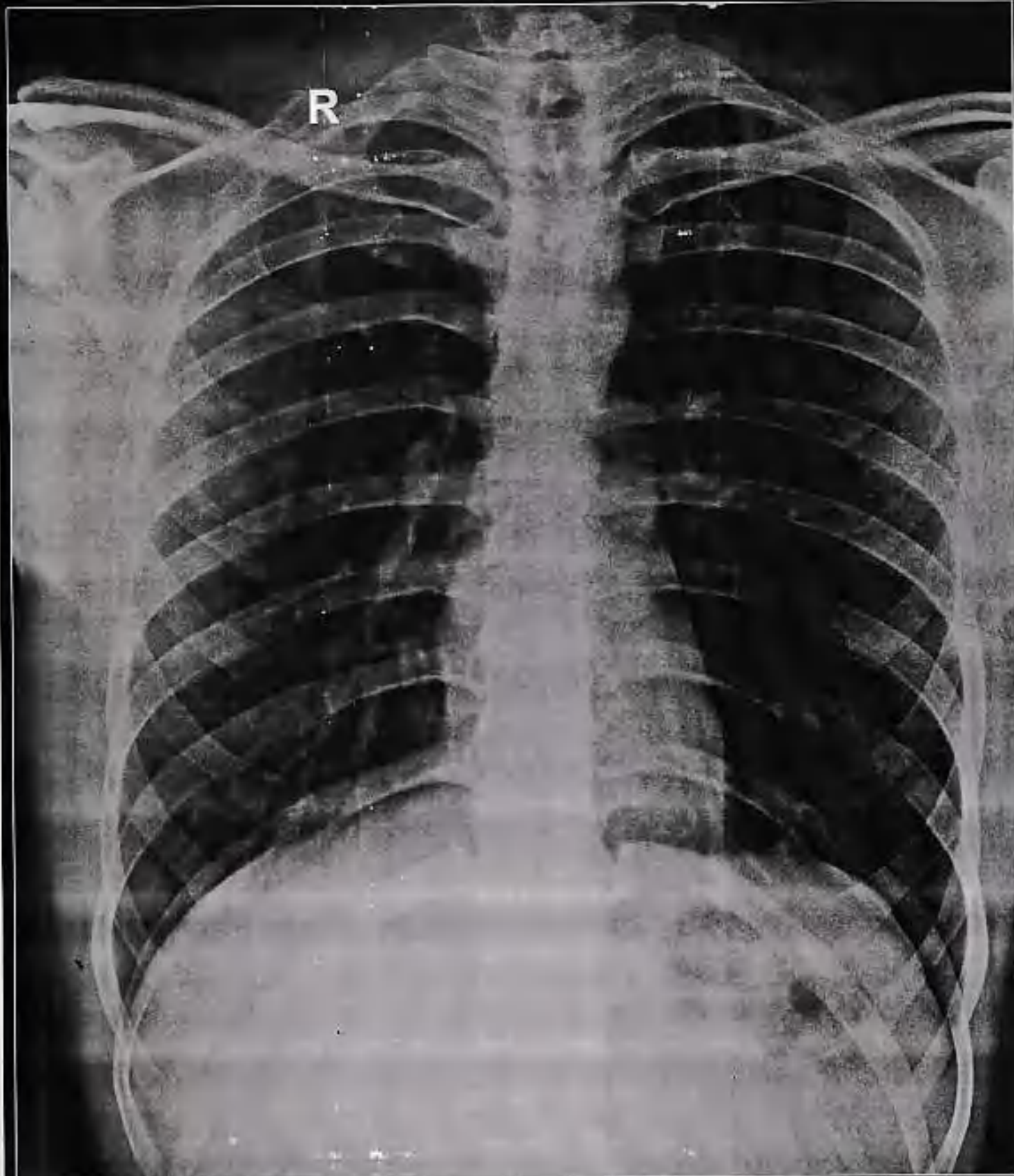
Comments: No abnormality detected.

THANKS FOR REFERENCE.

K. B. Vasava

DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST





**NIKULBHAI MAKWANA 051201 M CHEST PA 05-Dec-23 10:45 AM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH**



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PATH LAB
For us...Quality Matters...



+91 98249 64026




02642 355179



aksharampathlab@gmail.com



TEST REPORT			
 2 3 0 1 0 2 8 0 4 8			
Name	: Nikulbhai Makwana	Age	: (28Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 05/12/2023 12:01	Reg.No.	: 2301028048
Account	: SRH	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobin	15.2	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	5.0	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	42.3	%	40 - 50	Cumulative Pulse Height
MCV	99.5	fL	83 - 101	Derived From RBC Histogram
MCH	28.6	pg	27 - 32	Calculated
MCHC	31.2	%	31.5 - 34.5	Calculated
RDW	12.6	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	8700	/c.mm	4000 - 10000	Electrical Impedance
Differential Count [%]		Unit	Biological Ref. Interval [Abs.]	Unit Biological Ref. Interval
<i>(Flowcytometry /MICROSCOPY)</i>				
Polymorphs	55	%	40 - 80	4785 /c.mm 2000 - 7000
Lymphocytes	35	%	20 - 40	3045 /c.mm 1000 - 3000
Monocytes	04	%	2 - 10	348 /c.mm 200 - 1000
Eosinophils	06	%	1 - 6	522 /c.mm 00 - 500
Basophils	00	%	0 - 2	0 /c.mm 00 - 100
Neutrophil to Lymphocyte Ratio (NLR)	1.6	%	0.78 - 3.53	Calculated
Platelet Count	198000	/c.mm	150000 - 450000	Electrical Impedance
ESR	03	mm		Modified westergren method
REFERENCES	(1) Practical Hematology by Dacie & Lewis (12th Edition). (2) Nathan/Oski, Hematology of Infancy and Childhood (7th Edition,2009).			

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. HITESH PATEL
M.D. Microbiology
Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, R K Costa, Behind Super Market, Station Rd, Bharuch, Gujarat 392001



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PATH LAB
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+91 98249 64026



02642 355179



aksharampathlab@gmail.com



2301028048

TEST REPORT

Name	: Nikulbhai Makwana	Age	: (28Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 05/12/2023 12:01	Reg.No.	: 2301028048
Account	: SRH	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method:
Blood Urea	26.3	mg/dL	10 - 50	UREASE-GLDH
Uric Acid	5.2	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.3	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.1	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.2	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	26.3	U/L	0 - 40	IFCC
S.G.O.T. (AST)	33.2	U/L	0 - 40	IFCC
Creatinine	0.9	mg/dL	0.4 - 1.5	Enzymatic
Alkaline Phosphatase	98.5	U/L	35 - 105	AMP
Random Plasma Glucose	88.5	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

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aksharampathlab@gmail.com



2 3 0 1 0 2 8 0 4 8

TEST REPORT

Name	: Nikulbhai Makwana	Age	: (28Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 05/12/2023 12:01	Reg. No.	: 2301028048
Account	: SRH	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quantitative	13.2	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
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AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

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2301028048

TEST REPORT

Name	: Nikulbhai Makwana	Age	: (28Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 05/12/2023 12:01	Reg. No.	: 2301028048
Account	: SRH	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval
HBsAg Qualitative	Non- Reactive		Non -Reactive

Please Note: Rapid Test is not a confirmatory test please confirm with other confirmatory test .

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. HITESH PATEL
M.D. Microbiology
Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

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2301028048

TEST REPORT

Name	: Nikulbhai Makwana	Age	: (28Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 05/12/2023 12:01	Reg.No.	: 2301028048
Account	: SRH	Mobile No.	:

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)

Method : (Microscopic Examination)

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected
:	

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. HITESH PATEL
M.D. Microbiology
Reg. No. G-2493

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, R K Costa, Behind Super Market, Station Rd, Bharuch, Gujarat 392001



AKSHARAM
॥ ॐ ॥
PATH LAB
For us...Quality Matters...



+91 98249 64026



02642 355179



aksharampathlab@gmail.com



2301028048

TEST REPORT

Name	: Nikulbhai Makwana	Age	: (28Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 05/12/2023 12:01	Reg. No.	: 2301028048
Account	: SRH	Mobile No.	:

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Investigation	Result	Method
ABO TYPE	A	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. HITESH PATEL
M.D. Microbiology
Reg. No. G-24903

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॥ ॐ ॥
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+91 98249 64026



02642 355179



aksharampathlab@gmail.com



2301028048

TEST REPORT

Name	: Nikulbhai Makwana	Age	: (28Y)
Ref. By	: C/o Srh	Sex	: Male
Reg. Date	: 05/12/2023 12:01	Reg.No.	: 2301028048
Account	: SRH	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.))

Investigation	Result	Biological Ref. Interval	Method
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PHYSICAL EXAMINATION

Colour Pale Yellow Pale Yellow

Transparency Clear Clear

CHEMICAL EXAMINATION

(Automated Strip test)

Specific Gravity 1.010 1.005 - 1.025

Reaction (pH) 6.0 4.5 - 8.0

Sugar Absent Absent

Acetone Absent Negative

Proteins Absent Absent

Bilirubin Absent Negative

Urobilinogen Absent Negative

Leukocyte Esterase Absent Negative

Nitrite Absent Negative

Blood Absent Negative

MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref.Interval	Method (Microscopy)
-------------------------	--------	------	-------------------------	-----------------------

Pus Cells 2-3 /HPF Absent

Red Cells NIL /HPF Absent

Epithelial Cells 0-1 /HPF Absent

----- End Of Report -----

Approved by: Dr. Dev Varma
M.D. (Pathologist)
Reg. No. G-2489

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

DR. DEV VARMA
M.D. Pathology
Reg. No. G-2489

DR. HITESH PATEL
M.D. Microbiology
Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, R K Costa, Behind Super Market, Station Rd, Bharuch, Gujarat 392001



S R Healthcare Services

+91 704 371 6666

srhealthcarebh@gmail.com


Medical Certificate of Fitness

Date : 11/12/2023

We hereby certify that we have carefully examined Mr. Priyansinh Raj
Age 27Yrs/ Male and find that he is not suffering from any illness and is Fit to
continue duties in your organization. We also certify that before arriving at this
decision, we have examined all the original medical records of his.

Pre-employment Medical health Check-up

Sign of Consultant:


Dr. Devkumar Varma
M.D.(Path), MBBS, CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg.No: G -11075

Stamp of Consultant:



I. 234, 2nd Floor, Golden Plaza, Opp. Telephone Exchange, M.G. Road, Bharuch - 392001
II. Shop. No.6, Sky View Shopping Centre, Near Villayat Cross Road, Vagra Road, Bharuch.

MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name: PRITANIK SETHI RAJ

Age: 27

Sex: MALE

Present Medical Illness: NIL

Past Medical History: NIL

Dietary Habits: MIX

Addiction History: NIL

Family Medical History: NIL

Occupational History: NIL

Height: 169 cms Weight: 69.6 Kgs BMI: 24.0 Kg/m²

BP: 110/70 mmHg PR: 87 /min T: - F SpO₂: 98 %

General Examination: ROMBERG'S TEST NEGATIVE

CNS: WELL ORIENTED & CONSCIOUS. CVS: S1 & S2 HEARD NORMAL

RS: BIL BIL ENTRY PA: NORMAL
NORMAL.

Trismus Test: THIRD FINGER

Visual Acuity	Left Eye	Right Eye
Near Vision	<u>NIG</u>	<u>NIG</u>
Far Vision <u>with</u> <u>glasses</u>	<u>6/6</u>	<u>6/6</u>
Colour Vision	<u>NAP</u>	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group
7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD 12. HBsAg

I have personally examined Mr/Ms Pritanik Raj and have found his/her reports to be authentic.

Date: 11/11/2023 Signature of Medical Officer

Place: BHARUCH. **Dr. Devkumar Varma**
M.D.(Path), MBBS, CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg.No: G-11075

Medical Examination Certificate for employment at AIL

(To be issued by General Physician or Industrial Physician Only)

Name :	PILAYANIK ILAJ
Age / Sex :	27 / MALE

Present Medical Illness :	NIL
Past Medical History :	NIL
Dietary Habits :	MIX
Addiction History :	NIL
Family Medical History :	NIL
Occupational History :	NIL

Height :	169cm	Weight :	68.6 Kgs	BMI :	24.0 Kg/m ²
----------	-------	----------	----------	-------	------------------------

Temperature :	F	Pulse Rate :	87 /min
Blood Pressure :	110/70 mm Hg	SpO ₂ :	98 %

Trismus Test	THIRD FINGER
--------------	--------------


General Examination	NORMAL
Central Nervous System	NORMAL
Ear/Nose/Throat	NORMAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	NORMAL
Musculoskeletal System	NORMAL

	Right Eye	Left Eye
Far Vision ^{with} _{Glasses}	6/6	6/6
Near Vision	N/6	N/6
Colour vision	NAD	

The following investigation reports are verified and attached (Kindly tick)							
CBC+PS	6900	Bld group	B ⁺ VE	RBS	96.5	LFT	26/30
RFT	0.9	G6PD	12.0	HBsAg	NON-reactive	Ur R&M	Normal
PFT	Normal	PTA		ECG	WNL	CXR	Normal

I have personally examined Mr/Ms. Priyanka Singh 1295 and have verified his/her reports to be authentic.

Remarks (If any) :

Name of Physician	Dr. Devkumar Varma M.D.(Path), MBBS, CIH, OCCUPATIONAL HEALTH CONSULTANT Reg.No: G-11075
Stamp	
Date	11/12/2023
Place	Bhimilochi.


FORM NO. 33
(Prescribed under Rule 68-T and 102)


Certificate of Fitness of employment in hazardous process and operations
(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

- | | | | |
|----|--|---|------------------------------------|
| 1. | Serial number in the register of adult workers | : | |
| 2. | Name of the person examined | : | Priyanksinh Raj |
| 3. | Father's Name | : | Pradipsinh Raj |
| 4. | Sex | : | Male |
| 5. | Residence | : | Amod , Bharuch |
| 6. | Date of birth, if available | : | 11/10/1996 |
| 7. | Name & address of the factory | : | Aarti industries Ltd, Dahej |
| 8. | The worker is employed/proposed | : | |
| | (a) Hazardous process | : | |
| | (b) Dangerous operation | : | |

I certify that I have personally examined the above-named person whose identification marks are Mole on Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 27 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.


Signature or left-hand thumb
Impression of the person examined:


Signature of the Factory Medical Officer
Dr. Devkumar Varma
M.D.(Path), MBBS, CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg No: G-11075

Stamp of factory
Medical Officer with

Name of the Factory:



Patient Name : **MR. PRIYANK SINH RAJ** Lab ID : **988**
 Age/Sex : **27Y/Male** Registration Date : **11/12/2023 20:19**
 Attending Doctor : Report released on : **12/12/2023**
 Attending Doctor : **C/O SRH**



Test Done	Result	UNIT	Normal Value
HAEMATOLOGY			
CBC,ESR			
RBC PARAMETERS			
HB -(Haemoglobin)	14.2	gm%	13.0-17.0
Erythrocyte Count (RBC Count)	4.69	mill./c.mm	4.5-5.5
Packed Cell Volume (PCV)-Hematocrit	42.8	%	40.0-50.0
Mean Corpuscular Volume (MCV)	91.26	fL	80 - 96
Mean Corpuscular Hemoglobin (MCH)	30.28	pg	28 - 33
Mean Corpuscular Hb concentration (MCHC)	33.18	%	31 - 36
RDW-CV	13.8	%	11.7 - 14.4
WBC PARAMETERS			
Total Leukocyte Count (TLC/WBC)	6900	/c.mm	4000-10000
Differential Count of WBC			
Polymorphs Neutrophil	69	%	40-80
Lymphocytes	21	%	20-40
Eosinophils	08	%	1-6
Monocytes	02	%	2-10
Basophil	00	%	0-2
ABSOLUTE LEUKOCYTE COUNTS			
Absolute Neutrophil Count	4761.00	/c.mm	2000-7000
Absolute Lymphocyte Count	1449.00	/c.mm	1000-3000
Absolute Eosinophils Count	552.00	/c.mm	00-500
Absolute Monocyte Count	138.00	/c.mm	200-1000
Absolute Basophil Count	0.00	/c.mm	00-100
PLATELET PARAMETERS			
Platelet Count	321000	/c.mm	150000-450000
ESR	6	mm	1-7 9.0

Continue On Page - 2.



AKSHARAM

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PATH LAB

For us... Quality Matters..



+91 98249 64026



02642 355179



aksharampathlab@gmail.com



Patient Name : **MR. PRIYANK SINH RAJ** Lab ID : **988**
Age/Sex : **27Y/Male** Registration Date : **11/12/2023 20:19**
Attending Doctor : Report released on : **12/12/2023**
Attending Doctor : **C/O SRH**



Test Done	Result	UNIT	Normal V
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BIOCHEMISTRY

RANDAM BLOOD SUGAR	98.5	mg/dL	70-140
--------------------	------	-------	--------

HAEMATOLOGY

BLOOD GROUPING & RH TYPING

ABO GROUPING	"B"
Rh Typing	POSITIVE

Continue On Page - 3

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

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Reg. No. G-2489

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**AKSHARAM**

॥ अक्षरम् ॥

PATH LAB

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+91 98249 64026

02642 355179

aksharampathlab@gmail.com

Patient Name	: MR. PRIYANK SINH RAJ	Lab ID	: 988
Age/Sex	: 27Y/Male	Registration Date	: 11/12/2023 20:19
Attending Doctor	:	Report released on	: 12/12/2023
Attending Doctor	: C/O SRH		



Test Done	Result	UNIT	Normal V
-----------	--------	------	----------

BIOCHEMISTRY**RFT (RENAL FUNCTION TEST)**

Blood Urea	23.5	mg/dl	05 - 45
Serum Creatinine	0.9	mg/dl	0.5 - 1.5

Continue On Page - 4

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Patient Name : **MR. PRIYANK SINH RAJ** Lab ID : **988**
Age/Sex : **27Y/Male** Registration Date : **11/12/2023 20:19**
Attending Doctor : Report released on : **12/12/2023**
Attending Doctor : **C/O SRH**



Test Done	Result	UNIT	Normal Value
Serum SGPT(ALT)	26.5	IU/L	5 - 40 IU/L
Serum SGOT(AST)	30.8	IU/L	5 - 40 IU/L
Bilirubin (Total & Direct & Indirect)			
Total Billirubin	0.8	mg/dl	Adult: 0.1 - 1.2 mg/dl Infants: 1.2 - 12 mg/dl
Direct Billirubin	0.1	mg/dl	0 - 0.3 mg/dl
Indirect Billirubin	0.70	mg/dl	0.2 - 0.7 mg/dl
Alkaline Phosphatase	120.2	IU/L	Female : 64-306 IU/L Male : 80-306 IU/L Children : 180-1200 IU/L
Serum Uric Acid	5.2	mg/dl	MALE: 3.4-7.0 mg/dl FEMALE: 2.4-5.7 mg/dl

Continue On Page - 5



Patient Name : **MR. PRIYANK SINH RAJ** Lab ID : **988**
Age/Sex : **27Y/Male** Registration Date : **11/12/2023 20:19**
Attending Doctor : Report released on : **12/12/2023**
Attending Doctor : **C/O SRH**



Test Done	Result	UNIT	Normal Value
BIOCHEMISTRY			
G6PDH	12.0	µg Hb	6.6 - 17.2 µg Hb

Australia Antigen (HbsAg) **NON-REACTIVE**
PERIPHERAL SMEAR

*****END OF REPORT*****

**AKSHARAM**

॥ २०१२१२१॥

PATH LAB

For us... Quality Matters...

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Patient Name : **MR. PRIYANK SINH RAJ** Lab ID : **988**
Age/Sex : **27Y/Male** Registration Date : **11/12/2023 20:19**
Attending Doctor : Report released on : **12/12/2023**
Attending Doctor : **C/O SRH**

Test Done	Result	UNIT	Normal V
-----------	--------	------	----------

CLINICAL PATHOLOGY**URINE ROUTINE EXAMINATION**

Physical Examination			
Colour	PALE YELLOW		
Specific Gravity	1.010		
Chemical Examination			
PH	6.5		
Sugar	NIL		
Albumin	ABSENT		
Ketone Bodies	NIL		
Nitrite	NEGATIVE		
Leucocytes (WBC)	ABSENT	Leuco/ μ L	
Erythrocytes (RBC)	NEGATIVE	Ery/ μ L	
Microscopic Examination			
Erythrocytes	1-2		
Pus cells	0-1		
Epithelial Cells	2-3	/HPF	
Cast	ABSENT		
Crystals	ABSENT		
Other	NIL		

Continue On Page - 6

AKSHAY PATEL
B.Sc., DMLT
Director & Founder

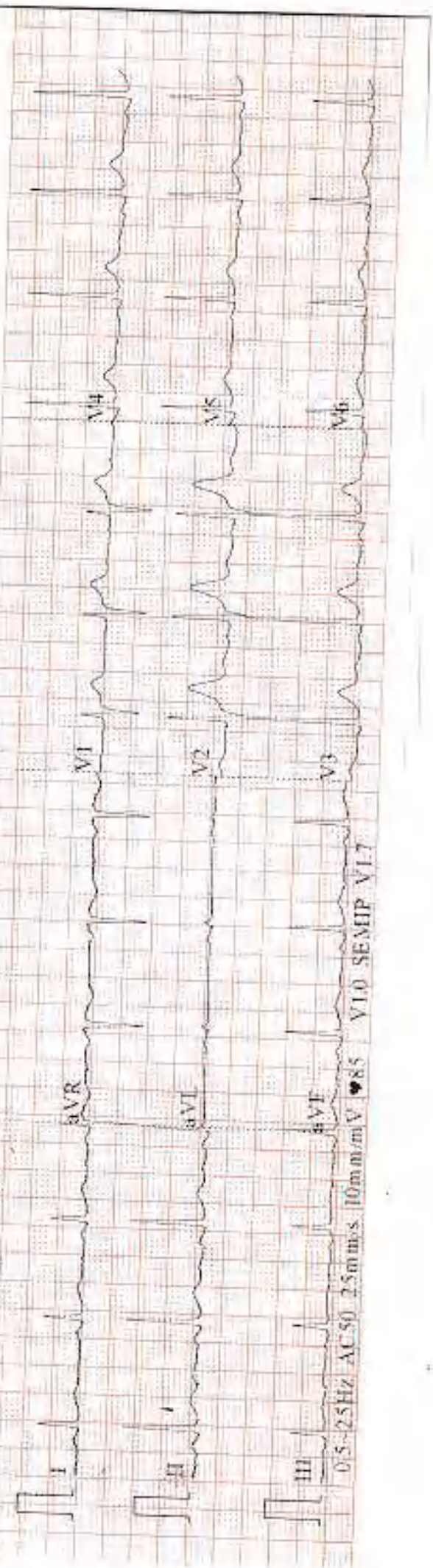
DR. DEY VARMA
M.D. Pathology
Reg. No. G-2489

DR. NITESH PATEL
M.D. Microbiology
Reg. No. G-24903

AKSHARAM PATHOLOGY & MICROBIOLOGY LABORATORY

H 101/102, First Floor, R K Costa, Behind Super Market, Station Rd, Bharuch, Gujarat 392001

ID: 448 11-12-2023 16:04:55



ID: 448

P1227 ANIK KADYUT

Male / mmHg

29 Years

cm

kg

Diagnosis Information:

Sinus Rhythm

***Normal ECG**

WNL

HR 62 bpm

P 97 ms

PR 133 ms

QRS 72 ms

QTc 383-389 ms

PQRST -48,60,63 °

RV5/SVI 1.312-0.698 mV

Report Confirmed by:

MATESHREE ENT. HOSPITAL

AUDIOGRAM



DR. GAURANG JOSHI
D.L.O.M.S. (ENT)
CIH

C-15, Capital Business Centre,
Opp. Central Bank of India,
Panch Batti, Bharuch-392 001.
Phone : (H) 269880

Code No. : _____

Date : 12/12/2023

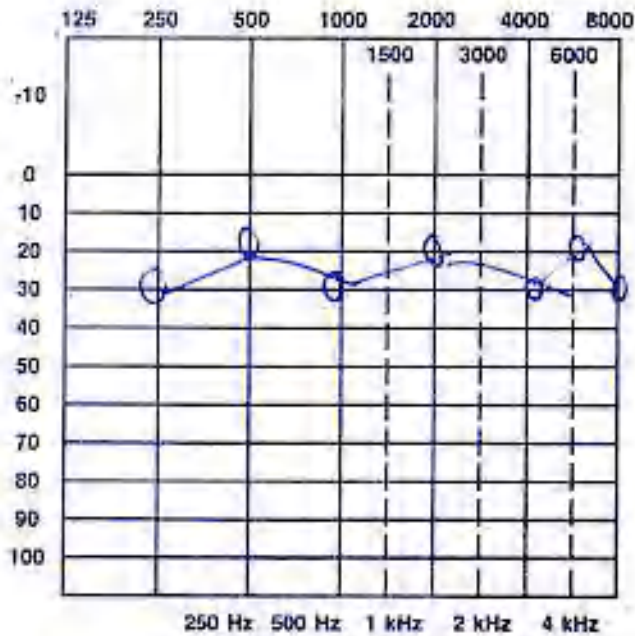
Audiogram of Paiyank Singh Rg

Age 27 Yrs. Sex male Ref. by _____

Occupation _____

Address _____

RIGHT

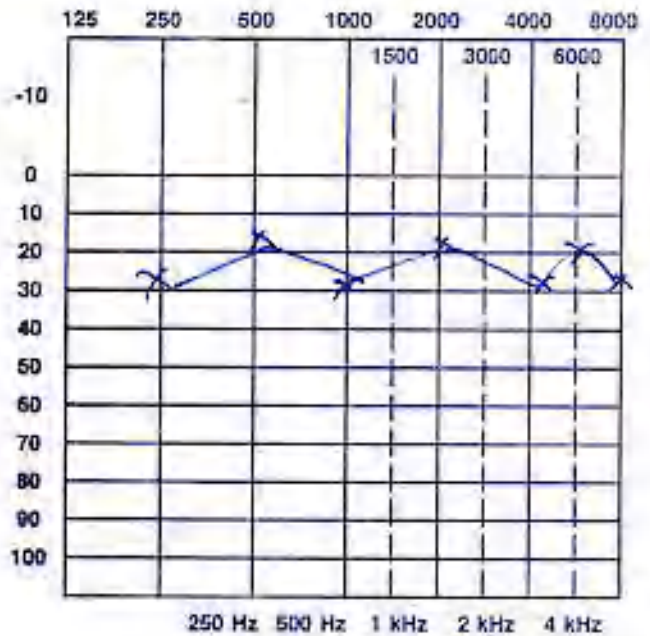


WEBER
Lateralized to

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	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	O	<	△		0 ↓
L	X	>	□		X ↓

LEFT



Clinical Findings _____

Comments BIL NORMAL

Dr. Gaurang Joshi
D.L.O.M.S. (ENT)
Regd G 1887
Mateshree ENT Hospital
C-15, Capital Business Center,
Panchbatti, BHARUCH-392001
Ph.: (H) 269880

DR. GAURANG JOSHI
D.L.O.M.S. (ENT) CIH



Medicoid

Medistar Occupational Health care Services
6,7,8 Mahajan Complex Sevashram Road
Pachbatti, Bharuch.

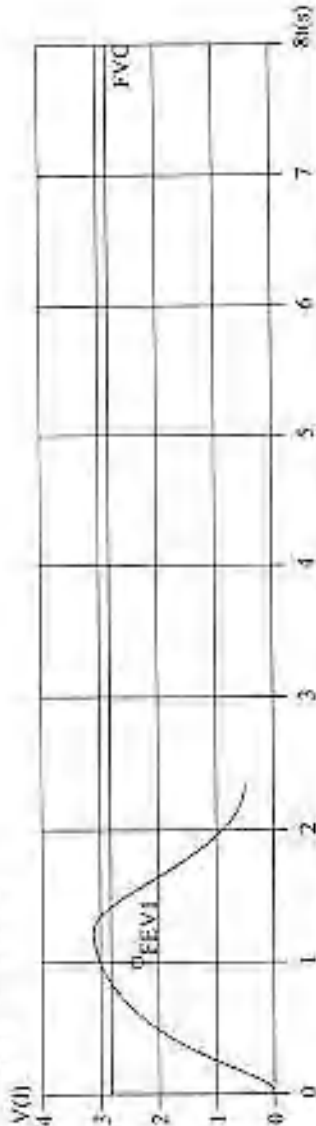
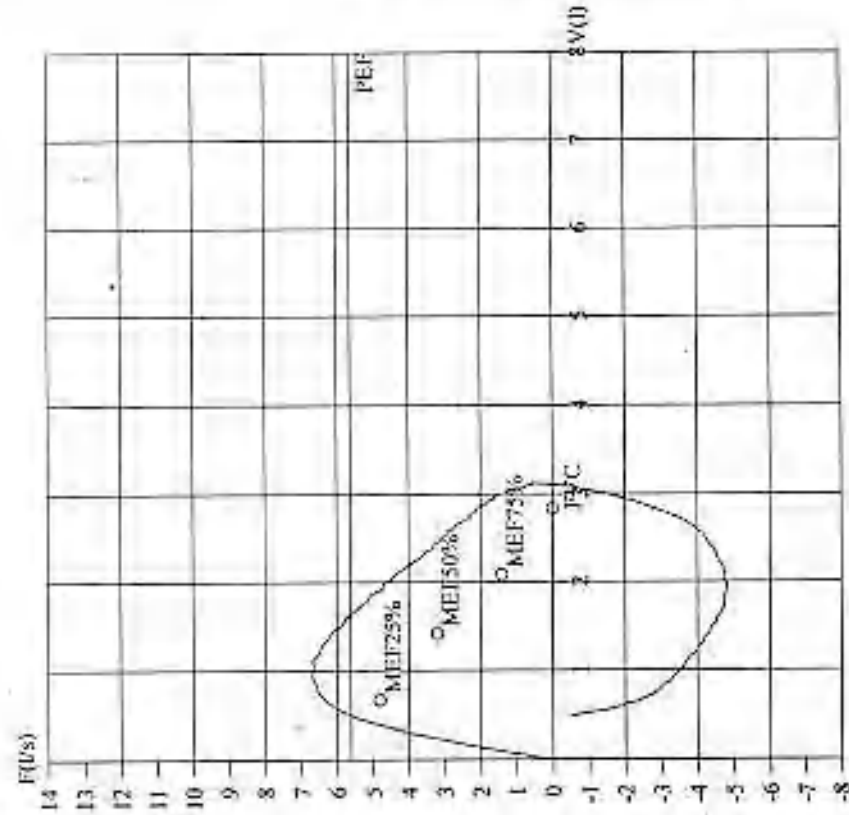
Last Name: **PRIYANKSINH RAI**
First Name: **878**
ID: **11-12-2023**
Date: **ERS 93**
Predified:

Date of Birth: **10-12-1996**
Sex: **Male**
Ethnic Corr.: **60%**
Description:
Comments:

Age: **27**
Weight (Kg): **68**
Height (cm): **169**
BSA (m²): **1.78**
Smoke: **ex**

TEST #1 - 11-12-2023

Forced Vital Capacity



Parameter (U)	Pred.	Pre	%Pred.
FVC(L)	2.82	3.51	117.4
FEV0.5(L)	---	2.16	---
FEV1(L)	2.4	3.19	132.9
FEV1/FVC%	82.35	96.37	117
PEF(L/s)	5.62	6.71	119.4
PIF(L/s)	---	4.81	---
PEF25-75%(L/s)	2.89	5.21	180.3
Vmax25%(L/s)	4.78	6.59	137.9
Vmax50%(L/s)	3.13	5.77	184.3
Vmax75%(L/s)	1.42	3.35	235.9
FET100%(s)	---	1.21	---
ELA (Years)	77	77	---

INTERPRETATION

Pre : Normal Spirometry (%FEV1/FVC>80%Pred,%FEV1/FVC and FVC>80%PredFVC)

Printed 11-12-2023
SPIRO EXCEL 1.1

Dr:

Dr. Devkumar Varma
M.D.(Path), MBBS,CIH,
OCCUPATIONAL HEALTH
CONSULTANT
Reg.No: G -11075





NAME : PRIYANKSINH RAJ
DATE : 11/12/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

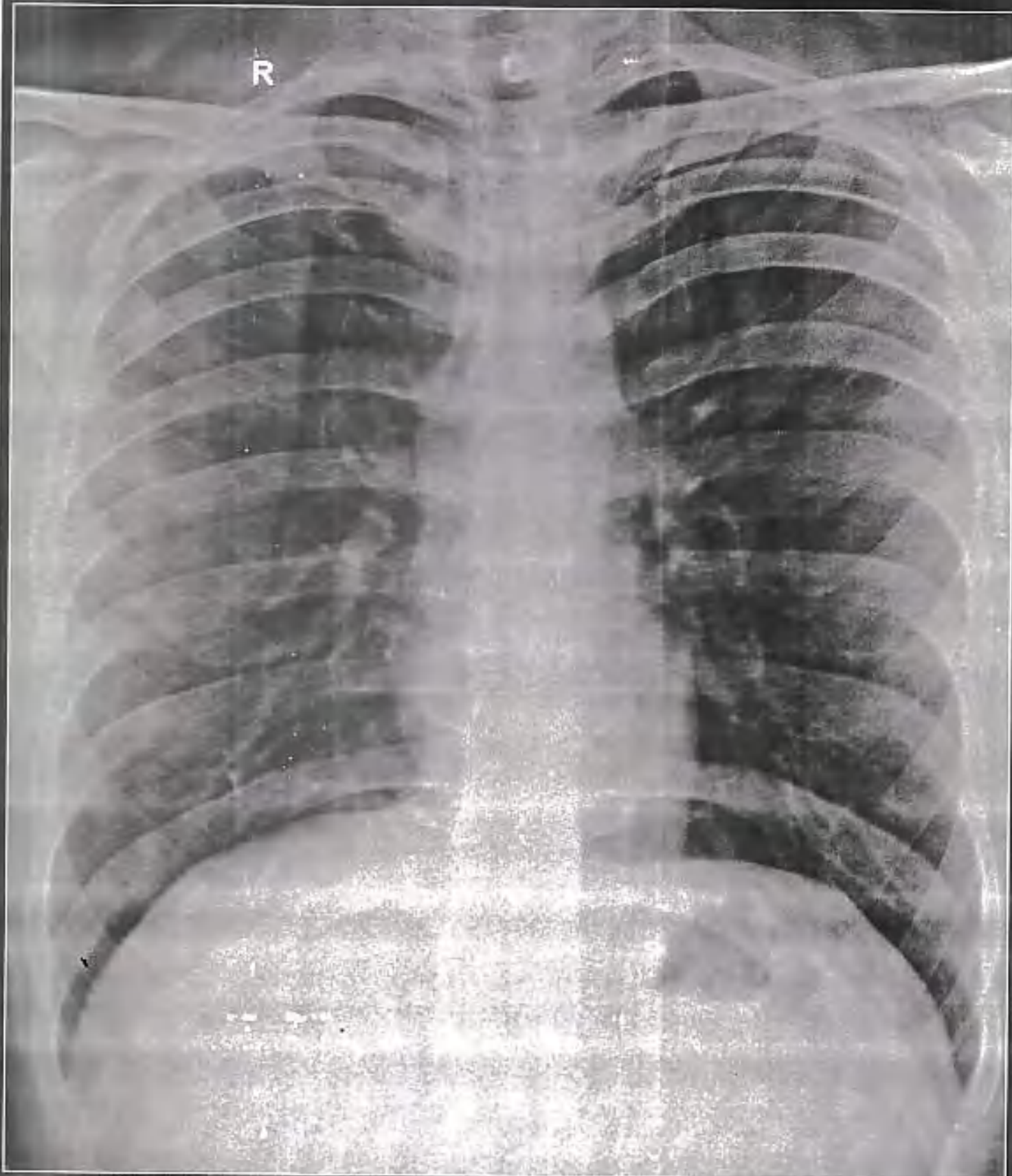
Comments: No abnormality detected.

THANKS FOR REFERENCE.

K. B. Vasava

DR. KRUTIKKUMAR VASAVA
CONSULTANT RADIOLOGIST





**PRIYANKSINH RAJ 111205 M CHEST PA 11-Dec-23 01:07 AM
MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH**



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar 382010
Phone : (079) 23222425
(079) 23222152
Fax : (079) 23232156
Website : www.gpcb.gov.in

Application For CTE after EC

File No : GPCB/ (PCB ID. - 58381)

CTE-62296

To,
M/s. Aarti Industries Limited,
, Plot No. Z/103/C, Vn, Dahej SEZ II.,
City :Lakhigam ,
Dist : Bharuch ,
Taluka : Vagra

Sub: **Consent to Establish (After obtaining Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981.**

Ref: (1) Your online application No. **276096** dated **10/03/2023**

(1) Environment Clearance issued by State Authority vide their letter no. EC23B021GJ111578 Dated 15/02/2023

Sir,

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants **Consent to Establish (After obtaining Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981** for manufacturing of products as mentioned into the Environment Clearance (EC) granted vide letter under reference no (2) above.

Consent To Establish Is Granted Subject To The Following Conditions: -

- 1) The validity period of this CTE shall be Seven Years from the issue of this order.
- 2) Applicant shall strictly comply with all conditions stipulated by competent authority in the order of Environment Clearance issued vide letter under reference No. : 2 above.
- 3) The applicant shall however , not without the prior concern of the Board. Bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the water Act - 1974, the Air - 1981 and the Environment (Protection) Act - 1986.



For and on behalf of
Gujarat Pollution Control Board

M. U. Patel
21/3/23
M.U.PATEL
ROH Head - Bharuch

- This order is issued to , **Plot No. Z/103/C, Vn, Dahej SEZ II., City :Lakhigam, Dist : Bharuch, Taluka : Vagra (58381)** for CTE amendment after obtaining EC.