

Ref: AIL/DHJ/NEO/ENV/2024-25/020

ID: 41201

Date: 13.11.2024

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

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

Reference:- 1) Environment Clearance letter no SEIAA/GUJ/EC/5(f)/173/2013 dated 05/07/2013
2) Environment Clearance amendment Letter No. SEIAA/GUJ/EC/5(f)/547/2019 dated 10/04/2019
3) Environment Clearance Extension and amendment Letter No. SEIAA/GUJ/EC/5(f)/1639/2020 dated 31/12/2020
4) Environment Clearance Expansion Letter No. SEIAA/GUJ/EC/5(f)/2630/2022 dated 07/11/2022
5) Environment Clearance Amendment Letter No. SEIAA/GUJ/EC/5(f)/255/2024 dated 29/02/2024

Respected Sir,

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

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

- 1) Environment Clearance letter no SEIAA/GUJ/EC/5(f)/173/2013 dated 05/07/2013
- 2) Environment Clearance Expansion Letter No. SEIAA/GUJ/EC/5(f)/2630/2022 dated 07/11/2022
- 3) Environment Clearance Amendment Letter No. SEIAA/GUJ/EC/5(f)/255/2024 dated 29/02/2024

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

Compliance report of Environmental Clearance FileSEIAA/GUJ/EC/5(f)/173/2013

Dated . 05/07/2013, April 2024 to April 2024

	Name of product / by-product	Capacity in MT/ Month	Compliance Status					Remarks
1	Ethylation and Propoylation Products	1500	Complied					Latest CCA copy is attached as Annexure-A . The unit is having a valid EC for same attached as Annexure-B
	2- Methyl 6- Ethyl Aniline		Production (MT)					
	2,6- Diethyl Aniline		Month	2-Methyl , 6-Ethyl Aniline (MEA)	2,6 - Diethyl Aniline (DEA)	3-Methyl 2-6 Diethyl Aniline (DEMA)	Total Ethylation and Propoylation Products	
	3- Methyl 2-6 Diethyl Aniline		April 2024	845.0	0.0	0.0	845.0	
	4-Methyl 2-6 Diethyl Aniline		May 2024	1270.0	0.0	0.0	1270.0	
	Isopropyl Aniline and 2, 6 Diisopropyl Aniline		June 2024	501.0	0.0	0.0	501.0	
	2- Methyl-6-Isopropyl Aniline		July 2024	529.0	0.0	0.0	529.0	
	4- Methyl 2,-6 Diisopropyl Aniline		August 2024	1350.0	0.0	0.0	1350.0	
			September 2024	1370.0	0.0	0.0	1370.0	
			Remarks:- All the six months production is under the consented quantity. Unit has not produced Isopropyl Aniline and 2, 6 Diisopropyl Aniline, 2- Methyl-6-Isopropyl Aniline and 4- Methyl 2,-6 Di-isopropyl Aniline during October-2023 to March-2024.					
2	Hydrogenated Products	500	NIL					Presently the unit is not doing the Hydrogenation process. The unit has converted partial EC to CCA. CCA for this group was not taken. CCA copy is attached
	Ortho Toluidine							
	Chloro Aniline							
	DiChloro Aniline							
	TriChloroAniline							
	Ortho Phenylene Diamine							

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.


	Phenylene Diamine			as Annexure-A.														
	3,4 Diamino Diphenyl Ether																	
	4,4 Diamino Diphenyl Ether																	
3	Chlorination Products		NIL															
	Monochloro Benzene	1250																
	Ortho Dichlorobenzene	800																
	Para Dichloro Benzene	1200																
By Products																		
4	Calcium Chloride (90% basis)* or HCL(30%)	2416.54 or 4844.22	—															
5	Al(OH) ₃ or Al ₂ O ₃	122.1 Or 79.65	<table border="1"> <thead> <tr> <th>Month</th> <th>Aluminum Hydroxide (Al(OH)₃) (MT)</th> </tr> </thead> <tbody> <tr> <td>April 2024</td> <td>198.13</td> </tr> <tr> <td>May 2024</td> <td>507.20</td> </tr> <tr> <td>June 2024</td> <td>331.81</td> </tr> <tr> <td>July 2024</td> <td>168.56</td> </tr> <tr> <td>August 2024</td> <td>373.81</td> </tr> <tr> <td>September 2024</td> <td>425.87</td> </tr> </tbody> </table>	Month	Aluminum Hydroxide (Al(OH) ₃) (MT)	April 2024	198.13	May 2024	507.20	June 2024	331.81	July 2024	168.56	August 2024	373.81	September 2024	425.87	Aluminum hydroxide Quantity revised to 12168 MT/Annum as per CCA No. AWH-116900 attached as Annexure-A.
Month	Aluminum Hydroxide (Al(OH) ₃) (MT)																	
April 2024	198.13																	
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September 2024	425.87																	
6	HF	19.5	0	EC not converted into CCA. CCA copy is attached as Annexure-A .														
7	H ₃ BO ₃	20.25	0															

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

Total	7785.94 MT/ Month or 10256.0 7 MT/ Month	Average production of 977.5 MT/Month in the compliance period (April 2024- September 2024).	Production is well within the limit. CCA converted to Ethylation and Propylation Group for 1500MT/ Month only.
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Sr. No.	EC conditions	Compliance status																																
A	Specific Condition																																	
1	<p>Fresh water requirement shall not exceed 614.6 KL/day and it shall be met by water supply of the Dahej SEZ. Metering of water shall be done and record of daily water consumption shall be maintained. No ground water shall be used for the project.</p> <p>As per Amended EC No. SEIAA/GUJ/EC/5(f)/547/2019, dated 10-04-2019 and Condition No. 1</p> <p>Total water requirement for the project shall not exceed 1186.5 KLD. Unit shall reuse 171.5 KLD of wastewater. Hence fresh water requirement shall not exceed 1186.5 KLD and it shall be met by the water supply system of the Dahej SEZ. Metering shall be done and records of daily water consumption shall be maintained. No ground water shall be used for the project. Prior permission</p>	Compiled.																																
<p>The tabular data below indicate that unit has not exceeded the prescribed limit for water consumption i.e. 1186.5 KLD. Metering facilities have been provided along with flowmeters and the records are maintained for water consumption. The data of the last six months of water consumption as per GIDC bill is given in the following table.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Particular</th> <th style="text-align: center;">Unit</th> <th style="text-align: center;">Apr 2024</th> <th style="text-align: center;">May 2024</th> <th style="text-align: center;">June 2024</th> <th style="text-align: center;">July 2024</th> <th style="text-align: center;">Aug 2024</th> <th style="text-align: center;">Sept 2024</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Fresh Water Consumptions</td> <td style="text-align: center;">Total KL/Month</td> <td style="text-align: center;">472.1</td> <td style="text-align: center;">522.9</td> <td style="text-align: center;">584.7</td> <td style="text-align: center;">594.1</td> <td style="text-align: center;">651.6</td> <td style="text-align: center;">730.5</td> </tr> <tr> <td style="text-align: center;">Recycled Water (RO Permeate + MEE Condensate) Consumptions</td> <td style="text-align: center;">Total KL/Month</td> <td style="text-align: center;">79.9</td> <td style="text-align: center;">93.0</td> <td style="text-align: center;">105.7</td> <td style="text-align: center;">91.0</td> <td style="text-align: center;">101.7</td> <td style="text-align: center;">109.8</td> </tr> </tbody> </table>		Particular	Unit	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024	Fresh Water Consumptions	Total KL/Month	472.1	522.9	584.7	594.1	651.6	730.5	Recycled Water (RO Permeate + MEE Condensate) Consumptions	Total KL/Month	79.9	93.0	105.7	91.0	101.7	109.8	<p>The water consumption is within the prescribed limit.</p> <p>The water consumption is within the prescribed limit. Water bill of the same is attached as Annexure-7</p>								
		Particular	Unit	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024																									
		Fresh Water Consumptions	Total KL/Month	472.1	522.9	584.7	594.1	651.6	730.5																									
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M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

	<p>from the concerned authority shall be obtained for withdrawal of water</p>	<p>In addition to this, the unit is also maintaining a logbook for the water consumption day-to-day basis. Photographs of water meter are provided below:</p> <div style="text-align: center;">  <p>water meters</p> </div>																							
<p>2</p>	<p>Industrial effluent generation shall not exceed 86.85 KL/day whereas domestic wastewater generation shall not exceed 7 KL/day.</p> <p>As per Amended EC No. SEIAA/GUJ/EC/5(f)/547/2019, dated 10-04-2019 and condition no 2.</p> <p>Industrial effluent generation shall not exceed 165.85 KLD whereas domestic wastewater generation shall not exceed 7 KLD.</p>	<p>Complied</p> <p>The Industrial effluent generation has not exceeded 165.85 KLD whereas domestic wastewater generation has not exceeded 7 KLD. The total average of last six month data has been given in the table below:</p> <table border="1" data-bbox="565 1165 1568 1612"> <thead> <tr> <th rowspan="2">MONTH</th> <th>Industrial Effluent generation</th> <th>Domestic Waste Water generation</th> </tr> <tr> <th>KLD</th> <th>KLD</th> </tr> </thead> <tbody> <tr> <td>April 2024</td> <td>99.50</td> <td>24.00</td> </tr> <tr> <td>May 2024</td> <td>114.30</td> <td>26.00</td> </tr> <tr> <td>June 2024</td> <td>133.20</td> <td>37.00</td> </tr> <tr> <td>July 2024</td> <td>130.90</td> <td>36.00</td> </tr> <tr> <td>August 2024</td> <td>128.70</td> <td>34.00</td> </tr> <tr> <td>September 2024</td> <td>143.9</td> <td>31.00</td> </tr> </tbody> </table> <p>The water generation data is within the limit.</p>	MONTH	Industrial Effluent generation	Domestic Waste Water generation	KLD	KLD	April 2024	99.50	24.00	May 2024	114.30	26.00	June 2024	133.20	37.00	July 2024	130.90	36.00	August 2024	128.70	34.00	September 2024	143.9	31.00
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M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

3	<p>Effluent to the tune of 25.85 KL/day (16.45 KL/day of process and washing effluent after solvent recovery by distillation, 2.4 KL/day of scrubber effluent and 7 KL/day of domestic wastewater) shall be treated in the ETP comprising of primary, secondary and tertiary treatment facilities.</p>	<p>Compiled.</p> <p>The unit is a Zero liquid discharge unit. The average daily generation of industrial effluent for the monitoring period is 5.45 m3/day. The effluent coming from various plants are collected and treated in ETP consists of :</p> <p>Primary Treatment: Stripper, 3 layer separation tank, Equalization tank, Flash Mixer (Coagulation), Flocculation Tank, Lamella Settler.</p> <p>Secondary Treatment: Aeration Feed Tank, Aeration Tank, Secondary Clarifier</p> <p>Tertiary Treatment: RO, MEE & ATFD.</p> <p>ZLD Flow diagram attached in Annexure :8</p> <p>And further treatment in RO followed by MEE & ATFD. The details of wastewater generation are given below.</p> <table border="1" data-bbox="574 774 1549 1841"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2024</th> <th>May 2024</th> <th>June 2024</th> <th>July 2024</th> <th>Aug 2024</th> <th>Sept 2024</th> </tr> </thead> <tbody> <tr> <td>ETP Treated water</td> <td>Total KLD</td> <td>2.3</td> <td>0.3</td> <td>5.8</td> <td>6.3</td> <td>0.6</td> <td>2.65</td> </tr> <tr> <td>Effluent from utilities (DM, Cooling B/W & Boiler B/W)</td> <td>Total KLD</td> <td>97.2</td> <td>114.1</td> <td>127.5</td> <td>124.6</td> <td>128.1</td> <td>143.5</td> </tr> <tr> <td>Feed to RO</td> <td>Total KLD</td> <td>99.5</td> <td>114.3</td> <td>133.2</td> <td>130.9</td> <td>128.7</td> <td>146.1</td> </tr> <tr> <td>RO Permeate</td> <td>Total KLD</td> <td>77.1</td> <td>89.4</td> <td>101.1</td> <td>92.8</td> <td>102.3</td> <td>107.9</td> </tr> <tr> <td>MEE Condensate</td> <td>Total KLD</td> <td>2.8</td> <td>3.5</td> <td>4.5</td> <td>1.3</td> <td>2.7</td> <td>2.2</td> </tr> <tr> <td>Total Water Recycled to Cooling Tower</td> <td>Total KLD</td> <td>79.9</td> <td>93.0</td> <td>105.7</td> <td>94.1</td> <td>105.0</td> <td>110.1</td> </tr> </tbody> </table>	Particular	Unit	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024	ETP Treated water	Total KLD	2.3	0.3	5.8	6.3	0.6	2.65	Effluent from utilities (DM, Cooling B/W & Boiler B/W)	Total KLD	97.2	114.1	127.5	124.6	128.1	143.5	Feed to RO	Total KLD	99.5	114.3	133.2	130.9	128.7	146.1	RO Permeate	Total KLD	77.1	89.4	101.1	92.8	102.3	107.9	MEE Condensate	Total KLD	2.8	3.5	4.5	1.3	2.7	2.2	Total Water Recycled to Cooling Tower	Total KLD	79.9	93.0	105.7	94.1	105.0	110.1
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RO Permeate	Total KLD	77.1	89.4	101.1	92.8	102.3	107.9																																																			
MEE Condensate	Total KLD	2.8	3.5	4.5	1.3	2.7	2.2																																																			
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M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

		Domestic Effluent is being treated in STP and treated water is being used for Gardening for that the unit has obtained CTO No. AWH-112729 dated 15/06/2021							
4	<p>EC Condition as per EC 2013.</p> <p>25.85 KL/day of treated effluent from ETP, 20 KL/day of D.M generation effluent, 13 KL/day of boiler blow-down and 35 KL/day of cooling tower blow-down; i.e total 93.85 KL/day of effluent shall be passed through RO system. RO permeate water to the tune of 70.35 KL/day shall be reused in cooling tower whereas RO reject water to the tune of 23.5 KL/day shall be evaporated completely with the help of MEE. Hence, there shall be no effluent discharge from the unit.</p> <p>As per Amended EC #SEIAA/GUJ/EC/5(f)/547/2019 dated 10-04-2019 and condition no. 4.</p> <p>25.85 KLD of treated effluent from ETP, 50 KLD of DM generation effluent, 62 KLD of boiler blow down and 35 KLD of cooling tower blowdown i.e. Total 165.85 KLD of effluent shall be passed through RO system (Cap. 150 KLD + 60 KLD) and MEE (Cap. 60 KLD). RO Permeate (129 KLD) and MEE condensate (42.5 KLD) water to the tune of 171.5 KLD shall be reused in the cooling tower. Hence there shall be no effluent discharge from the unit.</p>	Complied							
		Particular	Unit	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024
		Total Effluent Generation	Total KLD	99.50	114.34	133.23	130.91	128.68	146.15
		Total Water Recycled to Cooling Tower	Total KLD	79.9	93.0	105.7	94.1	105.0	110.1
Total Effluent Generation is combined of Utility and Process effluent.									
Unit has Installed									
Primary Treatment: Stripper, 3 layer separation tank, Equalization tank, Flash Mixer (Coagulation), Flocculation Tank, Lamella Settler									
Secondary Treatment: Aeration Feed Tank, Aeration Tank, Secondary Clarifier									
Tertiary Treatment: RO, MEE and ATFD. for Industrial Process Effluent.									
For Utility (CoolingTower/Boiler Blowdown and DM Reject) effluent installed multiple RO plants.									
SPRO: 200 KLD									
HP RO: 50 KLD									
All Permeate of RO and MEE condensate will be recycled back into the cooling tower and the unit has maintained the Zero liquid Discharge.									
ZLD Equipment RO, MEE & ATFD									
		SR. No	Description	Existing Installed Capacity (KLD)					
		1	Effluent Treatment Plant	60					
		2	RO- Process (Chemical)	60					
		3	Utility RO-1	150					
		4	Utility RO-2	550					
		5	MEE & ATFD	60					
		6	HP RO	50					
		7	SP RO	200					
		9	STP	60					

10	Stripper	60
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ETP-60 KLD



Stripper-60 KLD



MEE & ATFD-60KLD



**RO Process (Chemical)-60 KLD
& HP RO-50KLD**



SP RO-200KLD



**Utility RO-1 - 150 KLD
& Utility RO-2 - 550KLD**

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5	Condensate water from MEE shall be completely reused in cooling towers.	<p>Complied.</p> <table border="1" data-bbox="570 291 1560 506"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2024</th> <th>May 2024</th> <th>June 2024</th> <th>July 2024</th> <th>Aug 2024</th> <th>Sept 2024</th> </tr> </thead> <tbody> <tr> <td>Total Water Recycled to Cooling Tower</td> <td>Total KLD</td> <td>79.9</td> <td>93.0</td> <td>105.7</td> <td>94.1</td> <td>105.0</td> <td>110.1</td> </tr> </tbody> </table>	Particular	Unit	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024	Total Water Recycled to Cooling Tower	Total KLD	79.9	93.0	105.7	94.1	105.0	110.1
Particular	Unit	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024											
Total Water Recycled to Cooling Tower	Total KLD	79.9	93.0	105.7	94.1	105.0	110.1											
6	The unit shall provide adequate ETP consisting of primary, secondary and tertiary treatment facilities, RO plant and MEE for treatment and disposal of wastewater. These facilities shall be operated regularly and efficiently so as to achieve and maintain zero discharge status.	<p>Complied.</p> <p>Unit has Installed adequate ETP consisting of Primary Treatment: Stripper, 3 layer separation tank, Equalization tank, Flash Mixer (Coagulation), Flocculation Tank, Lamella Settler Secondary Treatment: Aeration Feed Tank, Aeration Tank, Secondary Clarifier Tertiary Treatment: RO, MEE and ATFD. for Industrial Process Effluent.</p> <p>For Utility (CoolingTower/Boiler Blowdown and DM Reject) effluent installed multiple RO plants.</p> <p>SPRO: 200 KLD HP RO: 50 KLD</p> <p>All Permeate of RO and MEE condensate will be recycled back into the cooling tower and the unit has maintained the Zero liquid Discharge.</p> <p>ZLD Flow diagram attach in Annexure :8</p> <p>ZLD details provided in condition no.4.</p>																
7	The unit shall not get GIDC underground drainage connection and strictly adhere to the zero discharge status.	<p>Complied.</p> <p>Being a ZLD unit, no effluent is sent to the GIDC drain. The certificate(undertaking) for disconnection of drainage connection issued by concerned authority on 18/04/2016 is attached as Annexure-3.</p> <p>Unit has obtained EC as EC no: SEIAA/GUJ/EC/5(f)/547/2019 dated 10-04-2019. Unit has obtained CTO AWH 112729 dated 15-06-2021 for ZLD.</p>																
8	The unit shall provide a metering facility, maintain records of effluent treated, reused and evaporated and furnish it to the GPCB from time to time.	<p>Complied.</p> <p>Magnetic flow meters are provided and records are maintained for effluent treated, reused and evaporated. The unit is submitting the data as a monthly patrak and along with a hard copy for the same in GPCB.</p> <table border="1" data-bbox="570 1703 1560 1879"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2024</th> <th>May 2024</th> <th>June 2024</th> <th>July 2024</th> <th>Aug 2024</th> <th>Sept 2024</th> </tr> </thead> <tbody> <tr> <td>Total Effluent</td> <td>Total KLD</td> <td>99.50</td> <td>114.34</td> <td>133.23</td> <td>130.91</td> <td>128.68</td> <td>146.15</td> </tr> </tbody> </table>	Particular	Unit	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024	Total Effluent	Total KLD	99.50	114.34	133.23	130.91	128.68	146.15
Particular	Unit	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024											
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M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

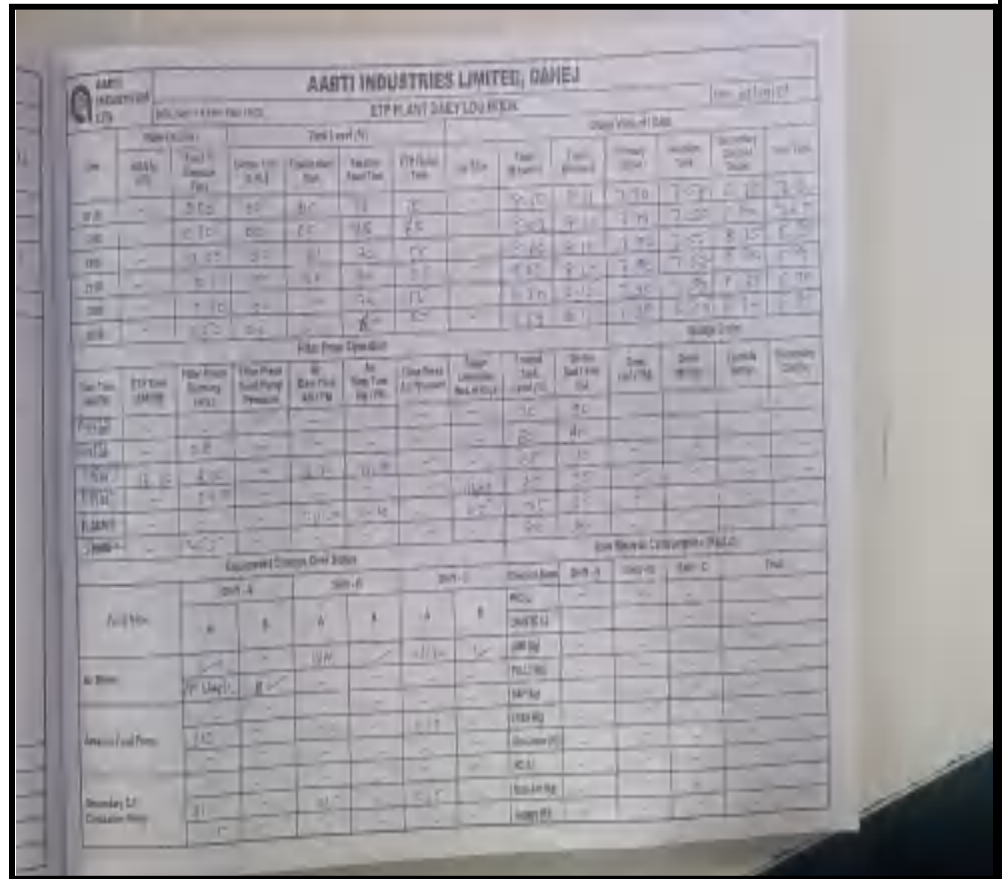
		Generation							
		Total Water Recycled to Cooling Tower	Total KLD	79.94	92.98	105.67	91.05	101.66	110.1

9 Proper logbook of ETP, RO plant and MEE operations and also showing chemical consumption, power consumption, quantities of effluent treated, reused, evaporated reused etc. Shall be maintained and furnished to the GPCB from time to time.

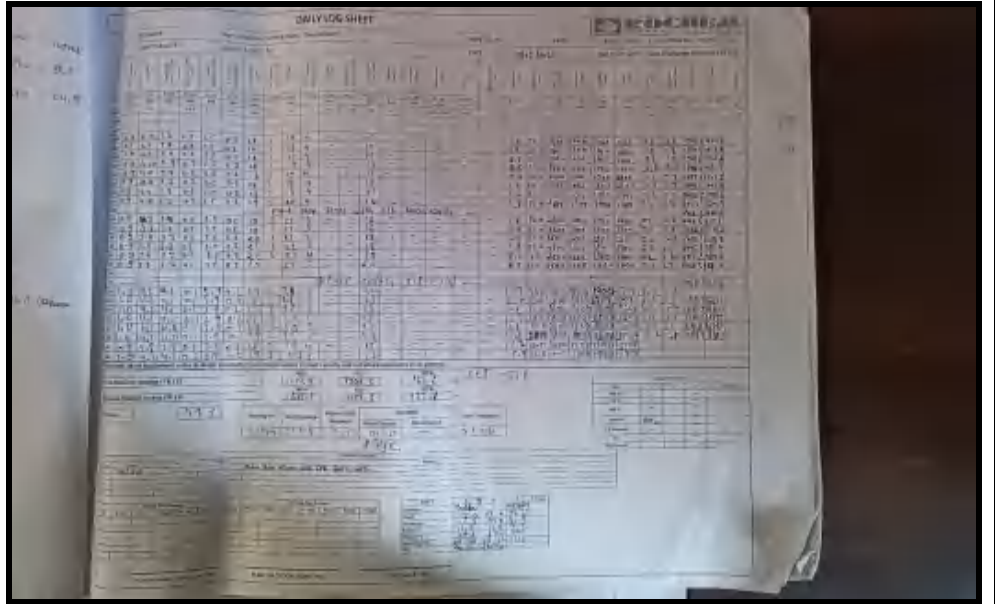
Complied.

The unit is maintaining the logbook of ETP, RO plant and MEE operations and chemical consumption, power consumption, quantities of effluent treated, reused, evaporated reused etc. and the same has been verified on the site. For that the unit is submitting the data as monthly patrak in GPCB XGN.

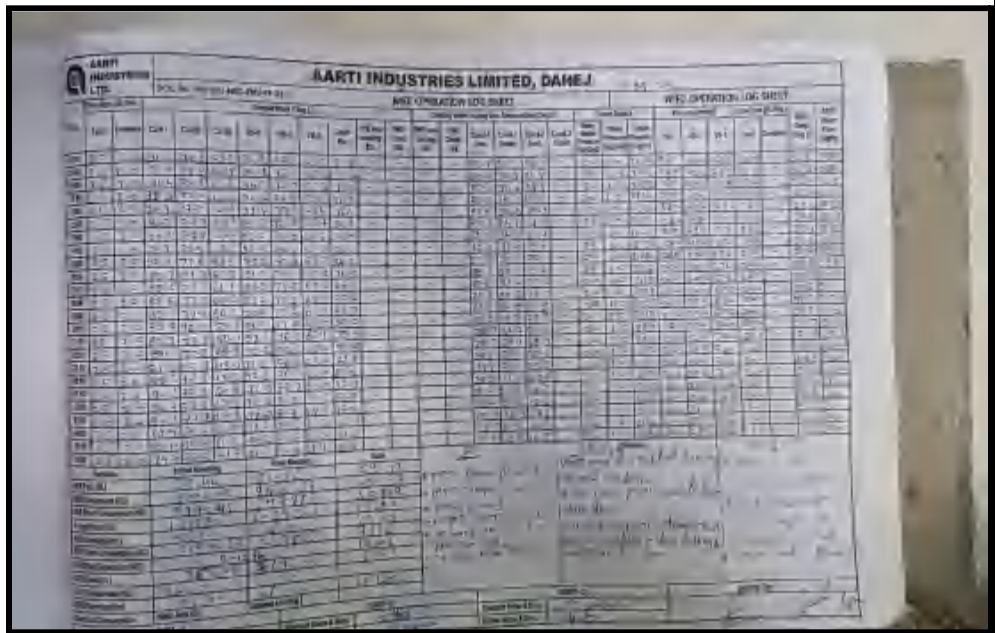
*Logbook Photos - ETP, RO & MEE.



ETP LOG BOOK



RO LOG BOOK



MEE LOG BOOK

10	Regular performance evaluation of the ETP shall be undertaken every year to check its adequacy, through credible institutes like L.D.College of Engineering,	<p>Complied.</p> <p>The unit has done the ETP efficiency study from Pacific School of Engineering, Surat. Certificate for the same is attached as Annexure-32</p>
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M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

	NPC or such other institutes of similar repute, and its records shall be maintained.																									
11	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 GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.	<p>Complied.</p> <p>The unit has agreed to join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.</p>																								
12	<p>EC Condition as per EC 2013.</p> <p>Natural gas to the tune of 2000 Kg/Hr, 187.5 Kg/Hr and 5 Kg/Hr shall be used as a fuel in boiler-1 (20 TPH), Thermic Fluid Heater and flaring respectively.</p> <p>As per Amended EC No. SEIAA/GUJ/EC/5(f)/547/2019, dated 10-04-2019 and Condition No. 12</p> <p>Natural gas to the tune of 187.5 Kg/Hr and 5 Kg/Hr shall be used as a fuel in Thermic Fluid Heater and Flaring respectively.</p>	<p>Complied</p> <p>The unit has used Natural gas as a fuel in Thermic Fluid Heater and Flaring respectively. The data of the last six months are given in the following table.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3" style="text-align: center;">Natural Gas Consumption</th> </tr> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">Total Consumption (kg/Month)</th> <th style="text-align: center;">Total Consumption Kg/Hr</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">April 2024</td> <td style="text-align: center;">29952.1</td> <td style="text-align: center;">31.2</td> </tr> <tr> <td style="text-align: center;">May 2024</td> <td style="text-align: center;">34683.1</td> <td style="text-align: center;">35</td> </tr> <tr> <td style="text-align: center;">June 2024</td> <td style="text-align: center;">21615.4</td> <td style="text-align: center;">22.5</td> </tr> <tr> <td style="text-align: center;">July 2024</td> <td style="text-align: center;">18979.8</td> <td style="text-align: center;">19.1</td> </tr> <tr> <td style="text-align: center;">August 2024</td> <td style="text-align: center;">36272</td> <td style="text-align: center;">36.6</td> </tr> <tr> <td style="text-align: center;">September 2024</td> <td style="text-align: center;">36713.5</td> <td style="text-align: center;">38.2</td> </tr> </tbody> </table> <p>In order to use clean fuel for all of our operations, for preparation of food in the canteen, Natural gas is being used.</p> <p>Natural gas parameters are within the prescribed limit</p>	Natural Gas Consumption			Month	Total Consumption (kg/Month)	Total Consumption Kg/Hr	April 2024	29952.1	31.2	May 2024	34683.1	35	June 2024	21615.4	22.5	July 2024	18979.8	19.1	August 2024	36272	36.6	September 2024	36713.5	38.2
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13	<p>EC Condition as per EC 2013.</p> <p>Diesel to the tune of 270 Lit/Hr shall be used as a fuel in each of the D.G.Set (1000 KVA x 2 no.).</p> <p>As per Amended EC No. SEIAA/GUJ/EC/5(f)/547/2019, dated 10-04-2019 and Condition No. 12</p>	<p>Complied.</p> <p>The unit has installed three DG sets(1000 KVA x 2 and 1500 KVA x 1) as per the CCA No. AWH-112729, dated 15/06/2021. Records of diesel consumption month-wise given as below:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">Total Diesel Consumption (Ltr/Month)</th> <th style="text-align: center;">Diesel Consumption (Ltr/Hr)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Limit</td> <td colspan="2" style="text-align: center;">As per EC 270 Lit/hr for each DG sets After, As per CCA 840 Lit/hr</td> </tr> </tbody> </table>	Month	Total Diesel Consumption (Ltr/Month)	Diesel Consumption (Ltr/Hr)	Limit	As per EC 270 Lit/hr for each DG sets After, As per CCA 840 Lit/hr																			
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M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

		<table border="1"> <tr> <td>April 2024</td> <td>210.2</td> <td>0.3</td> </tr> <tr> <td>May 2024</td> <td>286.6</td> <td>0.4</td> </tr> <tr> <td>June 2024</td> <td>210.2</td> <td>0.3</td> </tr> <tr> <td>July 2024</td> <td>1748.6</td> <td>2.4</td> </tr> <tr> <td>August 2024</td> <td>238.9</td> <td>0.3</td> </tr> <tr> <td>September 2024</td> <td>238.9</td> <td>0.3</td> </tr> </table> <p>Diesel consumption under the prescribed limit.</p>	April 2024	210.2	0.3	May 2024	286.6	0.4	June 2024	210.2	0.3	July 2024	1748.6	2.4	August 2024	238.9	0.3	September 2024	238.9	0.3										
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14	<p>EC Condition as per EC 2013. Coal to the tune of 3333.3 Kg/Hr, 200 Kg/Hr and 200 Kg/Hr. Shall be used as a fuel in Boiler-2 (20 TPH), CaCO3 Drier and Ethylation Furnace respectively.</p> <p>As per Amended EC No. SEIAA/GUJ/EC/5(f)/547/2019, dated 10-04-2019 and Condition No. 12</p> <p>Coal to the tune of 3333.3 Kg/Hr, 12917 Kg/Hr, 200 Kg/Hr and 200 Kg/Hr shall be used as a fuel in 20 TPH steam Boiler - 1, 67 TPH steam Boiler - 2, CaCO3 Dryer Vent and Ethylation Furnace respectively.</p>	<p>Complied</p> <p>Total Coal consumption in boilers with Average of 3.06 MT/hr received during April 2024 to April 2024. Presently the unit is not doing the Chlorination process. Hence there is no HCL generation. The unit has converted partial EC to CCA.</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Coal Consumption in 67 TPH & 14 TPH boiler (MT/Month)</th> <th>Coal Consumption for boiler (MT/day)</th> <th>Coal Consumption for boiler (MT/Hr)</th> </tr> </thead> <tbody> <tr> <td>April 2024</td> <td>1841.5</td> <td>61.4</td> <td>2.6</td> </tr> <tr> <td>May 2024</td> <td>2605</td> <td>84</td> <td>3.5</td> </tr> <tr> <td>June 2024</td> <td>3935</td> <td>131.2</td> <td>5.5</td> </tr> <tr> <td>July 2024</td> <td>4565</td> <td>147.3</td> <td>6.1</td> </tr> <tr> <td>August 2024</td> <td>5014</td> <td>161.7</td> <td>6.7</td> </tr> <tr> <td>September 2024</td> <td>4816.0</td> <td>160.5</td> <td>6.6</td> </tr> </tbody> </table> <p>All the parameters are within the prescribed limit.</p> <p>We have regularized the stack while renewal of CCA AWH-112729 dated 15.06.2021.</p>	Month	Coal Consumption in 67 TPH & 14 TPH boiler (MT/Month)	Coal Consumption for boiler (MT/day)	Coal Consumption for boiler (MT/Hr)	April 2024	1841.5	61.4	2.6	May 2024	2605	84	3.5	June 2024	3935	131.2	5.5	July 2024	4565	147.3	6.1	August 2024	5014	161.7	6.7	September 2024	4816.0	160.5	6.6
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15	<p>EC Condition as per EC 2013. ESP shall be provided for control of flue gas emission from the coal fired Boiler-2.</p> <p>Amended EC condition as per EC 2019. Adequate Electrostatic Precipitator - ESP as APCM shall be provided for control of flue gas emission from the coal fired Boilers (20 TPH and 67 TPH Boiler\</p>	<p>Complied.</p> <div style="border: 1px solid black; padding: 5px;"> <p>APCM systems have been installed for Boiler 67 TPH, 20 TPH such as ESP. Fly Ash being stored in a silo storage area.</p> </div>																												



3 stage ESP and 76 m stack attached to boiler



Silo installed for fly ash storage and dusting free truck loading



Automated Lime feeding system for controlling SOx commission.

16 Wet scrubbers shall be provided for control of flue gas emission from CaCO₃ Drier and Ethylation Furnace.

Complied.

Alkali scrubber has been provided for control of HCl gas emission from the Ethylation and Propylation process. Furnace has been converted into the above said scrubber through CCA No. AWH-112729 and dated 15/06/2021.

HCL emissions in the Ethylation and Propylation process are monitored by an approved NABL / GPCB/MOEF and CC authorized party (Unistar Environment and Research Labs Pvt. Ltd.). The results are given below table. Copy attached in the following table. See [Annexure-10](#).

Unistar NABL Certification No.: TC-7753

Month	HCl (mg/Nm ³)	GPCB Limit
April 2024	BDL	20 mg/Nm ³
May 2024	BDL	
June 2024	BDL	
July 2024	BDL	
August 2024	BDL	
September 2024	BDL	

Note: BDL-Below Detection Limit

The results are below the prescribed limit.

Unit has not obtained CC and A for CaCO₃ dryer as it is not a part of existing production for Ethylation and Propylation products.

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17	The process emission of HCL from CaCO ₃ reactor and HCL and Cl ₂ from Chlorination shall be controlled with the help of falling of Film Absorber followed by Alkali Scrubber.	<p>Complied.</p> <p>The unit has partially converted CCA No. AWH-112729 and dated 15/06/2021 only for ethylation and propylation products.</p> <p>The Emission details are mentioned in point no. 16.</p>																																																																																																																																																						
18	The air pollution control equipment / systems shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at vent / stack outlets.	<p>Complied.</p> <p>Flue gas emissions are monitored by an approved NABL / GPCB/MOEF and CC authorized party (Unistar Environment and Research Labs Pvt. Ltd.). The results are attached in the following table. Results for the same are attached as Annexure-23.</p> <p style="text-align: center;"><u>Unistar NABL Certification No.: TC-7753</u></p> <table border="1" data-bbox="561 751 1570 1896"> <thead> <tr> <th>Stack Name</th> <th>Parameter</th> <th>Permissible Limits</th> <th>Apr 2024</th> <th>May 2024</th> <th>June 2024</th> <th>July 2024</th> <th>Aug 2024</th> <th>Sept 2024</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Boiler-1 (14 TPH) & Thermic Fluid (Common Chimney)</td> <td>PM</td> <td>150 mg/Nm³</td> <td>22.0</td> <td>28.0</td> <td>25.0</td> <td>20.0</td> <td>18.0</td> <td>16</td> </tr> <tr> <td>SOx</td> <td>100 ppm</td> <td>16.0</td> <td>21.0</td> <td>20.0</td> <td>23.0</td> <td>21.0</td> <td>19</td> </tr> <tr> <td>NOx</td> <td>50 ppm</td> <td>31.0</td> <td>36.0</td> <td>35.0</td> <td>36.0</td> <td>34.0</td> <td>32</td> </tr> <tr> <td>VOC</td> <td>-</td> <td>2.5</td> <td>2.6</td> <td>2.4</td> <td>3.3</td> <td>2.8</td> <td>3.1</td> </tr> <tr> <td rowspan="4">Boiler-2 67 TPH.</td> <td>PM</td> <td>150 mg/Nm³</td> <td>74.0</td> <td>22.0</td> <td>21.0</td> <td>28.0</td> <td>25.0</td> <td>23</td> </tr> <tr> <td>SOx</td> <td>100 ppm</td> <td>66.0</td> <td>96.0</td> <td>76.0</td> <td>80.0</td> <td>80.0</td> <td>77</td> </tr> <tr> <td>NOx</td> <td>50 ppm</td> <td>38.0</td> <td>36.0</td> <td>35.0</td> <td>38.0</td> <td>38.0</td> <td>35</td> </tr> <tr> <td>VOC</td> <td>-</td> <td>3.1</td> <td>2.8</td> <td>2.6</td> <td>3.5</td> <td>3.1</td> <td>2.8</td> </tr> <tr> <td rowspan="4">DG Sets - 01</td> <td>PM</td> <td>150 mg/Nm³</td> <td>68.0</td> <td>75.0</td> <td>73.0</td> <td>72.0</td> <td>68.0</td> <td>71</td> </tr> <tr> <td>SOx</td> <td>100 ppm</td> <td>19.0</td> <td>23.0</td> <td>21.0</td> <td>18.0</td> <td>16.0</td> <td>18</td> </tr> <tr> <td>NOx</td> <td>50 ppm</td> <td>33.0</td> <td>36.0</td> <td>34.0</td> <td>37.0</td> <td>35.0</td> <td>37</td> </tr> <tr> <td>VOC</td> <td>-</td> <td>2.2</td> <td>3.1</td> <td>2.8</td> <td>3.2</td> <td>3.1</td> <td>2.6</td> </tr> <tr> <td rowspan="4">DG Sets - 02</td> <td>PM</td> <td>150 mg/Nm³</td> <td>73.0</td> <td>72.0</td> <td>70.0</td> <td>75.0</td> <td>72.0</td> <td>67</td> </tr> <tr> <td>SOx</td> <td>100 ppm</td> <td>21.0</td> <td>19.0</td> <td>17.0</td> <td>20.0</td> <td>19.0</td> <td>16</td> </tr> <tr> <td>NOx</td> <td>50 ppm</td> <td>35.0</td> <td>37.0</td> <td>35.0</td> <td>36.0</td> <td>34.0</td> <td>35</td> </tr> <tr> <td>VOC</td> <td>-</td> <td>2.6</td> <td>3.2</td> <td>3.0</td> <td>2.5</td> <td>2.3</td> <td>2.5</td> </tr> <tr> <td>DG Sets -</td> <td>PM</td> <td>150</td> <td>65.0</td> <td>74.0</td> <td>72.0</td> <td>74.0</td> <td>78.0</td> <td>75</td> </tr> </tbody> </table>	Stack Name	Parameter	Permissible Limits	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024	Boiler-1 (14 TPH) & Thermic Fluid (Common Chimney)	PM	150 mg/Nm ³	22.0	28.0	25.0	20.0	18.0	16	SOx	100 ppm	16.0	21.0	20.0	23.0	21.0	19	NOx	50 ppm	31.0	36.0	35.0	36.0	34.0	32	VOC	-	2.5	2.6	2.4	3.3	2.8	3.1	Boiler-2 67 TPH.	PM	150 mg/Nm ³	74.0	22.0	21.0	28.0	25.0	23	SOx	100 ppm	66.0	96.0	76.0	80.0	80.0	77	NOx	50 ppm	38.0	36.0	35.0	38.0	38.0	35	VOC	-	3.1	2.8	2.6	3.5	3.1	2.8	DG Sets - 01	PM	150 mg/Nm ³	68.0	75.0	73.0	72.0	68.0	71	SOx	100 ppm	19.0	23.0	21.0	18.0	16.0	18	NOx	50 ppm	33.0	36.0	34.0	37.0	35.0	37	VOC	-	2.2	3.1	2.8	3.2	3.1	2.6	DG Sets - 02	PM	150 mg/Nm ³	73.0	72.0	70.0	75.0	72.0	67	SOx	100 ppm	21.0	19.0	17.0	20.0	19.0	16	NOx	50 ppm	35.0	37.0	35.0	36.0	34.0	35	VOC	-	2.6	3.2	3.0	2.5	2.3	2.5	DG Sets -	PM	150	65.0	74.0	72.0	74.0	78.0	75
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		All Parameters are well within the limit.																														
19	Stacks of adequate height as per prevailing norms shall be provided for the flue gas and process emissions.	<p>Complied.</p> <p>Stacks of adequate height as per prevailing norms are provided for the flue gas and process emissions. Stack heights are given as below:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sr. No.</th> <th>Stack attached to</th> <th>Stack height (m)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Boiler-I (Capacity- 14 TPH)</td> <td rowspan="2">42 (Common)</td> </tr> <tr> <td>2</td> <td>Thermic Fluid Heater (Capacity- 20 Lac Kcal/Hr)</td> </tr> <tr> <td>3</td> <td>D G Set(Capacity- 1000 KVA)- 2 Nos.</td> <td>30</td> </tr> <tr> <td>4</td> <td>D G Set (Capacity- 1500 KVA)</td> <td>30</td> </tr> <tr> <td>5</td> <td>Boiler II (Capacity- 67 TPH)</td> <td>80</td> </tr> <tr> <td>6</td> <td>HCL Scrubber</td> <td>11</td> </tr> <tr> <td>7</td> <td>Reactor (NG consumption 5 kg/hr for flaring)</td> <td>18</td> </tr> </tbody> </table>								Sr. No.	Stack attached to	Stack height (m)	1	Boiler-I (Capacity- 14 TPH)	42 (Common)	2	Thermic Fluid Heater (Capacity- 20 Lac Kcal/Hr)	3	D G Set(Capacity- 1000 KVA)- 2 Nos.	30	4	D G Set (Capacity- 1500 KVA)	30	5	Boiler II (Capacity- 67 TPH)	80	6	HCL Scrubber	11	7	Reactor (NG consumption 5 kg/hr for flaring)	18
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20	The unit shall undertake measures of solvent recovery and adequate reflux condensers and chilled brine secondary condensers shall be provided for controlling escape of low boiling solvents. Solvent recovery shall not be less than 95 percent in any case.	<p>Complied.</p> <p>Unit is not using any type of solvent for the process.</p>																														
21	Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.	<p>Complied.</p> <p>All process vents are in a closed loop. The venting of process vapor is done through a flare system. We continuously monitor VOC by portable instruments in the plant area. We are also monitored by NABL/MOEF and CC / GPCB authorized parties (Unistar Environment and Research Labs Pvt. Ltd.) on a monthly basis for the same.</p>																														
22	The fugitive emissions in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from	<p>Complied.</p> <p>The fugitive emissions in the work zone environment are monitored by in house facilities as well as done by a third party consultant who has a MoEF and CC/GPCB/NABL approved laboratory. Results of fugitive emissions (Form-37) are attached as Annexure-12</p>																														

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

	time to time (e.g. Detectors of Industrial Safety and Health).	Unistar NABL Certification No.: TC-7753							
		MONTH	Workplace Report / Form 37 (mg/m³)	Limit (As given in Schedule-II as per Factories Act 1948) (mg/m³)					
		April 2024	2.92	10					
		May 2024	1.8						
		June 2024	1.72						
		July 2024	1.36						
		August 2024	1.43						
		September 2024	1.26						
		All the results are within the prescribed limit							
23	Regular monitoring of ground level contamination of SO ₂ , NO _x , HCL, Cl ₂ , PM ₁₀ and PM _{2.5} shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not be less the standards stipulated by GPCB. If any stage this levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.	<p>Complied.</p> <p>The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by a MoEF approved laboratory (Unistar Environment and Research Labs Pvt. Ltd.). The results of the analysis are provided in the table. Copy of the analysis report has been attached as Annexure-2</p> <p style="text-align: center;">Unistar NABL Certification No.: TC-7753</p>							
		Location	Parameters(microgram/m³)	Month					
				Apr 24	May 24	June 24	July 24	Aug 24	Sept 24
		Main Gate	PM ₁₀	72.63	75.83	63.83	71.50	70.63	74.5
			PM _{2.5}	24.00	24.83	19.83	23.60	23.38	24
			SO ₂	14.08	14.72	13.57	14.79	14.49	17
			NO ₂	20.48	19.83	17.15	19.82	18.29	21.85
		ETP	PM ₁₀	76.63	75.67	66.17	76.10	69.50	70.75
			PM _{2.5}	25.13	24.00	22.00	24.60	69.50	23
			SO ₂	18.95	14.97	14.97	15.53	15.59	19.12
			NO ₂	20.33	19.58	19.40	20.38	18.96	23.28
		Plant Office	PM ₁₀	71.00	70.17	64.17	69.20	68.75	69.25
			PM _{2.5}	21.88	20.67	20.50	21.00	22.50	21.87
			SO ₂	14.64	14.80	14.65	14.74	14.85	18.02
			NO ₂	20.14	19.82	19.95	19.96	20.34	22.65

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.


		(MT)Recycle rs						
		Limit (MT/Annu m)	0.12	20	20	20	0	0
		April 2024	0	0	0	0	0	0
		May 2024	0	0	0	0	0	0
		June 2024	0	0	0	0	0	0
		July 2024	0	0	0	0	0	0
		August 2024	0	0	0	0	0	0
		September 2024	0	0	0	0	0	0
		Total	0	0	0	0	0	0
		<p>All the disposed quantity are within the prescribed limit</p> <p>Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/Labeling-Form 8/ TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc. same as attached as Annexure-13.</p>						
25	The hazardous waste shall be stored in a separate designated hazardous waste facility with impervious bottom and leachate collection facility, before its disposal.	<p>Compiled.</p> <p>Dedicated hazardous waste storage is provided with a shed, impervious flooring and Leachate collection system.</p> <p>Photograph of same is attached below for your kind reference:</p>						

																
26	<p>ETP sludge shall be sent to the common TSDF. The unit shall obtain necessary membership of the nearest TSDF operator before commencing production activities.</p>	<p>Complied.</p> <p>Monthly sludge generation and disposal. Unit has valid membership of the TSDF(BEIL), SEPPL and RSPL. Copies of membership certificates are attached as Annexure-19.</p>														
27	<p>Residues from hydrogenation and Chlorination shall be sent to the Common Hazardous Waste Incineration (CHWI) facility. The unit shall obtain membership of the nearest CHWI operator before commencing production activities.</p>	<p>Complied.</p> <p>Presently the unit is not doing the Hydrogenation and Chlorination process, as the unit is in the first phase of production 'Ethylation and Propylation group'.</p>														
28	<p>Spent catalyst shall be sold only to the registered recyclers / regenerators.</p>	<p>Complied.</p> <p>Unit did not generate any Spent Catalyst During April 2024 to September 2024.</p>														
29	<p>Used oil shall be sold only to the registered recyclers.</p>	<p>Complied.</p> <p>Used oil is sold to authorized registered recyclers named M/s. S.B.Lubricants, Bharuch, the party who is registered/ authorized by CPCB and GPCB. CCA number of M/s. S.B.Lubricants and renewal details. CCA No. AWH-115718 vide dated 03.11.2021 and valid upto 29.06.2026.</p> <table border="1" data-bbox="675 1644 1455 1900"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Spent Waste Oil (5.1) (MT)</th> </tr> <tr> <th>Generation</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>April 2024</td> <td>1.93</td> <td>0.00</td> </tr> <tr> <td>May 2024</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>June 2024</td> <td>0.20</td> <td>2.40</td> </tr> </tbody> </table>	Month	Spent Waste Oil (5.1) (MT)		Generation	Disposal	April 2024	1.93	0.00	May 2024	0.00	0.00	June 2024	0.20	2.40
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M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

		<table border="1"> <tr> <td>July 2024</td> <td>0.50</td> <td>0.00</td> </tr> <tr> <td>August 2024</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>September 2024</td> <td>0.00</td> <td>0.00</td> </tr> </table> <p>All the disposed quantities are within the prescribed limit.</p>	July 2024	0.50	0.00	August 2024	0.00	0.00	September 2024	0.00	0.00														
July 2024	0.50	0.00																							
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30	HCL (30%) shall be converted to Calcium Chloride in onsite CaCl ₂ plant and HCL (30%) shall be sold to sister concerns M/s. Aarti Salt and Chemical located at Plot No. A/1-6 and 9, Phase-1, GIDC, Vapi, only during unforeseen circumstances.	<p>Complied.</p> <p>Presently the unit is not doing the Chlorination process and has not installed CaCl₂ plant. Hence there is no HCL generation.</p> <p>As per the latest EC received, the unit has not taken any CaCl₂ plant under EC SEIAA/GUJ/EC/5(f)/2630/2022.</p>																							
31	Other co-products / spent acids shall be sold only to authorized actual end consumers and records of sale shall be maintained and furnished to the GPCB from time to time.	<p>Complied.</p> <p>Unit has no generation of any spent Acid.</p> <p>Only Aluminum Hydroxide has been converted into hazardous waste through CCA number AWH-112729, dated 15/06/2021. Aluminum hydroxide is being sent to Sinhal brother and Pradip Overseas (Rule-9) for utilization as raw material in their process through manifest system and AIS-140 based GPS tracking. Also we have intimated GPCB for the same. Sample copy attached as Annexure-33</p>																							
32	The discarded containers / drums / liners / bags shall be either reused or sold only to registered recyclers after its decontamination.	<p>Complied.</p> <p>The discarded containers / drums / liners / bags are sent to registered recyclers after its decontamination.</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Discarded containers / drums / liners / bags</th> </tr> <tr> <th>Generation</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>April 2024</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>May 2024</td> <td>1.10</td> <td>0.99</td> </tr> <tr> <td>June 2024</td> <td>0.30</td> <td>0.67</td> </tr> <tr> <td>July 2024</td> <td>1.10</td> <td>1.09</td> </tr> <tr> <td>August 2024</td> <td>0.30</td> <td>0.00</td> </tr> <tr> <td>September 2024</td> <td>0.3</td> <td>0.62</td> </tr> </tbody> </table>	Month	Discarded containers / drums / liners / bags		Generation	Disposal	April 2024	0.00	0.00	May 2024	1.10	0.99	June 2024	0.30	0.67	July 2024	1.10	1.09	August 2024	0.30	0.00	September 2024	0.3	0.62
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33	The project management shall strictly comply with the provisions made in the factories Act, 1948 as well as Manufacture, Storage and Impact of Hazardous Chemical Rules, 1989 as amended in 2000 for handling	<p>Complied.</p> <p>The project management strictly complies with the provisions made in the factories Act, 1948 as well as Manufacture, Storage and Impact of Hazardous Chemical Rules, 1989 as amended in 2000 for handling of hazardous chemicals.</p>																							

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

	of hazardous chemicals.	
34	Necessary approvals from PESO and concerned Govt. Authorities shall be obtained before commissioning of the project.	Complied. Necessary from PESO and concerned government authorities approval has been taken. Certificate has been surrendered to PESO office for solvent is attached as Annexure-25 .
35	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of hazardous chemicals; especially solvents and chlorine.	Complied. All the hazardous chemicals are stored and handled through a closed loop system. At present the unit is not using chlorine as the unit has EC converted partially to CCA.
36	Proper ventilation shall be provided in the work area.	Complied. All processing work areas are fully ventilated. The production block is designed in a way that natural draft ventilation is there constantly as the process plant has 4 side open areas for smooth flow of fresh air.
37	Storage and use of hazardous chemicals shall be minimized to the extent possible.	Complied. We are maintaining a minimum inventory of hazardous chemicals.
38	Hazardous materials storage shall be at an isolated designated location, bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.	Complied. Separate Hazardous materials storage areas with dyke walls are provided. Photographs for your reference, 
		<u>Hazardous chemical stored at isolated places along with dykewall</u>

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39	Storage of hazardous chemicals shall be in multiple small capacity tanks / containers instead of one single large capacity tank to reduce the risk.	Complied. Multiple small tanks have been provided for storage of hazardous chemicals.
40	All the storage tanks shall be fitted with appropriate controls to avoid any leakage. Close handling system for chemicals shall be provided.	Complied. Adequate measures have been taken to avoid any leakages, all the chemicals are transferred to the closed handling system. Safety valves, Breathing valves and adequate control systems like the DCS system have been provided on storage of hazardous chemicals. Provided level switch Monitoring at DCS system, Level transmission, Tank dyke area with pit for the collection of spillage and Leakages.
41	Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised.	Complied. Sufficient Personal Protective Equipment are provided to all the workers like Safety goggles, safety shoes, helmet, dust mask, gas mask, hand gloves, etc. The unit is doing Regular training and supervision to ensure the proper usage of PPEs. A photograph for reference is attached below: 

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42	First Aid Box and required antidotes for the chemical used in the unit shall be made readily available in adequate quantity at all times.	<p>Complied.</p> <p>First Aid Box with required antidotes for the chemical used in the unit are made readily available in adequate quantity at all times. The Antidotes whose name is methylene blue for prevention from Cyanosis and Anti Snake Venom Serum for prevention from snake venom.</p>  <p style="text-align: center;">FIRST AID BOX</p>												
43	Necessary tie up with the nearby doctor qualified for occupational health shall be made to ensure that the medical treatment is given within the shortest possible time in case of any adverse conditions.	<p>Complied.</p> <p>Unit has tied up with nearby health care units/ doctors for seeking immediate medical attention in the case of emergency.</p> <p>Unit has also developed OHC with all medical facilities with factory medical officers and staff. The Unit has tie up with Sunshine Global Hospital, Healing Multispeciality Hospital and Baroda Heart Hospital for immediate medical attention in the case of emergency at the Bharuch District.</p> <p>Attachment is attached as Annexure-27.</p>												
44	Training shall be given to all workers on safety and health aspects of handling chemicals.	<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="647 1533 1482 1719" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="text-align: center;">Safety and Health aspects training to employees</th> </tr> <tr> <th style="text-align: center;">Duration</th> <th style="text-align: center;">No. of Employees Trained</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">April-24 to September-24</td> <td style="text-align: center;">233</td> </tr> </tbody> </table> <table border="1" data-bbox="647 1787 1482 1873" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Month of Medical surveillance</th> <th style="text-align: center;">Total no. of Employees</th> <th style="text-align: center;">Total no. of Contract</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Safety and Health aspects training to employees		Duration	No. of Employees Trained	April-24 to September-24	233	Month of Medical surveillance	Total no. of Employees	Total no. of Contract			
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M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

				Employees				
		April-24 to September-24	159	75				
45	Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Acts and Rules.	<p>Complied.</p> <p>Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act.</p> <p>Following check up has been carried out in periodical medical checkup.</p> <ul style="list-style-type: none"> - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers <p>Details of health surveillance of the employees and contract workers are given below and attached as Annexure-34.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Month of surveillance</th> <th>Total no. of Employees</th> </tr> </thead> <tbody> <tr> <td>April-24 to September-24</td> <td>EMP= 159, Contract=75</td> </tr> </tbody> </table>			Month of surveillance	Total no. of Employees	April-24 to September-24	EMP= 159, Contract=75
Month of surveillance	Total no. of Employees							
April-24 to September-24	EMP= 159, Contract=75							
46	The project management shall be prepare a detailed Disaster Management Plan (DMP) for the project as per the guidelines from Directorate of Industrial Safety and Health.	<p>Complied.</p> <p>Disaster Management Plan (DMP) for the project is Prepared as per the guidelines from Directorate of Industrial Safety and Health (DISH) and updated copy submitted on 15.03.2022. Received copy from DISH along with index is attached as Annexure-35.</p>						
47	All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act and Rules.	<p>Complied.</p> <p>Hazardous chemicals transported as per the Motor Vehicle Act and Rules. Copy of Checklist attached as Annexure-36</p>						
48	All transporting routes within the factory premise shall have paved roads to minimize splashes and spillages.	<p>Complied.</p> <p>All the roads are paved with RCC. Photograph for same is attached below:</p>						



49 The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. On all source of noise generation. The ambient noise level shall conform to the Environment (Protection) Act and Rules. Workplace noise level for workers shall be as per the Factories Act and Rules.

Complied.
 The noise levels in the plant conforms to the standards prescribed in the EP Act, 1986. Noise monitoring is carried out by a MoEF approved laboratory (Unistar Environment and Research Labs Pvt. Ltd.) Details of the noise levels at various locations are mentioned in the table below.
 Noise report is attached as [Annexure-21](#)



Location	GPCB LIMITS	April'24		May'24		Jun'24		July'24		August'24		September'24	
		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
Near Main Gate	Day @ 75 dB (A) Night @ 70 dB (A)	61.3	52.7	62.4	53.2	63.3	54.4	62.3	53.2	61.6	52.7	62.2	50.5
Near Material Gate		59.7	51.6	63.5	52.3	62.5	53.7	63.2	51.2	62.7	50.6	61.5	51.2
Near Boiler		71.2	54.7	72.4	55.3	71.2	56.6	72.2	55.4	71.2	54.5	70.3	61.3
Near ETP		68.8	57.2	69.2	60.2	68.7	61.4	69.5	56.2	68.6	55.7	69.1	56.2

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

		<table border="1"> <tr> <td>Near MEA Plant</td> <td>69.1</td> <td>58.3</td> <td>70.5</td> <td>61.2</td> <td>73.3</td> <td>63.1</td> <td>70.3</td> <td>59.2</td> <td>69.5</td> <td>58.3</td> <td>68.4</td> <td>59.6</td> </tr> <tr> <td>Near MEA-2 Project Area</td> <td>60.2</td> <td>56.2</td> <td>62.3</td> <td>52.3</td> <td>63.4</td> <td>53.2</td> <td>62.4</td> <td>50.2</td> <td>61.2</td> <td>51.4</td> <td>62.4</td> <td>52.5</td> </tr> </table> <p>All the parameters are within the prescribed limit.</p>	Near MEA Plant	69.1	58.3	70.5	61.2	73.3	63.1	70.3	59.2	69.5	58.3	68.4	59.6	Near MEA-2 Project Area	60.2	56.2	62.3	52.3	63.4	53.2	62.4	50.2	61.2	51.4	62.4	52.5
Near MEA Plant	69.1	58.3	70.5	61.2	73.3	63.1	70.3	59.2	69.5	58.3	68.4	59.6																
Near MEA-2 Project Area	60.2	56.2	62.3	52.3	63.4	53.2	62.4	50.2	61.2	51.4	62.4	52.5																
50	<p>The unit shall undertake the Cleaner Production Assessment study through the reputed institute / organization and shall form a CP team in the company. The recommendation thereof along with the compliance shall be furnished to the GPCB.</p>	<p>Complied.</p> <p>Unit is converted to closed pipe lines for caustic use in plants instead of manually handled. For cleaner production Ortho Toluidine is collected via stripper to direct storage tank instead of manual collection. Unit has provided zero liquid discharge (ZLD) instead of discharge to CETP for cleaner production.</p> <p>The Study has been conducted on a Cleaner Production by GPCB accredited schedule - I auditor. Certificate for the same is attached as Annexure-3.</p>																										
51	<p>The company shall undertake following waste minimization measures:</p> <p>A. Metering and control of quantities of active ingredients to minimize waste.</p> <p>B. Reuse of by-products from the process as raw materials or as raw materials substitutes in Other process.</p> <p>C. Use of automated and close filling to minimize spillages.</p> <p>D. Use of close feed system into batch reactors.</p> <p>E. Venting equipment through a vapour recovery system.</p> <p>F. Use of high pressure hoses for equipment cleaning to</p>	<p>A. Complied. Metering has been provided with active ingredients to minimize waste.</p> <p>B. Complied. The by-product generated by the unit (Al(OH)₃) is sent to the authorized party of Rule 9 (Pradip Overseas) where it is utilized in their process as raw material.</p> <p>C. Complied. Closed system is used for filling of materials to minimize spillage. DCS systems are provided for the process.</p> <p>D. Complied. "Close feed" system is used in batch reactors and continuous reactors.</p> <p>E. Complied. Venting equipment are connected to a recovery system like scrubber and condensers.</p> <p>F. Complied. High pressure hoses are used for equipment cleaning to reduce wastewater generation.</p> <p>G. Complied. Sweeping / mopping the floor instead of floor washing to avoid effluent generation.</p> <p>H. Complied. Regular preventive maintenance of pumps, agitators, blowers and mechanical seals of all equipment to avoid leakage, spillage etc.</p>																										

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	<p>reduce wastewater generation.</p> <p>G. Sweeping / mopping of floor instead of floor washing to avoid effluent generation.</p> <p>H. Regular preventive maintenance to avoid leakage, spillage etc.</p>	
<p>52</p>	<p>The unit shall have developed green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation at suitable open land on roadsides and other open areas within the GIDC / SEZ area or in near by locality / schools and submit an action plan of plantation for next three years to the GPCB.</p>	<p>Complied.</p> <p>Unit has developed a greenbelt within the premises as per the guidelines of CPCB. Photos for same are attached as below:</p> <div data-bbox="576 1026 1563 1585" data-label="Image"> </div> <p style="text-align: center;"><u>Main Gate Area</u></p>

		 <p data-bbox="938 793 1195 827"><u>Plant Boundary Area</u></p>  <p data-bbox="932 1461 1185 1495"><u>Plant Boundary Area</u></p>
53	Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	Complied. Low-angle sprinkler systems are provided for the green belt development within the premises. Photo for same is attached as per following:

		  <p style="text-align: center;"><u>Sprinkler systems</u></p>
54	<p>In the event of failure of any pollution control system adopted by the unit, the unit shall be safely close down and shall not be restarted until the desired efficiency of the control equipment has been achieved.</p>	<p>Complied</p> <p>In the event of failure of any pollution control system, the unit has been provided with one push stop procedure as well as DCS systems for safe shutdown.</p>

<p>55</p>	<p>A separate Environment Management Cell equipped with full fledged, laboratory facilities shall be set up to carry out the Environment Management and Monitoring functions.</p>	<p>Complied</p> <p>Unit has developed a Central laboratory equipped with equipment such as pH meter. TDS meter, COD meter. Glassware, gas chromatography system, oven, muffle furnace, etc. to carry out testing of routine parameters. Currently the parameters measured in-house are pH, COD, TDS, MLVSS and MLSS with a fully equipped laboratory.</p> <p>An experienced environmental engineer holding a BE (Environmental Engineering) degree has been deputed to monitor the environmental management systems along with a supporting zonal team of 4 Environmental Engineers and a Manager. A centralized environment cell stationed at the Corporate office headed by a Vice President under a team of Chief Manager, Senior Manager and 4 engineers who drives and monitors environment policy and performance.</p> <p>Structure of environment management cell is attached below :</p> <div data-bbox="568 745 1550 1627" data-label="Diagram"> <pre> graph TD CTSO[Chief Technical & Sustainability officer] --> DH[Division Head] CTSO --> CESH[Corporate Environment & Sustainability Head] DH --> ETPM[ETP Manager] ETPM --> ZETP[Zone ETP Team] ZETP --- SIC[Shift In-charge] ZETP --- OP[Operators] CESH --> EM[Environment Manager] EM --> ZENT[Zone Environment Team] ZENT --- ENG[Engineers] </pre> </div> <p style="text-align: center;"><u>Structure of environment management cell</u></p>
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M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

56	The funds earmarked for environmental protection measures shall be maintained in a separate account and there shall not be any diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards shall be reported.	Complied.
57	During material transfer spillage shall be avoided and garland drain to be constructed to avoid mixing of accidental spillage with domestic wastewater and stormwater.	<p>Complied.</p> <p>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 and stormwater.</p> <p>For the transfer of effluent to ETP, dedicated pits with automated pumps are present to prevent overflow.</p> <p>Photo of dyke wall is attached as per following:</p>  <p style="text-align: center;"><u>Dyke Wall</u></p>
58	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	<p>Complied.</p> <p>PCC flooring has been provided for work areas, chemical storage areas and chemical handling areas to minimize soil contamination. Photographs have been attached for your reference.</p>

																										
59	<p>Leakage from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.</p>	<p>Complied.</p> <p>Preventive maintenance program is scheduled for minimal leakages from pipes and pumps.</p>																								
60	<p>EC condition as per EC 2013. The company shall carry out socio-economic developmental / community welfare activities in consultation with the District Development Officer / District collector.</p> <p>Amended EC condition as per EC 2019. Unit shall comply provisions of MoEFCC's O.M. No. 22-65/2017-IA.III dated 01/05/2018 regarding Corporate Environment Responsibility (CER). Fund allocation of Corporate Environment Responsibility (CER) shall be made as per the said OM dated 01/05/2018 for various activities therein. Item-wise details along with time bound action plan shall be prepared and submitted to the concerned authorities.</p>	<p>Complied.</p> <p>Our unit has provided funds for socio-economic development as well as government development.</p> <table border="1" data-bbox="565 1041 1568 1894"> <thead> <tr> <th data-bbox="565 1041 898 1087">Name of Associated NGO</th> <th data-bbox="898 1041 1230 1087">Nature of Work</th> <th data-bbox="1230 1041 1568 1087">Amount (In Lacs.)</th> </tr> </thead> <tbody> <tr> <td data-bbox="565 1087 898 1255">Jan Seva & Charitable Trust</td> <td data-bbox="898 1087 1230 1255">Grocery, Uniform, Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel</td> <td data-bbox="1230 1087 1568 1255">5.15</td> </tr> <tr> <td data-bbox="565 1255 898 1339">Samarth Engineering & Construction</td> <td data-bbox="898 1255 1230 1339">Garden Development @ Luwara Village</td> <td data-bbox="1230 1255 1568 1339">12</td> </tr> <tr> <td data-bbox="565 1339 898 1423">Samarth Engineering & Construction</td> <td data-bbox="898 1339 1230 1423">Garden Development @ Luwara Village</td> <td data-bbox="1230 1339 1568 1423">0.3</td> </tr> <tr> <td data-bbox="565 1423 898 1549">Gram Vikas Trust</td> <td data-bbox="898 1423 1230 1549">Donation for Vidya Sarthi Project for the Month of March'24</td> <td data-bbox="1230 1423 1568 1549">2.5</td> </tr> <tr> <td data-bbox="565 1549 898 1675">Gram Vikas Trust</td> <td data-bbox="898 1549 1230 1675">Donation for Vidya Sarthi Project for the Month of April'24</td> <td data-bbox="1230 1549 1568 1675">2.5</td> </tr> <tr> <td data-bbox="565 1675 898 1801">Gram Vikas Trust</td> <td data-bbox="898 1675 1230 1801">Donation for Vidya Sarthi Project for the Month of June'24</td> <td data-bbox="1230 1675 1568 1801">2.5</td> </tr> <tr> <td data-bbox="565 1801 898 1894">Gram Vikas Trust</td> <td data-bbox="898 1801 1230 1894">Donation for Vidya Sarthi Project</td> <td data-bbox="1230 1801 1568 1894">2.5</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (In Lacs.)	Jan Seva & Charitable Trust	Grocery, Uniform, Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel	5.15	Samarth Engineering & Construction	Garden Development @ Luwara Village	12	Samarth Engineering & Construction	Garden Development @ Luwara Village	0.3	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of March'24	2.5	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of April'24	2.5	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of June'24	2.5	Gram Vikas Trust	Donation for Vidya Sarthi Project	2.5
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		Gram Vikas Trust	Donation for Aarti Play group school at village Dahej & Mira nagar Ankleshwar	4.65
		Gram Vikas Trust	Donation for Vidya Sarthi Project	2.5
		Total		34.6
61	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the EIA report.	<p>Complied.</p> <p>Unit takes necessary action to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the EIA report.</p>		
62	The project proponent shall also comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other component authority for the purpose of the environmental protection and management.	Noted by the unit and will be Complied.		
63	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.	Noted. We will take prior permission for any expansion or modification.		
64	The project authority shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	<p>Complied.</p> <p>Adequate funds have been allotted for implementing the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein.</p> <p>Total Invested Amount for these following implements;- 3.50 Cr.</p> <ul style="list-style-type: none"> ● MEE condensate to be diverted from SPRO input to Aeration feed tank/Equalization tank of ETP input with cooling arrangement and Stripper bottom to equalization tank cooling arrangement ● Installation of Gate valves at material gate in storm water discharge trench and routing to ETP equalization tank and storm water holding pit to be installed with sensor and camera monitoring ● Installation of sodium hypochlorite dosing system in outlet of STP. ● To install MBBR plant for Sewage and canteen waste water treatment. ● Digital green board requirement outside of main gate. ● Rain Water Harvesting system. ● Ambient air monitoring station height to be increased up to 3 meters as per guideline. ● Taken MOC for installing ATFD for solidification of Al(OH)₃. ● Separate tank for MEE condensate utilization. 		

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		<ul style="list-style-type: none"> • 4500 nos. tree plantation opposite to M/s. Tatva chintan plant as a CER activity. • Three layer separation tank at process plant for minimization of effluent.
65	<p>The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with GPCB and may also 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 newspaper that are widely circulated in the region, one of which shall be in the Gujarati languages 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.</p> <p>Due to oversight, the advertisement of EC was not published within the stipulated time period. We deeply regret not publishing the advertisement of EC within the stipulated time period.</p>
66	<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 calender year.</p>	<p>Complied.</p> <p>Last compliance report was submitted on 25.05.2024 for the period of October-2023 to March-2024 to SPCB & MoEF&CC.</p> <p>Copy of the same is attached herewith as Annexure-30.</p>
67	<p>EC condition as per EC 2013. The project authorities shall also adhere to the stipulation made by the Gujarat Pollution Control Board.</p> <p>Amended EC condition as per EC 2019. The project proponent must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government and/or any other statutory authority.</p>	<p>Noted.</p> <p>Our unit is adhering to the stipulation made by the Gujarat Pollution Control Board. CC and A compliance report is attached as Annexure-35.</p>



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68	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted by the unit and it is complied. The date of start of the project is 01/01/2014 by concerned authority LOA Copy Received from SEZ:- 14/03/2012. Attach Copy LOA Copy attached as Annexure-36 .
69	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
70	The company in a time bound manner shall implement these conditions. The SEIAA reserves the rights to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act,1974, Air (Prevention and 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 all the rules and regulations prescribed from time to time.
71	This environmental clearance is valid for five years from the date of issue.	Noted, The Environment Clearance No. SEIAA/GUJ/EC/5(f)/173/2013; Dated: 05/07/2013 is valid for five year from the date of issue. Unit has obtained EC extension No.SEIAA/GUJ/EC/5(f)/1639/2020 dated 31 Dec 2020. Copy is attached as Annexure-B .
72	Any appeal against this environmental clearance shall lie with the National	Noted.

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	Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act,2010.	
<p>Amended EC vide File No. SEIAA/GUJ/EC/5(f)/547/2019 dated 10/04/2019 condition as per EC 2019. Additional conditions under Environment Clearance for period April-2024 to September-2024</p>		
1	Unit shall remove existing natural gas based 20 TPH steam Boiler.	<p>Complied</p> <p>Unit has removed 20 TPH Boiler. The same is incorporated in CCA AWH-112729 dated 15/05/2021.</p>
2	There shall be no change in product profile as prescribed in the earlier Environmental Clearance dated 05/07/2013.	<p>Complied</p> <p>Unit has not been adopted for any change in product profile as prescribed in the earlier Environmental Clearance dated 05/07/2013.</p> <p>The same can be referred to in the CCA no. AWH-112729 dated 15/06/2021.</p>
3	Unit shall take all precautionary measures during transfer of steam to their sister concern units namely M/s. Aarti Industries Ltd. (Unit II) located at Plot No. Z/103/H and M/s. Aarti Industries Ltd. (Unit III) located at Z/111/B.	<p>Complied.</p> <p>Unit has taken all safety precautionary measures during transfer of steam to M/s. Aarti Industries Ltd. (Unit II) located at Plot No. Z/103/H and M/s. Aarti Industries Ltd. (Unit III) located at Z/111/B.</p> <p>The unit has ensured the pipe laying above a sturdy pipe rack, pipes are insulated with aluminum cladding, flangeless IBR welding joints are employed to ensure highest level of safety.</p>
4	Unit shall obtain necessary permissions, if any, from the concerned authority regarding laying the piping network for steam supply.	<p>Complied</p> <p>Unit has taken the necessary permission from the concerned authority. (SEZ/GIDC). Annexure-37.</p>
5	Sulfur and ash content of the fuel to be used shall be analyzed and its record shall be maintained.	<p>Complied</p> <p>Unit will analyze and maintain the records. Report of Sulphur and Ash Content of the fuel is attached as Annexure-38 and it is recorded regularly.</p>
6	A long term study of radioactivity and heavy metals contents on coal/lignite to be used shall	<p>Noted for compliance.</p> <p>Unit has studied the heavy metal contents on coal/lignite. The attachment is as Annexure-38 for your reference.</p>

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	<p>be carried out through a reputed institute and results thereof analyzed regularly and reported along with monitoring reports. Thereafter mechanisms for an in-built continuous monitoring for radioactivity and heavy metals in coal/lignite and fly ash n(including bottom ash) shall be put in place.</p>	
<p>7</p>	<p>A flue gas stack of 80 m height shall be provided with an online monitoring system to proposed steam boiler. Mercury emission from stacks shall also be monitored on a periodic basis. However, unit shall comply with the specific condition no. 13 above regarding the height of the Boiler stack.</p>	<p>Complied</p> <p>Height of the Stack is 80m and an online monitoring system is provided. Photos of Stack and CEMS are attached as per following:</p> <div style="display: flex; justify-content: space-around;">   </div>
<p>8</p>	<p>High efficiency Electrostatic Precipitator (ESP) with efficiency not less than 99.9% shall be installed for control of flue gas emission from the proposed boilers. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plant DCS is such a way that if emissions from</p>	<p>Complied</p> <p>Three stages ESP is installed and It is connected to DCS. Flue gas monitoring is done on a monthly basis by a NABL approved third party. Reports for the same are attached as Annexure-23.</p> <p>Also, we have concluded ESP efficiency study from GPCB accredited Schedule-I auditor, Pacific School of Engineering, Surat. Certificate for the same is attached as Annexure-3.</p>

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	<p>ESP exceeds the specified standard prescribed in the Environment (Protection) Rules, 1986 as amended from time to time, utilization of boiler capacity shall reduce so that flue gas emission from the stack meets with the specified standards or reduce so that flue gas emission from the stack meets with the specified standards or boiler shall shut down totally.</p>	
9	<p>Third party monitoring of the functioning of the ESP along with its efficiency shall be carried out once in a year through a reputed institute/organization.</p>	<p>Complied</p> <p>Unit has initiated third party monitoring for the efficiency of ESP. The report for the same is attached as Annexure-4.</p>
10	<p>Limestone injection technology shall be adopted to control SO2 and it shall be ensured that SO2 levels in the ambient air do not exceed the prescribed standards.</p>	<p>Complied</p> <p>Lime addition system provision has been provided in the boiler to control the SO2 level. The results of stack monitoring attached as Annexure-23. indicates that the system is working properly and SO2 emission is within the limits.</p> <p>Photographs of the lime addition system are attached for your reference.</p>

		 <p style="text-align: center;"><u>Lime dosing system for SOX emissions control</u></p>
11	<p>The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.</p>	<p>Complied Regular preventive maintenance of mechanical and electrical parts of ESPs and have assigned responsibility of preventive maintenance to the senior officer of the company. Preventive maintenance Schedule has been prepared and the unit is following the same.</p>
12	<p>Unit shall comply with all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF and CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Pharmaceutical and Chemical Industries as mentioned at Sr. No. XX.</p>	<p>Noted for complied. The compliance report for same is Attached as Annexure-29</p>
13	<p>Management of Fly ash (if any) shall be as per the Fly Ash Notification 2009 and its amendment time to time and it shall be ensured that there is</p>	<p>Complied. We are sending 100 % Fly Ash to the end user for the purpose of brick manufacturing. Annexure-18.</p>

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	100% utilization of fly ash to be generated from the unit.	
Amended EC condition as EC 2020, EC No. SEIAA/GUJ/EC/5(f)/1639/2020 dated 31/12/2020 April-2023 to September-2023		
1	Change in Condition No. 12, 13, 14,15, and 16 of the environmental clearance order no. SEIAA/GUJ/EC/5(f)/171/2013 have been amended and shall be read as under and extension of validity of EC granted to M/s Aarti Industries Ltd for further three years i.e. 05/07/2023 with remaining condition uncharged in EC granted by SEIAA, Gujarat vide letter No. SEIAA/GUJ/EC/5(f)/171/2013 dated :5 July 2013.	Noted and Complied

Amended EC condition as EC 2020, EC No. SEIAA/GUJ/EC/5(f)/1639/2020 dated 31/12/2020 April-2023 to September-2023

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

Compliance report of Environmental Clearance File No. SEIAA/GUJ/EC/5(f)/2630/2022 on 07/11/2022

For period April-2024 to September-2024

	Name of product / by-product	Capacity in MT/ Annum	As on Actual MT/Month						Remarks																																																
A	Ethylation and Propoylation Products	54000	Complied.						Latest CCA copy is attached as Annexure-A . The unit is having a valid EC for same attached as Annexure-B EC Extension & amendment No.SEIAA/GUJ/EC/5(f)/1639/2020 dated 31/12/2020 as Annexure-C and EC Expansion No.SEIAA/GUJ/EC/5(f)/2630/2022 as Annexure-D																																																
	2- Methyl 6- Ethyl Aniline		<table border="1"> <thead> <tr> <th colspan="6">Production (MT)</th> </tr> <tr> <th>Month</th> <th>2-Methyl, 6-Ethyl Aniline (MEA)</th> <th>2,6 - Diethyl Aniline (DEA)</th> <th>3-Methyl 1 2-6 Diethyl Aniline (DEMA)</th> <th>2- Ethyl Aniline (OEA)</th> <th>Total Ethylation and Propoylation Products</th> </tr> </thead> <tbody> <tr> <td>April 2024</td> <td>845</td> <td>0</td> <td>0</td> <td>0</td> <td>845</td> </tr> <tr> <td>May 2024</td> <td>1270</td> <td>0</td> <td>0</td> <td>0</td> <td>1270</td> </tr> <tr> <td>June 2024</td> <td>501</td> <td>0</td> <td>0</td> <td>0</td> <td>501</td> </tr> <tr> <td>July 2024</td> <td>529</td> <td>0</td> <td>0</td> <td>0</td> <td>529</td> </tr> <tr> <td>August 2024</td> <td>1350</td> <td>0</td> <td>0</td> <td>0</td> <td>1350</td> </tr> <tr> <td>September 2024</td> <td>1370</td> <td>0</td> <td>0</td> <td>0</td> <td>1370</td> </tr> </tbody> </table>							Production (MT)						Month	2-Methyl, 6-Ethyl Aniline (MEA)	2,6 - Diethyl Aniline (DEA)	3-Methyl 1 2-6 Diethyl Aniline (DEMA)	2- Ethyl Aniline (OEA)	Total Ethylation and Propoylation Products	April 2024	845	0	0	0	845	May 2024	1270	0	0	0	1270	June 2024	501	0	0	0	501	July 2024	529	0	0	0	529	August 2024	1350	0	0	0	1350	September 2024	1370	0	0	0	1370
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			Remarks:- Unit have applied for CCA amendment for 2-Ethyl Aniline (OEA) as inward no-280463 dated 12.05.2024 for the																																																						

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

			<p>addition of the product 2-Ethyl Aniline (Ortho Ethyl Aniline) from Group A Sr. No.8 @ 1500 MT/Month and Unit will manufacture the above-mentioned product 2-Ethyl Aniline (Ortho Ethyl Aniline) in the existing plant only without any additional infrastructure.</p> <p>The unit has converted partial EC to CCA. Also unit has not produced Isopropyl Aniline and 2, 6 Diisopropyl Aniline, 2- Methyl-6-Isopropyl Aniline and 4- Methyl 2,-6 Di-isopropyl Anilin, 2,6 - Diethyl Aniline (DEA) and 2- Ethyl Aniline (OEA) during April-2024 to September-2024.</p>	
B	Ortho Toluidine/para Toluidine/[Meta Toluidine Distillation (Physical Separation)	6000	<p>Complied</p> <p>Presently the unit is not doing the Physical separation. The unit has converted partial EC to CCA for phase-1.</p>	CCA for this group was not taken. CCA copy is attached as Annexure-A.
2	<p>Hydrogenated Products</p> <p>Ortho Toluidine</p> <p>Chloro Aniline</p> <p>DiChloro Aniline</p> <p>TriChloroAniline</p> <p>Ortho Phenylene Diamine</p> <p>Phenylene Diamine</p> <p>3,4 Diamino Diphenyl Ether</p> <p>4,4 Diamino Diphenyl Ether</p>	6000	<p>Complied</p> <p>Presently the unit is not doing the Hydrogenation process. The unit has converted partial EC to CCA for phase-1.</p>	<p>Presently the unit is not doing the Hydrogenation process.</p> <p>The unit has converted partial EC to CCA. CCA for this group was not taken. CCA copy is attached as Annexure-A.</p>
3	<p>Chlorination Products</p> <p>Monochloro Benzene</p>	60000	<p>Complied</p>	

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Ortho Dichlorobenzene		Presently the unit is not doing the Chlorination process. The unit has converted partial EC to CCA for phase-1.	
Para Dichloro Benzene			
Total		Average production of 977.5 MT/Month in the compliance period (April-2024 to September-2024).	Production is well within the limit. CCA converted to Ethylation & Propylation Group for 1500MT/ Month only.

Sr. No.	EC conditions	Compliance status																												
A.1 SPECIFIC CONDITIONS:																														
1	Unit shall install CEMS [Continuous Emission Monitoring System] in line to CPCB directions to all SPCB vide letter no B-29016/04/05PC-1/5401 dated 05/02/2014 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's server which can be assessable by the GPCB/CPCB on real time basis. (For Small/Large Medium (Red Category) & Whichever (Air emission & Effluent discharge) is applicable).	<p>Complied</p> <p>We have installed OCEMS to our flue gas stack of boilers and magnetic flow meter at ETP inlet and outlet and also installed PTZ camera at ETP outlet as per CPCB guideline. Regarding details are tabulated as below:</p> <table border="1"> <thead> <tr> <th align="center">Sr.No.</th> <th align="center">Station Name</th> <th align="center">Parameter name</th> <th align="center">Brand name</th> <th align="center">Make and model of Analyzer</th> <th align="center">Serial No. of the Analyzer</th> <th align="center">Measurement Principle of the Analyzer</th> </tr> </thead> <tbody> <tr> <td align="center">1</td> <td align="center">Stack_1_Boiler 14 TPH</td> <td align="center">PM</td> <td align="center">Forbes Marshall</td> <td align="center">DCEM 2100</td> <td align="center">16128</td> <td align="center">opacity dust Monitoring</td> </tr> <tr> <td></td> <td></td> <td align="center">SOx</td> <td align="center">Forbes Marshall</td> <td align="center">FMGCeM4 0xx</td> <td align="center">FMGCeM 40XX-19 054</td> <td align="center">Infrared absorption technology</td> </tr> <tr> <td></td> <td></td> <td align="center">NOx</td> <td align="center">Forbes</td> <td align="center">FMGCeM4</td> <td align="center">FMGCeM</td> <td align="center">Infrared</td> </tr> </tbody> </table>	Sr.No.	Station Name	Parameter name	Brand name	Make and model of Analyzer	Serial No. of the Analyzer	Measurement Principle of the Analyzer	1	Stack_1_Boiler 14 TPH	PM	Forbes Marshall	DCEM 2100	16128	opacity dust Monitoring			SOx	Forbes Marshall	FMGCeM4 0xx	FMGCeM 40XX-19 054	Infrared absorption technology			NOx	Forbes	FMGCeM4	FMGCeM	Infrared
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			Marshall	Oxx	40XX-19054	absorption technology		
		PM	Forbes Marshall	DCEM 2100	19049	Opacity dust Monitoring		
		SOx	Forbes Marshall	GCEM40xx Series Article no FMGCEM4080	FMGCEM4080-18103	Infrared Absorption Analyser-In-Situ type (NDIR)		
		NOx	Forbes Marshall	GCEM40xx Series Article no FMGCEM4080	FMGCEM4080-18103	Infrared Absorption Analyser-In-Situ type (NDIR)		
		3	ETP	Flow	Rosemount	8732FMT1A1K1M4	6208645	electromagnetic induction
		4	Camera Location	ETP Outlet	Shreedhar Instrument (SECURUS)	SS0804ASLSS-NE12XS-M2	Static IP Address: 27.54.174.164	Grade IP (Internet Protocol) cameras having PAN, Tilt, Zoom (PTZ)
2	Leak Detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines LDAR Logbooks shall be maintained	<p>Complied</p> <p>Unit has implemented the LDAR program during plant operation as per CPCB guidelines. Unit will ensure the below listed conditions for LDAR program,</p> <ol style="list-style-type: none"> Approaches for controlling fugitive emissions from equipment leaks shall have proper selection, installation and maintenance of non-leaking or 						

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leak-tight equipment. Following initial testing after commissioning, the monitoring for leak detection is to be carried out as a permanent on-going Leak Detection and Repair (LDAR) programme. Finally detected leaks are to be repaired within an allowable time frame.

2. Components that shall be covered under LDAR programme include (i) Block Valves; (ii) Control Valve; (iii) Pump seals; (iv) Compressor seals; (v) Pressure Relief Valves; (vi) Flanges - Heat Exchangers; (vii) Flanges - Piping; (viii) Connector - Piping; (ix) Open ended lines; (x) Sampling connections. Equipment and line sizes more than 1.875 cm or 3/4 inch are to be covered.
3. Monitoring Requirements and Repair Schedule: Following frequency of monitoring of leaks and schedule for repair of leaks shall be followed:

Components	Frequency of monitoring	Repair Schedule
	Quarterly (semiannual after two consecutive periods with < 2% leaks and annual after 5 periods with 2% leaks)	Repair will be started within 5 working days and shall be completed within 15 working days after detection of leak for general hydrocarbons.
Pump Seals	Quarterly	In the case of benzene, the leak shall be attended immediately for repair.
Compressor Seals	Quarterly	
Pressure Relief	Quarterly	

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Devices		
Pressure Relief Devices (after venting)	Within 24 hours	
Heat Exchanger	Quarterly	
Process drains	Annually	
Components that are difficult to monitor	Annually	
Pumps seals with visible liquids dripping	Immediately	Immediately
Any components with visible leaks	Immediately	Immediately
Any components after repair/replacement	Within Five days	-

1. In Addition, any component observed to be leaking by sight, sound or smell, regardless of concentration (liquid dripping, visible vapor leak) or presence of bubbles using soap solution should be considered as a leak.
2. The percentage leaking components should not be more than 2% for any group of components, monitored excluding pumps/compressors. In case of pumps/compressors, it should be less than 10% of the total number of

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		<p>pumps/compressors or three pumps and compressors, whichever is greater.</p> <ol style="list-style-type: none">3. Pressure relief and blowdown systems should discharge to a vapor collection and recovery system or to flare.4. Open-ended lines should be closed by a blind flange or purged.5. Totally closed-loop should be used in all routine samples.6. Low emission packing should be used for valves.7. High integrity sealing materials should be used for flanges.8. 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>List of located devices attached as Annexure-1</p>
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3 The National Ambient Air Quality Emission Standards issued by the Ministry vide GS. R. No 826 (E) dated 16th November 2009 shall be complied with

Complied

The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by a MoEF approved laboratory (Unistar Environment & Research Labs Pvt. Ltd.). The results of the analysis are provided in the table. Copy of the analysis report has been attached as [Annexure-2](#)


Unistar NABL Certification No.: TC-7753

Location	Parameters(microgram/m ³)	Month					
		Apr 24	May 24	June 24	July 24	Aug 24	Sept 24
Main Gate	PM10	72.63	75.83	63.83	71.5	70.63	74.5
	PM2.5	24	24.83	19.83	23.6	23.38	24
	SO2	14.08	14.72	13.57	14.79	14.49	17
	NO2	20.48	19.83	17.15	19.82	18.29	21.85
ETP	PM10	76.63	75.67	66.17	76.1	69.5	70.75
	PM2.5	25.13	24	22	24.6	69.5	23
	SO2	18.95	14.97	14.97	15.53	15.59	19.12
	NO2	20.33	19.58	19.4	20.38	18.96	23.28
Plant Office	PM10	71	70.17	64.17	69.2	68.75	69.25
	PM2.5	21.88	20.67	20.5	21	22.5	21.87
	SO2	14.64	14.8	14.65	14.74	14.85	18.02
	NO2	20.14	19.82	19.95	19.96	20.34	22.65
Note: N.D.- Not Detected, BDL - Below Detection Limit							

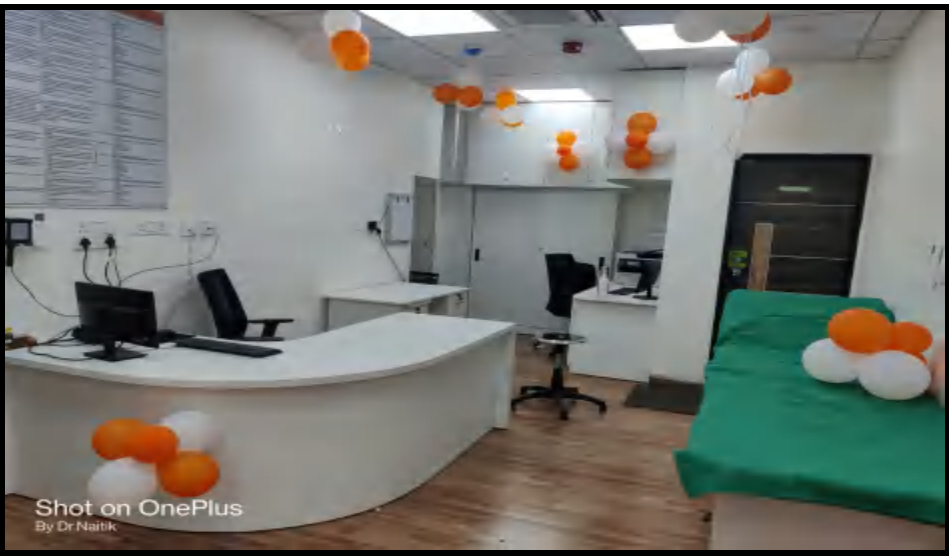
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4	National Emission Standards for Organic Chemicals Manufacturing industry issued by the Ministry vide GS. R. No 608 (E) dated 21/07/2010 and amended from time to time shall be followed.	<p>Complied</p> <p>National Emissions Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.</p> <p>All process vents are in a closed loop. The venting of process vapor is done through a flare system. We continuously monitor VOC by portable instruments in the plant area. We are also monitored by NABL/MOEF & CC / GPCB authorized parties (Unistar Environment & Research Labs Pvt. Ltd.) on a monthly basis for the same. Also the unit has applied for partial EC to CCA for phase-1.</p>
5	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>Being a ZLD unit, no effluent is sent to the GIDC drain. The certificate(undertaking) for disconnection of drainage connection issued by concerned authority on 18/04/2016 is attached as Annexure-3.</p> <p>Unit has obtained EC as EC no: SEIAA/GUJ/EC/5(f)/547/2019 dated 10-04-2019. Unit has obtained CTO AWH 112729 dated 15-06-2021 for ZLD.</p>
6	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>The unit is carrying out Soil Analysis location by a MoEF approved laboratory (Unistar Environment & Research Labs Pvt. Ltd.). The results of the analysis are provided in the table. Copy of the analysis report has been attached as Annexure-4.</p>

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7	Safety & Health:	
a	PP shall provide Occupational Health Centre (OHC) as per the provisions under the Gujarat Factories Rule 68-U.	<p>Complied</p> <p>Unit has also developed OHC with all medical facilities with a factory medical officer and Staff Nurse. Photograph Occupational Health Centre (OHC) attached below. Details of OHC are attached as Annexure-5.</p> 

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		 <p style="text-align: center;"><u>Occupational Health Centre (OHC)</u></p>
b	<p>PP shall obtain fire safety certificate/Fire No-Objection certificate (NOC) from the concerned authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.</p>	<p>Complied</p> <p>Unit has a Fire NOC for partially converted scope phase-1. Unit will ensure about the same in future for further amendment.</p> <p>Fire NOC copy is attached as Annexure-6</p>
c	<p>Unit shall adopt functional operations/process automation system including emergency response to eliminate risk associated with the hazardous processes</p>	<p>Complied</p> <p>Unit has an automation system and the whole process was controlled by the DCS system.</p>
d	<p>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.</p>	<p>Complied</p> <p>We are ensuring to carry out mock drills 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. Copy attached as annexure.</p>

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e	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	Complied We are ensuring to install an adequate fire hydrant system with foam trolley attachment within premises and separate storage of water.														
f	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	Complied Separate Hazardous materials storage areas with dyke walls are provided.														
g	PP shall take all the necessary steps for human safety within premises to ensure that no harm is caused to any worker/employee or labor within premises.	Complied Unit has provided Proper PPE to the worker/employee and regular training is provided.														
h	Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.	Complied Unit has installed flameproof electrical fittings in the plant premises.														
i	Unit shall provide a water sprinkler to the ammonia storage cylinder.	Noted. Not Applicable														
j	Unit shall never store drum/barrels/carboys of incompatible material/chemical together.	Noted & Complied														
k	Unit shall provide effective isolation for the Process area and storage of hazardous chemicals.	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.														
A. 2 WATER:																
8	Total water requirement for the project shall not exceed 3072 KLD Unit shall reuse 776 KLO of treated industrial effluent within premises Hence, fresh water requirement shall not exceed 2296 KLD and it shall be met through GIDC water supply only Prior permission from concerned authority for withdrawal of water shall be obtained	Complied Total Water Requirement is not exceeding 3072 KL/Day and fresh water requirement is not exceeding 2296 KL/Day and recycled water is 776 KL/Day. Water consumption is under the prescribed limit.														
		<table border="1"> <thead> <tr> <th>Particular</th> <th>Apr 2024</th> <th>May 2024</th> <th>June 2024</th> <th>July 2024</th> <th>Aug 2024</th> <th>Sept 2024</th> </tr> </thead> <tbody> <tr> <td>Fresh Water</td> <td>472.1</td> <td>522.9</td> <td>584.7</td> <td>594.1</td> <td>651.6</td> <td>730.5</td> </tr> </tbody> </table>	Particular	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024	Fresh Water	472.1	522.9	584.7	594.1	651.6	730.5
Particular	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024										
Fresh Water	472.1	522.9	584.7	594.1	651.6	730.5										

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		Consumptions KLD															
		Recycled Water (RO Permeate + MEE Condensate) Consumptions KLD	79.9	93.0	105.7	91.0	101.7	109.8									
		Total Water Consumptions KLD	552.0	615.9	690.4	685.1	753.3	840.3									
		<p>The water consumption is within the prescribed limit. Water bill of the same is attached as Annexure-7</p> <p>In addition to this, the unit is also maintaining a logbook for the water consumption day-to-day basis.</p>															
9	The industrial effluent generation from the project shall not exceed 724 KLD.	<p>Complied</p> <p>The Industrial effluent generation has not exceeded 724 KLD. The total average of last six month data has been given in the table below:</p> <table border="1" data-bbox="1188 1122 1898 1377"> <thead> <tr> <th rowspan="2">MONTH</th> <th>Industrial Effluent generation</th> </tr> <tr> <th>KLD</th> </tr> </thead> <tbody> <tr> <td>April 2024</td> <td>99.5</td> </tr> <tr> <td>May 2024</td> <td>114.3</td> </tr> <tr> <td>June 2024</td> <td>133.2</td> </tr> </tbody> </table>							MONTH	Industrial Effluent generation	KLD	April 2024	99.5	May 2024	114.3	June 2024	133.2
MONTH	Industrial Effluent generation																
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		<table border="1" data-bbox="1188 196 1898 350"> <tr> <td align="center">July 2024</td> <td align="center">130.9</td> </tr> <tr> <td align="center">August 2024</td> <td align="center">128.7</td> </tr> <tr> <td align="center">September 2024</td> <td align="center">143.9</td> </tr> </table> <p>The industrial effluent generation is within the permissible limit.</p>	July 2024	130.9	August 2024	128.7	September 2024	143.9																		
July 2024	130.9																									
August 2024	128.7																									
September 2024	143.9																									
10	<p>Management of Industrial effluent shall be as under:</p> <p>47 KLD effluent generated from process, washing and scrubber shall be in primary, secondary & tertiary ETP followed by RO-III. 33 KLD RO III permeate shall be reused within premises.</p> <p>677 KLD effluent generated from boiler, cooling tower and DM reject shall be treated in primary ETP followed by RO- 507 KLD RO-I permeate shall be reused within premises and 170 KLD RO-I reject shall be treated in RO-L 119 KLU RO-II permeate shall be reused within premises.</p> <p>14 KLD RO-III reject and 51 KLD RO-II reject shall be treated in MEE/ATFD 60 KLD MEE condensate shall be reused within premises.</p>	<p>Complied</p> <p>The unit is a Zero liquid discharge unit. The average daily generation of industrial effluent for the monitoring period is 2.65 m3/day. The effluent coming from various plants are collected and treated in ETP consists of :</p> <p>Primary Treatment: Stripper, 3 layer separation tank, Equalization tank, Flash Mixer (Coagulation), Flocculation Tank, Lamella Settler.</p> <p>Secondary Treatment: Aeration Feed Tank, Aeration Tank, Secondary Clarifier</p> <p>Tertiary Treatment: RO, MEE & ATFD.</p> <p>ZLD Flow diagram attach in Annexure : 8</p> <p>And further treatment in RO followed by MEE & ATFD. The details of wastewater generation are given below.</p> <table border="1" data-bbox="1087 1052 1955 1403"> <thead> <tr> <th>Particular</th> <th>Unit</th> <th>Apr 2024</th> <th>May 2024</th> <th>June 2024</th> <th>July 2024</th> <th>Aug 2024</th> <th>Sept 2024</th> </tr> </thead> <tbody> <tr> <td>ETP Treated water</td> <td>Total KLD</td> <td align="center">2.3</td> <td align="center">0.3</td> <td align="center">5.8</td> <td align="center">6.3</td> <td align="center">0.6</td> <td align="center">2.65</td> </tr> <tr> <td>Effluent from utilities (DM,</td> <td>Total KLD</td> <td align="center">97.2</td> <td align="center">114.1</td> <td align="center">127.5</td> <td align="center">124.6</td> <td align="center">128.1</td> <td align="center">143.5</td> </tr> </tbody> </table>	Particular	Unit	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024	ETP Treated water	Total KLD	2.3	0.3	5.8	6.3	0.6	2.65	Effluent from utilities (DM,	Total KLD	97.2	114.1	127.5	124.6	128.1	143.5
Particular	Unit	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024																			
ETP Treated water	Total KLD	2.3	0.3	5.8	6.3	0.6	2.65																			
Effluent from utilities (DM,	Total KLD	97.2	114.1	127.5	124.6	128.1	143.5																			

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Cooling B/W & Boiler B/W)							
Feed to RO	Total KLD	99.5	114.3	133.2	130.9	128.7	146.1
RO Permeate	Total KLD	77.1	89.4	101.1	92.8	102.3	107.9
MEE Condensate	Total KLD	2.8	3.5	4.5	1.3	2.7	2.2
Total Water Recycled to Cooling Tower	Total KLD	79.9	93	105.7	94.1	105	110.1

All quantities are within the prescribed limit.

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11	Domestic wastewater generation shall not exceed 57 KL/day for proposed project and it shall be treated in STP. It shall not be disposed off into soak pit septic tank. Treated sewage shall be utilized for gardening & plantation purpose and cooling tower within premises after achieving on-land discharge norms prescribed by the GPCB	<p>Complied.</p> <table border="1" data-bbox="1268 256 1818 724"> <thead> <tr> <th rowspan="2">MONTH</th> <th>Domestic Waste Water generation</th> </tr> <tr> <th>KLD</th> </tr> </thead> <tbody> <tr> <td>April 2024</td> <td>24.0</td> </tr> <tr> <td>May 2024</td> <td>26.0</td> </tr> <tr> <td>June 2024</td> <td>37.0</td> </tr> <tr> <td>July 2024</td> <td>36.0</td> </tr> <tr> <td>August 2024</td> <td>34.0</td> </tr> <tr> <td>September 2024</td> <td>31.0</td> </tr> </tbody> </table> <p>All sewage generation quantities are within the permissible limit.</p> <p>For Domestic sewage Unit has Installed adequate 60 KLD STP and treated sewage shall be reused for gardening/plantation within premises after analyzing the parameter. analysis report data given in below table also the lab report attach in Annexure :9</p>	MONTH	Domestic Waste Water generation	KLD	April 2024	24.0	May 2024	26.0	June 2024	37.0	July 2024	36.0	August 2024	34.0	September 2024	31.0
MONTH	Domestic Waste Water generation																
	KLD																
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June 2024	37.0																
July 2024	36.0																
August 2024	34.0																
September 2024	31.0																
12	During monsoon season when treated sewage may not be required for the plantation / Gardening/Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case	<p>Noted and 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>															
13	Unit shall provide a buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.	<p>Complied</p> <p>Unit is maintains the ZLD system.</p> <p>Unit has an adequate buffer with two water storage tanks each of 225 KL capacity for holding the treated wastewater during the rainy days.</p>															
14	Unit shall provide ETP STP, ROS & MEE with adequate capacity	<p>Complied</p> <p>Primary Treatment: Stripper, 3 layer separation tank, Equalization tank, Flash Mixer</p>															

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(Coagulation), Flocculation Tank, Lamella Settler

Secondary Treatment: Aeration Feed Tank, Aeration Tank, Secondary Clarifier

Tertiary Treatment: RO, MEE & ATFD.

And further treatment in RO followed by MEE & ATFD.

ZLD Equipment RO, MEE & ATFD

SR. No	Description	Existing Installed Capacity (KLD)
1	Effluent Treatment Plant	60
2	RO- Process (Chemical)	60
3	Utility RO-1	150
4	Utility RO-2	550
5	MEE & ATFD	60
6	HP RO	50
7	SP RO	200
9	STP	60
10	Stripper	60

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ETP-60 KLD



Stripper-60 KLD



MEE & ATFD-60KLD



RO Process (Chemical)-60 KLD
& HP RO-50KLD

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SP RO-200KLD



**Utility RO-1 - 150 KLD
& Utility RO-2 - 550KLD**

15 The unit shall provide metering facility at the inlet and outlet of ETP STP ROS & MEE and maintain records for the same.

Complied

Unit has provided metering facilities at the inlet and outlet of ETP STP ROS & MEE and maintains records for the same.

16 Proper logbooks of ETP, STP ROS & MEE reuse recycle of treated untreated effluent chemical consumption in effluent treatment quantity & quality of treated effluent power consumption etc shall be maintained and shall be furnished to the GPCB from time to time.

Complied

Unit has maintained proper records for ETP,MEE,RO and MEE logbooks.

A.3 AIR:

17 Unit shall not exceed fuel consumption for boilers. TFHs and D G Sets as mentioned below:

Complied

The data of the last six months are given in the following table.

Sr. No	Source of Emission	Stack Height	Fuel Type	Fuel Consumption	Types of Pollution
1	Boiler-1 (Cap. 20TPH)	42 (Common chimney)	Coal	3333.3 kg/hr	PM: 150 mg/Nm3

Natural Gas Consumption		
Month	Total Consumption (kg/Month)	Total Consumption Kg/Hr
April 2024	29952.1	31.2
May 2024	34683.1	35.0

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2	TFH-1 (Cap. 20 Lac kCal/ hr)	with Boller)	Natural Gas	187.5 kg/ hr	SOx: 100 ppm
3	Boiler-II (Cap. 67 TPH)	80	Coal	310 MT/day	& NOx: 50 ppm
4	DG Set Cap. 1000 kVA	30	Diesel	270 lit/ hr	
5	DG Set Cap. 1000 kVA	30	Diesel	270 lit/ hr	
6	DG Set Cap. 1500 kVA	30	Diesel	300 lit/ hr	
7	Ethylation Furnace Vent	42	Coal	150 kg/ hr	

Proposed Additional

1	Boiler-III (Cap. 67 TPH)	80 (Common chimney with Boller-II)	Coal	12.917 MT/ hr	PM: 150 mg/Nm3 SOx: 100 ppm &
2	TFH-II (Cap. 40 Lac kCal/ hr)	35	Coal	1.4 MT/ hr	NOx: 50 ppm
3	DG Set Cap. 2500 kVA	30	Diesel	750 lit/ hr	

Total After Proposed Expansion

June 2024	21615.4	22.5
July 2024	18979.8	19.1
August 2024	36272.0	36.6
September 2024	36713.5	38.2

Month	Total Diesel Consumption (Ltr/Month)	Diesel Consumption (Ltr/Hr)
April 2024	210.2	0.3
May 2024	286.6	0.4
June 2024	210.2	0.3
July 2024	1748.6	2.4
August 2024	238.9	0.3
September 2024	238.9	0.3

Month	Coal Consumption in 67 TPH & 14 TPH boiler (MT/Month)	Coal Consumption for boiler (MT/day)	Coal Consumption for boiler (MT/Hr)
April 2024	1841.5	61.4	2.6
May 2024	2605	84	3.5
June 2024	3935	131.2	5.5
July 2024	4565	147.3	6.1
August 2024	5014	161.7	6.7
September 2024	4816.0	160.5	6.6

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	1	Boiler-1 (Cap. 20TPH)	42 (Common chimney with Boiler)	Coal	3.3333 MT/ hr	PM: 150 mg/Nm3 SOx: 100 ppm & NOx: 50 ppm
	2	TFH-1 (Cap. 20 Lac kCal/ hr)		Natural Gas	0.1875 MT/ hr	
	3	Boiler-II (Cap. 67 TPH)	80 (Common chimney)	Coal	12.917 MT/ hr	
	4	Boiler-III (Cap. 67 TPH)		Coal	12.917 MT/ hr	
	5	TFH-II (Cap. 40 Lac kCal/ hr)	35	Coal	1.4 MT/ hr	
	6	DG Set Cap. 1000 kVA	30	Diesel	270 lit/ hr	
	7	DG Set Cap. 1000 kVA	30	Diesel	270 lit/ hr	
	8	DG Set Cap. 1500 kVA	30	Diesel	300 lit/ hr	
	9	DG Set Cap. 2500 kVA	30	Diesel	750 lit/ hr	
18	Unit shall provide adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.				<p>Complied APCM systems have been installed for Boiler 67 TPH, 20 TPH such as ESP. Fly Ash being stored in a silo storage area.</p>	

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APCM:-

APCM systems have been installed for Boiler 67 TPH, 20 TPH such as ESP. Fly Ash being stored in a silo storage area.



3 stage ESP and 76 m stack attached to boiler

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Silo installed for fly ash storage and dusting free truck loading



Automated Lime feeding system for controlling SOx commission.

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19	Unit shall provide adequate APCM with process gas generation sources as mentioned below.				Complied																
Sr. No.	Sp. Source of Emission	Type of Emission	Stack Height	APCM																	
Existing																					
1	CaCO3 reactor	HCl	11	Falling film Absorber followed by Alkali Scrubber	<p>Alkali scrubber has been provided for control of HCl gas emission from the Ethylation and Propylation process. Furnace has been converted into the above said scrubber through CCA No. AWH-112729 & dated 15/06/2021.</p> <p>HCL emissions in the Ethylation and Propylation process are monitored by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.). The results are given below table. Copy attached in the following table. See Annexure-10.</p> <p align="center"><u>Unistar NABL Certification No.: TC-7753</u></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">HCl (mg/Nm3)</th> <th style="text-align: center;">GPCB Limit</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">April 2024</td> <td style="text-align: center;">BDL</td> <td rowspan="6" style="text-align: center; vertical-align: middle;">20 mg/Nm3</td> </tr> <tr> <td style="text-align: center;">May 2024</td> <td style="text-align: center;">BDL</td> </tr> <tr> <td style="text-align: center;">June 2024</td> <td style="text-align: center;">BDL</td> </tr> <tr> <td style="text-align: center;">July 2024</td> <td style="text-align: center;">BDL</td> </tr> <tr> <td style="text-align: center;">August 2024</td> <td style="text-align: center;">BDL</td> </tr> <tr> <td style="text-align: center;">September 2024</td> <td style="text-align: center;">BDL</td> </tr> </tbody> </table>	Month	HCl (mg/Nm3)	GPCB Limit	April 2024	BDL	20 mg/Nm3	May 2024	BDL	June 2024	BDL	July 2024	BDL	August 2024	BDL	September 2024	BDL
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April 2024	BDL	20 mg/Nm3																			
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September 2024	BDL																				
2	Chlorinator	HCl	11	Falling film Absorber followed by Tail Gas Tower																	
3	Flare Stack (NG - 5 kg/ hr)	-	18	-																	
4	Scrubber to Hydrolysis Process-I	HCl	11	Caustic Scrubber																	
Proposed Additional																					
1	Scrubber to Hydrolysis Process-II	HCl	11	Caustic Scrubber																	
2	Flare Stack (NG - 10 kg/ hr)	-	18	-																	
Proposed Total																					
1	Scrubber to Hydrolysis	HCl	11	Caustic Scrubber																	

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

	<table border="1"> <tr> <td></td> <td>Process-I</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Scrubber to Hydrolysis Process-II</td> <td>HCl</td> <td>11</td> <td>Caustic Scrubber</td> </tr> <tr> <td>3</td> <td>Flare Stack (NG - 10 kg/ hr)</td> <td>-</td> <td>18</td> <td>-</td> </tr> </table>		Process-I				2	Scrubber to Hydrolysis Process-II	HCl	11	Caustic Scrubber	3	Flare Stack (NG - 10 kg/ hr)	-	18	-	
	Process-I																
2	Scrubber to Hydrolysis Process-II	HCl	11	Caustic Scrubber													
3	Flare Stack (NG - 10 kg/ hr)	-	18	-													
20	PP shall use approved fuels only as fuel in boilers	Complied Unit has used approved fuels only in boilers.															
21	<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 (eg. Directors of Industrial 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 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 are concreted. Photograph attached as Annexure-10.</p> <p>Water sprinklers are provided to control air borne dust at suitable locations in the plant.</p> <p>Green belt is developed around the roads and the periphery of the site to mitigate fugitive & transport dust emission Annexure-11.</p>															
22	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.	<p>Complied</p> <p>The fugitive emissions in the work zone environment are monitored by in house facilities as well as done by a third party consultant who has a MoEF&CC/GPCB/NABL approved laboratory. Results of fugitive emissions (Form-37) are attached as Annexure-12</p> <p align="center"><u>Unistar NABL Certification No.: TC-7753</u></p> <table border="1"> <thead> <tr> <th>MONTH</th> <th>Workplace Report / Form 37 (ppm)</th> <th>Limit (As given in Schedule-II as per Factories Act 1948)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MONTH	Workplace Report / Form 37 (ppm)	Limit (As given in Schedule-II as per Factories Act 1948)												
MONTH	Workplace Report / Form 37 (ppm)	Limit (As given in Schedule-II as per Factories Act 1948)															

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				(mg/m ³)
		April 2024	2.92	10
		May 2024	1.8	
		June 2024	1.72	
		July 2024	1.36	
		August 2024	1.43	
		September 2024	1.26	
23	For control of fugitive emission, VOCs, following steps shall be followed: 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.	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. Unit has provided an enclosure system for air borne dust at all transfer operations		
24	Regular monitoring of ground level concentration of PM10. PM2.5. SO ₂ , NO _x , HCl and VOCs shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.	Complied The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by a MoEF approved laboratory (Unistar Environment & Research Labs Pvt. Ltd.). The details are mentioned in point No.3. The results of the analysis are provided in the table. Copy of the analysis report has been attached as Annexure-2		
A.4 SOLID/HAZARDOUS WASTE:				
25	All the hazardous/ solid waste management shall be taken care of as mentioned below.	Complied. The unit has obtained permission from the GPCB CCA No. AWH-112729, Issued on 15/06/2021 valid till 19/05/2028 for collection, storage and disposal of hazardous waste. The solid waste is disposed to BEIL, Ankleshwar, process waste is disposed to		

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S r. N o	Type/Name of Hazardous waste	Source of generation	Category and schedule as per HW rules	Quantity (MT/Annum)			Disposal Method	RSPL for co processing & Aluminium Hydroxide (Process Waste) is being sent to Pradip Overseas (Rule-9) for utilization as raw material in their process through manifest system and GPS.							
				Existing	Proposed	Total		Month	ETP Sludge (35.3) (MT) Landfilling	Process Residue (26.1) (MT) Pre-processing	Spent Waste oil (5.1) (MT)	Aluminum Hydroxide/ Process Waste(26.1) (Rule-9, Pre-processing & incineration) (MT)	Discarded Bags/Insulation Waste(33.1) (MT)	Insulation Waste/N RP	
1	ETP Sludge	From ETP	35.3	482	500	730	Collected and Sent to GPCB Approved CHWIF/TSDF site for landfilling or will be sent for co-processing/ pre-Processing / incineration facility								
2	MEE Salt	From MEE	35.3		1573	1825	Collected and Sent to GPCB Approved CHWIF/TSDF site for landfilling or will be sent for co-processing/ incineration facility	Limit (MT/Annum)	482	600	9	12168	6.2	20	
3	Used or Spent Oil	From Plant Operation	5.1	9	26	35	Collection, storage transportation, disposal by selling out to GPCB Registered recyclers/ reprocessors/ co-processing.	April 2024	62.08	0	0	198.13	0	1.08	
								May 2024	43.99	12.96	0	507.2	0.99	0.93	
								June 2024	29.72	0	2.4	331.81	0.67	6.06	
								July 2024	6.96	21.57	0	168.56	1.09	0.91	
								August 2024	95.03	0	0	373.81	0	2.37	
							September 2024	39.81	12.3	0	425.87	0.62	0		
4	Discarde	From	33.1	6.2	8.8	15	Collection, storage	Total	277.59	46.83	2.4	2005.38	3.37	11.35	

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	d Containe r (Drums/ Carboys/ bottles/ bags)	Plant Operat ion					transportation, disposal by sending to GPCB authorized reprocessors/ recyclers/ CHWIF/ TSDF.							
								Month	Spent Catalyst (26.5) (MT)Recycl ers	Spent carbon(26.1) (MT)	Off-Specifica tion(26.1)(M T)	spent Resin(35.2) (MT)	HF	H3BO3
5	Process Waste (Residue)	From Manuf acturing of Produ cts in Group A & B.	26.1	600	5460	6060	Collection, storage transportation, disposal to GPCB Approved CHWTSDF site for incineration or will be sent for co-processing/ pre-processing facility.	Limit (MT/Annu m)	0.12	20	20	20	0	0
								April 2024	0	0	0	0	0	0
								May 2024	0	0	0	0	0	0
								June 2024	0	0	0	0	0	0
6	Spent Catalyst	From Proces s	26.5	0.12	-0.12	0	Collection, storage transportation, disposal by selling out to GPCB Registered recyclers	July 2024	0	0	0	0	0	0
								August 2024	0	0	0	0	0	0
								September 2024	0	0	0	0	0	0
								Total	0	0	0	0	0	0
								<p align="center">All the disposed quantity are within the prescribed limit</p> <p align="center">Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/Labeling-Form 8/ TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc.</p>						

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7	Aluminium Hydroxide (AlOH3)	From Manufacturing of Products in Group A	26.1	12168	69571	81739	Collection, storage Transportation, send to authorized end user industry having permission under Rule-9 of Hazardous & Other Waste rules 2016 or incineration/ co-processing/ pre-processing facility.	The unit is submitting Form 4 & on a regular basis, Form- 4 of 2023-24 is submitted to the board As latter number AIL/DHJ/NEO/ENV/2024-25/008 and the same as attached as Annexure-13
8	Non Recyclable Plastic, PPE & Insulation waste/ cotton waste	From Plant	33.1	20	20	40	Collection, storage transportation, disposal by selling to authorized recyclers/ reprocessors/ co-processing or GPCB Approved CHWTSDF Site.	
9	Spent Carbon	From ETP & DM Plant	26.1	20	40	60	Collection, storage transportation, disposal to GPCB Approved CHWTSDF site for incineration or will be sent for co-processing/ pre-processing facility	

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	10	Off Specification Product	From Manufacturing Processes	26.1	12	20	32	Collection, storage transportation, disposal to GPCB Approved CHWTSDF site for incineration or will be sent for co-processing facility.	
	11	Spent resin	From DM Plant	35.2	0	20	20	Collection, storage Transportation, sent for co-processing/ Pre-processing/ TSDF/ CHWIF.	
	12	HF	-	-	234	-234	0	Not Applicable	
	13	H3BO3	-	-	243	-243	0	Not Applicable	
26	<p>Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.</p>								<p>Complied</p> <p>Unit is generating Aluminum Hydroxide as Hazardous waste for which valid authorization CCA number AWH-112729, dated 15/06/2021 is obtained. Aluminum hydroxide is being sent to Pradip Overseas (Rule-9) for utilization as raw material in their process through manifest system and AIS-140 based GPS tracking. Also we have intimated GPCB for the same. Sample copy attached as Annexure-14. Rule 9 permission and MoU attached as Annexure-15 & Annexure16 respectively.</p>
27	<p>Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of Incinerable & land fillable wastes before sending to CHWIF & TSDF sites respectively.</p>								<p>Complied</p> <p>Unit is exploring all the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes. Unit had made an agreement with M/s. Ambuja Cement for incinerable to co-processing waste. Attachment is attached as Annexure-17</p>

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28	Management of fly ash shall be as per the Fly ash Notification 2009 & its amendment from time to time and it shall ensure 100% utilization of fly ash to be generated from the unit.	<p>Complied.</p> <p>We are sending 100percent Fly Ash to the end user for the purpose of brick manufacturing. MoU is attached as Annexure-18</p>						
29	STP sludge shall be collected and used as manure in gardening activity or sent to TSDF site for landfilling.	<p>Complied</p> <p>STP sludge is collected and used as manure in gardening activity or sent to TSDF site for landfilling.</p>						
30	The project proponent has to obtain membership of TSDF site & CHWWIF before obtaining CTO of GPCB.	<p>Complied.</p> <p>Monthly sludge generation and disposal. Unit has valid membership of the TSDF(BEIL), SEPPL and RSPL. Copies of membership certificates are attached as Annexure-19</p>						
31	The unit shall submit the list of authorized end users of hazardous wastes along with MoU signed with them at least two months in advance prior to the commencement of production in the absence of potential buyers of these items the unit shall restrict the production of the respective items.	<p>Complied</p> <table border="1" data-bbox="1079 776 1986 902"> <thead> <tr> <th data-bbox="1079 776 1188 841">Sr.no.</th> <th data-bbox="1188 776 1705 841">List of end users</th> <th data-bbox="1705 776 1986 841">MOU</th> </tr> </thead> <tbody> <tr> <td data-bbox="1079 841 1188 902">1</td> <td data-bbox="1188 841 1705 902">M/s. Pradip Overseas</td> <td data-bbox="1705 841 1986 902">Link</td> </tr> </tbody> </table> <p>Unit has made MOU with the end user of hazardous waste along with MOU.</p>	Sr.no.	List of end users	MOU	1	M/s. Pradip Overseas	Link
Sr.no.	List of end users	MOU						
1	M/s. Pradip Overseas	Link						
A.5 OTHER:								
32	The project proponent shall carry out the activities [Land reformation for tree plantation with maintenance. Fencing & Security infrastructure development, Tree plantation, Maintenance of plantation, Drip Irrigation, Lake formation, Chen of water bodies, Installation of Dam Formation, Khet Falavadi formation, Water recharge borewell, Maintenance Panel, Dental care through mobile van, Medical camps with appropriate treatments for all nearby villagers, Collation with CHC/PHC for health infrastructure developments, Collaboration with nearby hospitals JIA. Serva Rural for SE development, Hygiene awareness for community through medical team, Swachh Bharat Abhiyan for community Vadadla, Vav, Kadodara proposed under CER and it shall be part of the Environment	<p>Complied</p> <p>The project proponent has complied with all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules 2014” and its amendments from time to time. The CER/CSR activities list have been below</p> <table border="1" data-bbox="1071 1304 2018 1404"> <thead> <tr> <th data-bbox="1071 1304 1383 1352">Name of Associated NGO</th> <th data-bbox="1383 1304 1701 1352">Nature of Work</th> <th data-bbox="1701 1304 2018 1352">Amount (In Lacs.)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1071 1352 1383 1404">Jan Seva & Charitable Trust</td> <td data-bbox="1383 1352 1701 1404">Grocery, Uniform,</td> <td data-bbox="1701 1352 2018 1404">5.15</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Amount (In Lacs.)	Jan Seva & Charitable Trust	Grocery, Uniform,	5.15
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Jan Seva & Charitable Trust	Grocery, Uniform,	5.15						

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	Management Plan (EMP) as MoEF&CCS OM no. F No 22-65/2017-IA III dated 30.09.2020. This shall be monitored and the monitoring report submitted to the regional office of MoEF&CC as a part of a half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.		Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel	
		Samarth Engineering & Construction	Garden Development @ Luwara Village	12
		Samarth Engineering & Construction	Garden Development @ Luwara Village	0.3
		Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of March'24	2.5
		Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of April'24	2.5
		Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of June'24	2.5
		Gram Vikas Trust	Donation for Vidya Sarthi Project	2.5
		Gram Vikas Trust	Donation for Aarti Play group school at village Dahej & Mira nagar Ankleshwar	4.65
		Gram Vikas Trust	Donation for Vidya Sarthi Project	2.5
				Total
33	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by	Noted and will be Complied		

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

	M/s. ENPRO Enviro Tech and Engineers Pvt. Ltd. and submitted by the project proponent and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.									
B. GENERAL CONDITIONS:										
B.1 CONSTRUCTION PHASE:										
34	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices	Complied Unit has adopted best construction practices for expansion.								
35	Project proponents shall ensure that the 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 has installed AAQM monitoring systems at different places for controlling fugitive emission.								
36	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied Unit has provided all required sanitary and hygienic measures separately for expansion related project work.								
37	First Aid Box shall be made readily available in adequate quantity at all the times.	Complied First Aid Boxes are available and required Antidotes for the chemicals used in the unit will be made available in adequate quantity before commencement of expansions.								
38	The project proponent shall strictly comply with the Building and other Construction Workers (Regulation of Employment & Conditions of Service) Act 1995 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	Complied The project proponent strictly comply with the Building and other Construction Workers (Regulation of Employment & Conditions of Service) Act 1995 and Gujarat rules made there under and their subsequent amendments.								
39	Ambient noise levels shall conform to residential standards both during day and night Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.	Complied								
		<table border="1"> <tr> <td>Loca</td> <td>GPC</td> <td>April'24</td> <td>May'24</td> <td>Jun'24</td> <td>July'24</td> <td>August'24</td> <td>September'24</td> </tr> </table>	Loca	GPC	April'24	May'24	Jun'24	July'24	August'24	September'24
Loca	GPC	April'24	May'24	Jun'24	July'24	August'24	September'24			

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

		tion	B LIMIT S	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time		
		Near Main Gate		61.3	52.7	62.4	53.2	63.3	54.4	62.3	53.2	61.6	52.7	62.2	50.5
		Near Material Gate		59.7	51.6	63.5	52.3	62.5	53.7	63.2	51.2	62.7	50.6	61.5	51.2
		Near Boiler	Day @ 75 dB (A)	71.2	54.7	72.4	55.3	71.2	56.6	72.2	55.4	71.2	54.5	70.3	61.3
		Near ETP	Night @ 70 dB (A)	68.8	57.2	69.2	60.2	68.7	61.4	69.5	56.2	68.6	55.7	69.1	56.2
		Near MEA Plant		69.1	58.3	70.5	61.2	73.3	63.1	70.3	59.2	69.5	58.3	68.4	59.6
		Near MEA-2 Project Area		60.2	56.2	62.3	52.3	63.4	53.2	62.4	50.2	61.2	51.4	62.4	52.5
		Noise report is attached as Annexure-21													
40	Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Complied Unit has ensured the requirement of acoustic enclosure for operating the DG sets during existing operation.													
41	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured	Complied													

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		Unit ensures safe disposal of waste water & municipal solid wastes which is generated from construction activity which is treated in the existing ZLD system within the plant.
42	All topsoil excavated during construction activity shall be used in horticultural landscape development within the project site.	Complied Unit is utilizing topsoil and excavated soil for leveling purposes at sister concern unit. Also a unit having permission for the same.
43	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects Disposal of the excavated earth during construction phase shall not create adverse effect on neighboring communities	Complied Excavated earth to be generated during the construction phase is utilized within the premises to the maximum extent possible.
44	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project	Complied We are sending 100percent Fly Ash to the end user for the purpose of brick manufacturing.
45	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the EP. Act 1986 and its subsequent amendments from time to time.	Complied Fly Ash notification compliance report is attached as Annexure- 22
46	Windbreakers of appropriate height i.e 1/3rd of the building height and maximum up to 10 meters shall be provided Individual building within the project site shall also be provided with barricades.	Complied Windbreakers of appropriate height i.e 1/3rd of the building height and maximum up to 10 meters is provided Individual building within the project site along with barricades.
47	No uncovered vehicles carrying construction material and waste shall be permitted."	Complied
48	"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
49	Roads leading to or at construction site must be paved and blacktopped (ie metallic roads)	Complied
50	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	Complied

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51	Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing	Complied
52	Grinding and cutting of building materials in open areas shall be prohibited.	Complied
53	Construction material and waste should be stored only within earmarked areas and road side storage of construction material and waste shall be prohibited.	Complied
54	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site (if applicable)	Complied
B.2 OPERATION PHASE:		
B.2.1 WATER:		
55	The water meter shall be installed and records of daily and monthly water consumption shall be maintained .	Complied The water consumption is within the prescribed limit. In addition to this, the unit is also maintaining a logbook for the water consumption day-to-day basis.
56	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 All efforts are made to optimize water consumption by exploring Best Available Technology (BAT). The unit continuously strives to reduce, recycle and reuse the treated effluent.
B.2.2 AIR:		
57	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 impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.	Complied As of now the unit has not installed any spray dryer system as it is not the process requirement.

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		Limits						
Boiler-1 (14 TPH) & Thermic Fluid (Common Chimney)	PM	150 mg/Nm ³	22	28	25	20	18	16
	SOx	100 ppm	16	21	20	23	21	19
	NOx	50 ppm	31	36	35	36	34	32
	VOC	-	2.5	2.6	2.4	3.3	2.8	3.1
Boiler-2 67 TPH.	PM	150 mg/Nm ³	74	22	21	28	25	23
	SOx	100 ppm	66	96	76	80	80	77
	NOx	50 ppm	38	36	35	38	38	35
	VOC	-	3.1	2.8	2.6	3.5	3.1	2.8
DG Sets - 01	PM	150 mg/Nm ³	68	75	73	72	68	71
	SOx	100 ppm	19	23	21	18	16	18
	NOx	50 ppm	33	36	34	37	35	37
	VOC	-	2.2	3.1	2.8	3.2	3.1	2.6
DG Sets - 02	PM	150 mg/Nm ³	73	72	70	75	72	67
	SOx	100 ppm	21	19	17	20	19	16

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			NOx	50 ppm	35	37	35	36	34	35
			VOC	-	2.6	3.2	3	2.5	2.3	2.5
		DG Sets - 03	PM	150 mg/Nm ³	65	74	72	74	78	75
			SOx	100 ppm	17	21	19	21	22	20
			NOx	50 ppm	31	35	33	34	37	38
			VOC	-	2.4	2.5	2.2	2.6	2.4	2.6
61	All the reactor vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	<p>Complied</p> <p>All reactor/vessels are in closed loop system. There is no fugitive emission generation. Flue gas emissions are monitored by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.-(Unistar NABL Certification No.: TC-7753)). The results are attached in the following table. Results for the same are attached as Annexure-10 & Annexure-23</p>								
B.2.3 HAZARDOUS/SOLID WASTE:										
62	The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time Authorization of the GPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.	<p>Complied</p> <p>Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/Labeling-Form 8/ TREM Card- Form 9/Maintain Records-Form 3/ Annual return submission- Form 4 etc. If required in future we will do amendments from time to time.</p>								
63	Hazardous wastes shall be drier, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	<p>Complied</p> <p>Unit has provided a hazardous waste storage area with a pucca bottom and leachate collection facility.</p>								
64	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF (Whichever is applicable)	<p>Complied</p>								


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		Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in Annexure-24
65	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.
66	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.
67	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.
68	Management of fly ash (If any) 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 and complied Fly Ash notification compliance report is attached as Annexure- 22
B.2.4 SAFETY:		
69	The occupier/manager shall strictly comply with the provisions under the Factories Act 1948 and the Gujarat Factories Rules, 1963.	Complied The occupier has strictly complied with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.
70	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989 as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented	Complied The project management strictly complies with the provisions made in the factories Act, 1948 as well as Manufacture, Storage and Impact of Hazardous Chemical Rules, 1989 as amended in 2000 for handling of hazardous chemicals. Certificate issued from PESO is surrendered as attached as Annexure-25 On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and attached as Annexure-26
71	Main entry and exit shall be separate and clearly marked in the facility.	Complied

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		Main entry & Exit were separated and have been constructed marked clearly.
72	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.
73	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.
74	Sufficient number of fire extinguishers shall be provided near the plant and storage area	Complied Unit has provided a total 220 numbers of fire extinguishers near the plant and storage area. The fire extinguishers are installed in all the process plants such as ethylation & propylation section, Warehouse Plant as well as in ETP, OHC, Admin, Canteen etc. It is installed on every floor in the premises.
75	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
76	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.
77	The project management shall ensure to comply with all the environmental 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 The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report.
78	Only flameproof electrical fittings shall be provided in the plant premises	Complied Unit has installed flameproof electrical fittings in the plant premises.
79	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/containers instead of one single large capacity tank/container.	Complied Separate Hazardous materials storage areas with dyke walls are provided.

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		<p>Photo of dyke wall attached as below:</p> 
80	<p>As the storage tanks shall be lifted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals</p>	<p>Complied Unit has installed necessary engineering controls to avoid leakages and hazardous chemical storage tanks have been installed inside a Bund/ dyke wall.</p>
81	<p>Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs</p>	<p>Complied Unit has taken all necessary measures to minimize the human exposure to hazardous chemicals by closed loop pumping / vacuum transfer.</p>
82	<p>Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency</p>	<p>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 facilities with factory medical officers and staff. The Unit has tie up with Sunshine Global Hospital, Healing Multispeciality Hospital and Baroda Heart Hospital for immediate medical attention in the case of emergency at the Bharuch District.</p>

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		Attachment is attached as Annexure-27
83	Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	<p>Complied</p> <p>Unit has maintained around 50 types of Personal Protective Equipment (PPEs) and provided the same to workers. Unit has encouraged and ensured that PPE's are used by workers as per the requirement for a particular job role.</p> <p>PPEs- Helmet, Goggles, Safety Shoes, Full body safety suit, Double anchored safety harness, Cartridge mask, antistatic hand gloves, bubble hood etc.</p>
84	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	<p>Complied</p> <p>10 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>Photo of the first aid box attached as below :</p> <div data-bbox="1083 711 2011 1268" data-label="Image"> </div> <p align="center"><u>First Aid Box</u></p>
85	Training shall be imparted to all the workers on safety and health aspects of	Complied

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	chemicals handling.	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.				
86	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	<p>Complied</p> <p>Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act.</p> <p>Following check up has been carried out in periodical medical checkup.</p> <ul style="list-style-type: none"> - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers <p>Details of health surveillance of the employees and contract workers are given below and attached as Annexure-34.</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Month of surveillance</th> <th>Total no. of Employees</th> </tr> </thead> <tbody> <tr> <td>April-24 to September-24</td> <td>EMP= 159, Contract=75</td> </tr> </tbody> </table>	Month of surveillance	Total no. of Employees	April-24 to September-24	EMP= 159, Contract=75
Month of surveillance	Total no. of Employees					
April-24 to September-24	EMP= 159, Contract=75					
87	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	<p>Complied</p> <p>Hazardous chemicals transported as per the Motor Vehicle Act and Rules. Copy of Checklist attached as Annexure-36</p>				
88	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied				

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		The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report
89	Necessary permissions from various statutory authorities like PESO Factory Inspectorate and others shall be obtained prior to commissioning of the project	Complied Unit has obtained Factory License No.24007 and it is attached as Annexure-28
B.2.5 NOISE:		
90	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	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.
B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION:		
91	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. Certificate for the same is attached as Annexure-32
92	The company shall undertake various waste minimization measures such as	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.

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		<p>Venting equipment through a vapor 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>
a.	Metering and control of quantities of active ingredients to minimize waste	Complied
b	Reuse of by-products from the process as raw materials or as raw materials substitutes	Complied
c	Use of automated and close filling to minimize spillage	Complied
d	Use of close feed system into batch reactors	Complied
e	Venting equipment through vapor recovery system	Complied
f	Use of high pressure hoses for cleaning to reduce wastewater generation.	Complied
g	Recycling of washes to subsequent batches	Complied
h	Recycling of steam condensate	Complied
i	Sweeping/mopping of floor instead of floor washing to avoid effluent generation	Complied
j	Regular preventive maintenance for avoiding leakage, spillage etc	Complied
B.2.7 GREEN BELT AND OTHER PLANTATION:		

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The unit shall develop green belt within premises as per the CPCB guidelines. However if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC/GPCB and submit an action plan of plantation for next three years to the GPCB.

Complied

The unit has developed a greenbelt within the premises as per the guidelines of CPCB.

Total area of plot :- 50148 m²

Greenbelt within Plant Premises :- 12890 m² ,

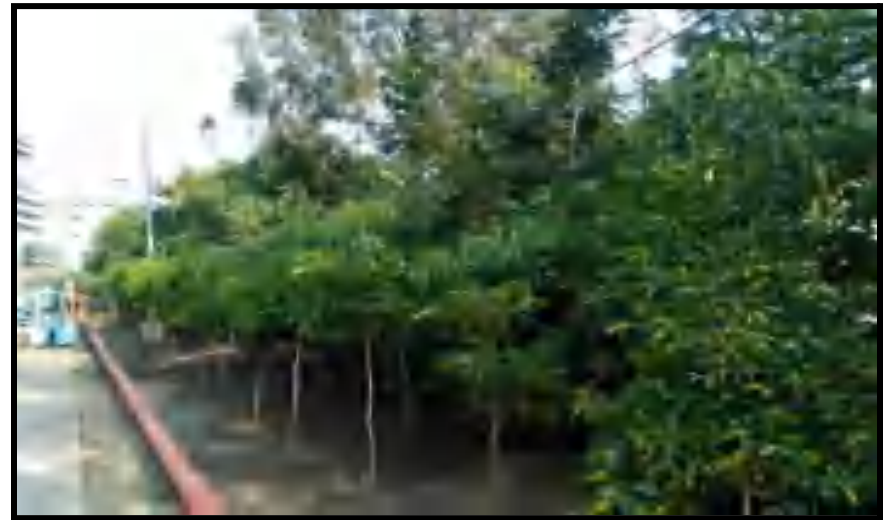
Greenbelt at common plot of Dahej SEZ II & opposite to tatva chintan :- 3659 m²

Total Green Belt :- 16549 m²


Photos for same are attached as below:



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94	Drip irrigation/low-volume, low-angle sprinkler system shall be used for the green belt development within the premises	<p>Complied</p> <p>Unit has provided a low-angle sprinkler system for the green belt development within the premises. Photo of Drip Irrigation system is attached as below:</p> <div data-bbox="1104 505 1982 1273"></div> <p><u>Drip Irrigation system</u></p>

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95	The PP shall develop green belt [10994 4 m2 (21.92%) inside plant premises 1896 m2 (3 78%) at boundary side and 3659 m2 (7.3%) in Common Plot in Dahej SEZ-II Total: 16549 Sq.m) ie 33% of total plot area) as per the undertaking submitted before SEAC Green belt shall be developed with native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB.	Complied
B.3 OTHER CONDITION:		
96	The projects covered under category 5(f) shall undergo the safety and environment audit regularly as per the standards laid down by the GPCB and CPCB	Complied The projects is covered under category 5(f) undergo the safety and environment audit regularly as per the standards laid down by the GPCB and CPCB
97	PP shall carry out the safety audit and Risk Assessment Report as per the prevailing guidelines of safety.	Noted & Complied
98	Management of Fly Ash shall be as per the Fly Ash Notification 2009 & is amendment from time to time and I shall be ensured that there is 100% utilization of fly ash to be generated from the unit.	Complied Fly Ash notification compliance report is attached as Annexure- 22
99	EMP should invariably include provisions for environmental Monitoring and measures for noise pollution control measures	Complied
100	In EMP proponent should separately indicate majors of occupational health, fire and safety measures	Complied
101	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 six monthly compliance reports to MOEFCC/SEIAA/SEAC/GPCB failing to which this provisional EC will stand withdrawn.	Complied

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102	Wherever waste water or chemical water to be collected by tankers and transported to CETA etc. any diversion and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law	Complied			
103	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			
104	Non-hazardous waste data shall be informed to GPCB time to time so as to make an assessment and tie-up with industry for generating sustainable power from the waste.	Complied			
		MONTH	SS Scrap (MT)	MS Scrap (MT)	Wooden (MT)
		Apr-2024	0	14.94	8.13
		May-2024	1.980	4.94	11.22
		Jun-2024	0	18.4	17.71
		Jul-2024	1	0	2.62
		Aug-2024	0.58	10	13.28
		Sep-2024	0	0	0.24
105	All chemical pharma industries etc. should ensure predictive and preventive maintenance of factory boilers and reactive shows to avoid incidents of fire and safety hazards.	Complied			
		Unit ensures periodic predictive and predictive maintenance of boilers installed at site.			
		Unit is scheduled in the SAP system for preventive maintenance of critical assets in the plant.			
106	EMP should include STP and detail cost including maintenance, transportation of waste water to CETP/CMEE etc. as well as transportation cost or transit cost.	Noted			
107	In LDAR preventive and predictive maintenance plan.	Complied			

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		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
108	In LDAR leakage component, source of equipment leak, detention method should be given in table form.	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 per the desired set point all are connected to the Hooter & DCS System.
109	In storage component should be shown separately in terms whether inflammable toxic corrosive, reactive etc	Complied
110	In case of Fly Ash generation its management and disposal should be as per Government of India Notification and 100% utilization should be ensured.	Complied
111	Project proponent shall install all environment management systems as per the CPCB/GPCB directives regarding effluent discharge and air emission in working condition.	Complied
112	Project proponent shall display the copy of Environment Clearance at the site prominently	Noted
113	Project proponent shall prepare and follow regular and preventive maintenance plans. The copy of the same shall be submitted to SEIAA.	Noted
114	Project Proponent will have to display the safety procedure in the working area.	Complied
115	The project proponent shall obtain all required permissions for safety, health and fire from competent authorities PESO/Fire Authority etc. and intimate SEIAA.	Complied Unit has a Fire NOC for partially converted scope phase-1. Unit will ensure about the same in future for further amendment. Fire NOC copy is attached a Annexure-6


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116	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 valid membership of the TSDf(BEIL), SEPPL and RSPL. Copies of membership certificates are attached as Annexure-19
117	Extra care will be taken by PP to avoid any accidental blast in boiler, reactor or any machinery in the plant	Complied Unit will take extra care to avoid any accidental blast in the boiler,reactor or any machinery in the plant.
118	Environment monitoring, training and disaster management plan should be undertaken and complied at regular intervals.	Complied
119	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 an Online Continuous Monitoring System (OCEMS) for emissions and the same has been connected to GPCB & CPCB Server.
120	The PP has to maintain the log sheets/ registers/ manifest/ gate pass for discharge through tankers and SCADA system for pipeline discharge for the waste water generation and its disposal data and submit to the GPCB every quarter GPCB shall verify the same on regular basis and inform SEIAA and take legal action in the cases of non compliance.	Noted
121	Unit shall comply with all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no F No 22-34/2018-1A III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no XX).	Complied The compliance report for same is Attached as Annexure-29
122	The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance with the MoEF&CC's Office Memorandum No No.22-65/2017-1A. Ili 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 MoEF&CC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the	Complied Unit has allocated a separate fund for Corporate Environment Responsibility (CER) activities to carry out activities.

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website of the project proponent.	Name of Associated NGO	Nature of Work	Amount (In Lacs.)	
	Jan Seva & Charitable Trust	Grocery, Uniform, Notebooks Cost & Salary for Computer teacher for Tribal Girls Hostel	5.15	
	Samarth Engineering & Construction	Garden Development @ Luwara Village	12	
	Samarth Engineering & Construction	Garden Development @ Luwara Village	0.3	
	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of March'24	2.5	
	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of April'24	2.5	
	Gram Vikas Trust	Donation for Vidya Sarthi Project for the Month of June'24	2.5	
	Gram Vikas Trust	Donation for Vidya Sarthi Project	2.5	
	Gram Vikas Trust	Donation for Aarti Play group school at village Dahej & Mira nagar Ankleshwar	4.65	
	Gram Vikas Trust	Donation for Vidya Sarthi Project	2.5	
	Total			34.6

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123	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the Ls 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
124	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 Unit has a proper rainwater harvesting system nearby the admin and boiler area.
125	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 has been incorporated for illumination of common areas and lighting which is available on OHC and Admin building..  <u>Admin Building Solar Panel</u>
126	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Complied
127	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
128	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 The project proponent shall also comply with any additional condition that may be

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		imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.
129	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 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
130	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB) State Government and any statutory authority.	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	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or stormwater.	Noted
132	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/impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
133	Leakages from pipes, sumps shat be minimal and if occurs, shall be arrested promptly	Complied Leakages from pipes, sumps are minimal and if occurs, it is arrested promptly.
134	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 No further expansion or modifications in the plant likely to cause environmental impacts is carried out without obtaining prior Environment Clearance from the concerned authority.
135	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	Complied The above conditions has 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

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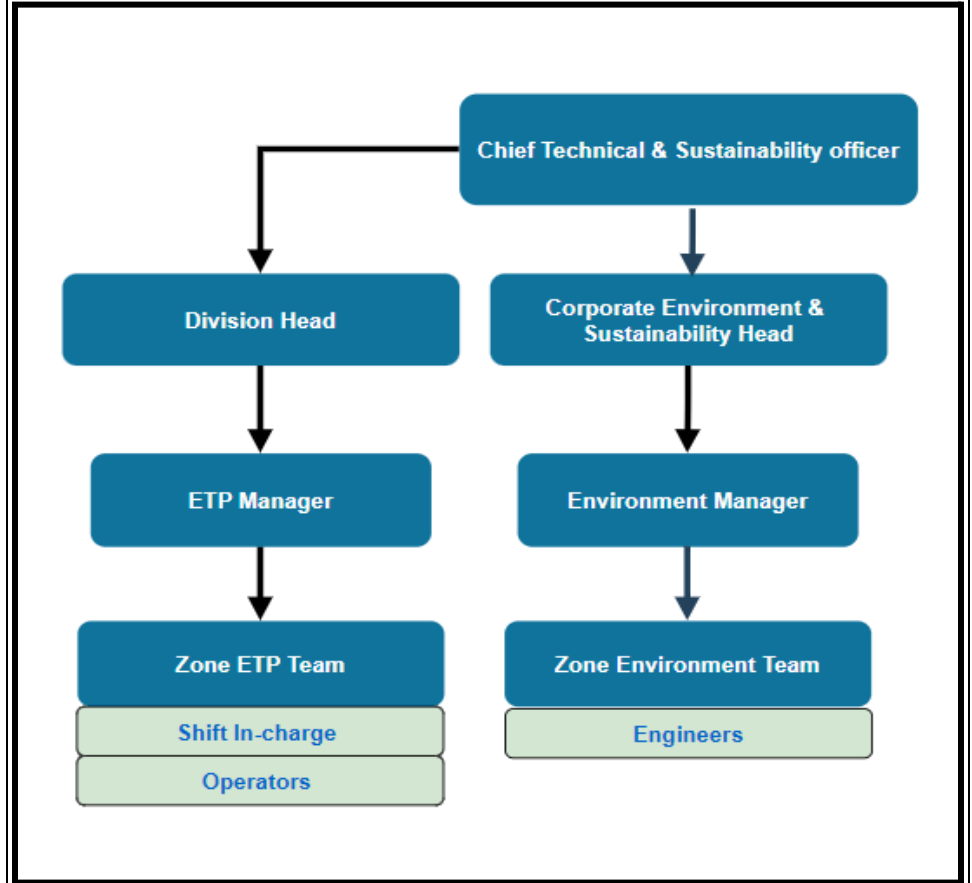
		Insurance Act, 1991 along with their amendments and rules. PLI policy attached as Annexure-31
136	The project proponent shall comply with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.	Complied
137	The project management shall ensure that the unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as prepared by project proponent.	Noted and Complied
138	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well GRI along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not for any other purpose.	Complied
139	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA the couples of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Noted. Due to oversight, the advertisement of EC was not published within the stipulated time period. We deeply regret not publishing the advertisement of EC within the stipulated time period.
140	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 soft copies to the regulatory authorities concerned, on 1st June and 1st December of each calendar year.	Complied. Last compliance report was submitted on 25.05.2024 for the period of October-2023 to March-2024 to SPCB & MoEF&CC. Copy of the same is attached herewith as Annexure-30 .
141	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
142	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

		Our unit is adhering to the stipulation made by the Gujarat Pollution Control Board. CC and A compliance report is attached as Annexure-35 .
143	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted
144	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary	Noted
145	The project authorities shall inform the GPCB. Regional Office of McEF 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
146	This environmental clearance is valid for Ten years from the date of issue	Noted
147	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
148	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance canceled.	Noted
B.4 COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION/APPEAL:		
149	Project proponent shall inform all the concerned authorities including Municipal Corporation and District Collector and shall also give wide publicity through advertisement Environment Clearance order accorded minimum two local newspapers within seven days, about the Environmental Clearance order accorded.	Noted
150	Project proponent shall appoint a key person to the organization who shall be responsible for compliance of adhoc conditions fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance Any change in key person shall immediately be informed to SEIAA and all concerned authorities..	Complied Environment Management Unit/Cell is shown below: An experienced environmental engineer holding a BE (Environmental Engineering) degree has been deputed to monitor the environmental management systems along with a supporting zonal team of 4 Environmental Engineers and a Manager. A centralized environment cell stationed at the Corporate office headed by a Vice President under a team of Chief Manager, Senior Manager and 4 engineers who drives and monitors environment policy and performance.

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

Structure of environment management cell is attached below :



151 Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC GPCB and Nodal Department of the Government.

Complied

Last half yearly compliance report for the period of Oct 2022 to March 2024 submitted on the date of 25th May, 2024.

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

152	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
153	In case of violation reported upon, the project proponent shall be responsible for all the legal actions as par Environment Protection Act 1986 including SEIAA may cancel, withdraw or keep in abeyance, the Environment Clearance accorded.	Noted
154	Any person including the project proponent affected by this Environment Clearance order may file an 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 prescribed under section 16 of National Green Tribunal Act 2010.	Noted
155	All complaints and public grievances or representations may be addressed to SEIAA/SEAC in the email addresses (a) mase aagi@gmail com& (b) seacgujarat@gmail.com.	Noted

M/s. Aarti Industries Limited, Plot no. Z/103/H, GIDC Estate, Dahej SEZ-II, Dist.Bharuch.

<p>i.</p>	<p><u>Condition No. 12 shall now be read as under:</u> 12. Unit shall not exceed fuel consumption for TFH, steam boiler, furnace and stand by DG set as mentioned below:</p> <table border="1" data-bbox="215 338 1011 1354"> <thead> <tr> <th>Sr. No.</th> <th>Stack attached to</th> <th>Type of fuel</th> <th>Quantity</th> <th>Stack height in meters</th> <th>APCM</th> <th>Parameters</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Boiler-I Capacity-20 TPH</td> <td>Coal</td> <td>3333.3 Kg/Hr.</td> <td rowspan="2">42 (Common chimney with Boiler)</td> <td rowspan="2">ESP</td> <td rowspan="6">SPM SO₂ NO_x</td> </tr> <tr> <td>2</td> <td>Thermic Fluid Heater Capacity-20 Lac. Kcal/Hr.</td> <td>Natural Gas</td> <td>187.5 Kg/Hr.</td> </tr> <tr> <td>3</td> <td>D.G. Set Capacity -1000 KVA</td> <td>Diesel</td> <td>270 Lit/Hr.</td> <td>11 Dia:220 mm</td> <td></td> </tr> <tr> <td>4</td> <td>D.G. Set Capacity -1000 KVA</td> <td>Diesel</td> <td>270 Lit/Hr.</td> <td>11 Dia:220 mm</td> <td></td> </tr> <tr> <td>5</td> <td>Ethlation Furnace Vent</td> <td>Coal</td> <td>150 Kg/Hr.</td> <td>42</td> <td>Wet Scrubber</td> </tr> <tr> <td>6</td> <td>Boiler-II Capacity-67 TPH</td> <td>Coal</td> <td>310 MT/Day.</td> <td>45 Dia:1400 mm</td> <td>ESP+ Lime dosing</td> </tr> </tbody> </table>	Sr. No.	Stack attached to	Type of fuel	Quantity	Stack height in meters	APCM	Parameters	1	Boiler-I Capacity-20 TPH	Coal	3333.3 Kg/Hr.	42 (Common chimney with Boiler)	ESP	SPM SO ₂ NO _x	2	Thermic Fluid Heater Capacity-20 Lac. Kcal/Hr.	Natural Gas	187.5 Kg/Hr.	3	D.G. Set Capacity -1000 KVA	Diesel	270 Lit/Hr.	11 Dia:220 mm		4	D.G. Set Capacity -1000 KVA	Diesel	270 Lit/Hr.	11 Dia:220 mm		5	Ethlation Furnace Vent	Coal	150 Kg/Hr.	42	Wet Scrubber	6	Boiler-II Capacity-67 TPH	Coal	310 MT/Day.	45 Dia:1400 mm	ESP+ Lime dosing	<p>Complied</p> <p>Unit has not exceeded the fuel consumption for TFH, steam boiler, furnace and stand by DG set.</p> <p>The details of fuel consumption data given as month wise. (last six months)</p> <table border="1" data-bbox="1065 531 1568 999"> <thead> <tr> <th>Month</th> <th>Coal (MT/Day)</th> <th>Natural Gas (Kg/Hr.)</th> <th>Diesel (Lit./Hr.)</th> </tr> </thead> <tbody> <tr> <td>April 2024</td> <td>61.4</td> <td>31.2</td> <td>0.3</td> </tr> <tr> <td>May 2024</td> <td>84</td> <td>35</td> <td>0.4</td> </tr> <tr> <td>June 2024</td> <td>131.2</td> <td>22.5</td> <td>0.3</td> </tr> <tr> <td>July 2024</td> <td>147.3</td> <td>19.1</td> <td>2.4</td> </tr> <tr> <td>August 2024</td> <td>161.7</td> <td>36.6</td> <td>0.3</td> </tr> <tr> <td>September 2024</td> <td>160.5</td> <td>38.2</td> <td>0.3</td> </tr> </tbody> </table>	Month	Coal (MT/Day)	Natural Gas (Kg/Hr.)	Diesel (Lit./Hr.)	April 2024	61.4	31.2	0.3	May 2024	84	35	0.4	June 2024	131.2	22.5	0.3	July 2024	147.3	19.1	2.4	August 2024	161.7	36.6	0.3	September 2024	160.5	38.2	0.3
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<p>ii.</p>	<p><u>Condition No. 13 shall now be read as under:</u> 13. Unit shall provide adequate APCM with flue gas generation sources as mentioned above:</p>	<p>Complied</p> <p>Unit has provided ESP and lime dosing provision as APCM to the boilers.</p>																																																																						
<p>iii.</p>	<p><u>Condition No: 14, 15 and 16 shall be considered as null and void.</u></p> <p>Rest of all the conditions of the Environment Clearance orders no SEIAA/GUJ/EC/5(f)/171/2013 dated 05/07/2013 shall remain unchanged.</p>	<p>Noted and Complied</p>																																																																						



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A) CCA NO: AWH-112729

NO: GPCB/BRCH-B/CCA-178(3)/ID-41201/_____

DT: ___/06/2021

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

And whereas Board has received consolidated application dated 04/03/2021 and inward no. 191654 for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts, Consolidated Consent & Authorization is hereby granted as under.

CONSOLIDATED CONSENT AND AUTHORISATION: (Under the provisions / rules of the aforesaid Environmental Acts)

To,
M/S. AARTI INDUSTRIES LTD
PLOT NO: Z/103/H,
DAHEJ-SEZ II,
TA- VAGRA, DIST:- BHARUCH.

1. Consent Order No. : AWH- 112729, date of Issue 06/05/2021.
2. The consent under Water Act -1974, Air Act - 1981 and Authorization under Environment (Protection) Act, 1986 shall be valid up to 19/05/2028 to operate industrial plant to manufacture following products:

Sr. No.	Products	Quantity (MT/Month)
1	Ethylation and Propylation Product	1500 MT/Month

Specific conditions:

- a) Unit shall comply with all the conditions stipulated by SEIAA in the order of Environment Clearance issued vide letter no. SEIAA/GUJ/EC/5(F)/173/2013 dated 02/07/2013 and subsequent EC amendment dated 10/04/2019.
- b) Unit shall maintain ZLD.
- c) Unit shall sell out their hazardous waste to authorized end-users who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized end-users and submit MoU.
- d) All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & there after it shall be disposed through other option.
- e) Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.

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- f) Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline.
- g) Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.
- h) Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.
- i) Unit shall install online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH.

3. CONDITION UNDER THE WATER ACT:

3.1 There shall be **no discharge** of the industrial effluent from the manufacturing process and other ancillary industrial operations, **Hence the unit shall strictly adhere to zero discharge.**

3.2 The quantity of total water consumption shall not exceed **1250 KL/Day** as per below break up as mentioned in form D submitted for consent application under Water Act-1974.

- a) Domestic: 7 KL/Day
- b) Industrial: 1225 KL/Day
- c) Gardening: 18 KL/Day

3.3 The quantity of total waste water generation shall not exceed **165.4KL/Day** as per below break up as mentioned in form D submitted for consent application under Water Act-1974.

- a) Domestic: 7 KL/Day
- b) Industrial: 158.4KL/Day

3.4 Mode of disposal of wastewater:

- a) Unit shall provide adequate capacity of ETP followed by RO, MEE and ATFD to achieve zero liquid discharge, hence unit shall maintain ZLD.
- b) Sewage shall be treated separately in Sewage Treatment Plant (STP) to conform the following standards and treated sewage shall be utilized on land for irrigation / plantation.

Sr. No.	PARAMETERS	PERMISSIBLE LIMIT
1	Biochemical Oxygen Demand, BOD ₅ , 27° C	20 mg/L
2	Total Suspended Solids (TSS)	30 mg/L
3	Total Residual Chlorine	Minimum 0.5 ppm

3.5 Unit shall affix of water meters for the purpose of measuring and recording the quantity of water consumed at such places as may be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the unit until the contrary is proved.

3.6 The GIDC drainage connection given by the GIDC for discharge of industrial effluent shall be disconnected & the outlet shall be sealed.

3.7 Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be treated along with industrial effluent.



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- 3.8 In case of incinerators, the flow measuring devices for mother liquor/ toxic effluent/ Non-biodegradable effluent, light diesel oil, Furnace oil, etc. i.e. fuel used for combustion, air used for combustion shall be separately provided. Incinerator temperature recording devices as well as gaseous flow measuring devices for scrubber shall also be provided. These data of temperature & flow should be recorded every day & submitted to GPCB on monthly basis.
- 3.10 The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environment safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell / Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issued. These Cells also coordinate the exercise of environmental audit and preparation of environmental statements.
- 3.11 The Environmental audit shall be carryout yearly, if applicable. The environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year.
- 3.12 The Board reserves the right to review and/or revoke the consent and / or make modifications in the conditions which it seems fit in accordance with provisions of Water Act-1974.

4. CONDITIONS UNDER THE AIR ACT:

- 4.1 The following shall be used as fuel:

Sr. No.	Name of fuel	Quantity
1.	Coal	390 MT/Day
2.	Natural Gas	187.5 Kg/Hr
3.	Diesel	840 Lit./Hr

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

Stack No.	Stack attached to	Capacity	Stack Height in Meter (From G.L.)	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
1.	Boiler -1	14 TPH (for Phase -1)	42 (Common chimney with Boiler)	ESP+ Lime dosing along with Coal	PM SO ₂ NO _x	150 mg/Nm ³ 100 ppm 50 ppm
2.	Thermic Fluid Heater	6 Lac Kcal/Hr				
3.	D.G. Set (02 No's)	1000 KVA	30	--		
4.	Boiler -II	67 TPH	76	ESP + Lime dosing along with Coal		

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5.	D.G. Set	1500 KVA	30	--		
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Note:- Steam shall be sent to sister concern unit M/s Aarti Industries Limited (U-II), Dahej, SEZ II (ID-58381) and M/s Aarti Industries Limited (U-III), Dahej, SEZ II (ID-62935) and condensate sent back to the same unit

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

Stack No.	Stack attached to	Stack Height in Meter (From G.L.)	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
1.	Reactor (Natural Gas Consumption 5 Kg per hr. For flaring)	18	--	--	--
2.	Scrubber attached to Hydrolysis Process	11	Caustic Scrubber	HCl	20 mg/nm ³

- 4.4 The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.

Sr. No.	Parameters	Permissible Limit (microgram /m ³)	
		Annual	24 Hours Average
1.	Particulate Matter (PM ₁₀)	60	100
2.	Particulate Matter (PM _{2.5})	40	60
3.	Oxides of Sulphur (SO _x)	50	80
4.	Oxides of Nitrogen (NO _x)	40	80

- Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
 - 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.
- 4.5 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.
- 4.6 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.
- 4.7 Unit shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.



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4.8 Unit shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

4.9 All efforts shall be made to control VOC emissions and odor problem, if any.

5 GENERAL CONDITIONS: -

5.1 In case of change of ownership/ management the name and address of the new ownership/ partners/ directors/ proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form/ order should immediately be intimated to this Board.

5.2 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.

5.3 Unit shall put up at the entrance a board displaying the name of unit, particulars of the products/ process and the name of proprietor/partners /directors of the unit and the electricity consumer number as on the record of DGVCL.

6. AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6(2)).

6.1 Number of authorization: AWH- 112729, date of Issue 06/05/2021.

6.2 M/s. AARTI INDUSTRIES LTD is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at PLOT NO: Z/103/H, DAHEJ-SEZ II, TA- VAGRA, DIST:- BHARUCH.

Sr. No.	Name of Haz. Waste	Category Number	Quantity in MT/Year	Facility
1	ETP sludge + MEE Salt	35.3	482	Collection, storage, transportation, disposal at common TSDF site
2	Used oil/spent oil	5.1	9	Collection, storage, transportation, disposal by selling out to registered recyclers/reprocessors
3	Discarded Container	33.1	6.2	Collection, Storage, Transportation, Decontamination & Sale to GPCB approved decontamination facility/co-processing.
4	Process waste(Residue)	26.1	600	Collection, storage, transportation, disposal at common incinerator facility/ Co-processing
5	Spent Catalyst	26.5	0.12	Collection, storage, transportation, disposal by selling out to registered recyclers
6	Aluminium Hydroxide	26.1	12168	Collection, storage, transportation, disposal to authorised End User

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	Al(OH) ₃			industry having permission under rule-9 after making MoU /co-processing
7	Non Recycle Plastic Waste, PPE's & insulation waste /Cotton waste	33.1	20	Collection, storage, transportation, disposal by selling to authorized reprocessors/recyclers or TSDF/co-processing
8	Spent Carbon	26.1	20	Collection, storage, transportation, disposal at common incinerator facility/ Co-processing
9	Off-specification product	26.1	12	Collection, storage, transportation, disposal at common incinerator facility/ Co-processing.

OTHER WASTE:

Sr. No.	Name of Haz. Waste	Quantity	Facility
1	Fly Ash	32 MT/Day	Collection, storage, transportation, disposal by selling to authorized reprocessors/recyclers.
2	RO Membrane/ Cartridge Filter	4 MT/Year	Collection, storage, transportation, disposal at common TSDF site
3	Battery waste	5 MT/Year	Collection, storage, transportation, disposal by selling to authorized reprocessors/recyclers
4	E Waste	5 MT/Year	Collection, storage, transportation, disposal by selling to authorized reprocessors/recyclers
5	Glass waste	10 MT/Year	Collection, Storage, Transportation, disposal /sold to reprocessors

6.3 The authorization is granted to operate a facility as above.

6.4 The authorization shall be in force for a period up to **19/05/2028**.

6.5 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

7. TERMS AND CONDITIONS OF AUTHORISATION:

7.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

7.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Gujarat Pollution Control Board.

7.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.

7.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.



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- 7.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
- 7.6 The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- 7.7 It is the duty of the authorised person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- 7.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 7.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 7.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 7.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if, any.
- 7.12 An application for the renewal of an authorization shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016.
- 7.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 7.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 7.15 Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14th October 2003.
- 7.16 Unit shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.
- 7.17 Unit shall have to manage used or spent oil; empty or discarded barrels / containers / liners contaminated with hazardous chemicals / wastes, process waste as per Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986 and shall apply Authorization for all applicable waste.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(P.B.PATEL)
DY. ENVIRONMENT ENGINEER

Outward No:592461,15/06/2021

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INDUSTRIES LTD, DAHEJ

INSTRUMENTATION DEPARTMENT

LIST OF GAS DETECTORS

SR NO	TAG	SERIAL NUMBER	TYPE OF INSTRUMENT	LOCATION	MAKE	MODEL	INST RANGE	CALIBRATION RANGE
1	DHJ1-ETD001	02100D3319/01	Ethylene gas detector	Hydrolysis reactor	Tritech	FL-XT	0-100% LEL	0-100% LEL
2	DHJ1-ETD002	02100D3320/01	Ethylene gas detector	Catalyst reactor bottom	Tritech	FL-XT	0-100% LEL	0-100% LEL
3	DHJ1-ETD003	02100D3150/03	Ethylene gas detector	Ethylene gas compressor	Tritech	FL-XT	0-100% LEL	0-100% LEL
4	DHJ1-ETD004	02100D3150/01	Ethylene gas detector	Buss section 2nd floor	Tritech	FL-XT	0-100% LEL	0-100% LEL
5	DHJ1-ETD005	02100N3150/02	Ethylene gas detector	Buss section 1st floor	Tritech	FL-XT	0-100% LEL	0-100% LEL
6	DHJ1-ETD006	02100D4063/01	Ethylene gas detector	Ethylene gas compressor	Tritech	FL-XT	0-100% LEL	0-100% LEL
7	DHJ1-ETD007	02100D4063/02	Ethylene gas detector	Ethylene gas compressor	Tritech	FL-XT	0-100% LEL	0-100% LEL
8	DHJ1-ETD008	02100D5844	Ethylene gas detector	2T-0205 Top Vent	Tritech	FL-XT	0-100% LEL	0-100% LEL
9	DHJ1-ETD009	D6002/01	Ethylene gas detector	Near P-2204 Reaction Pump	Tritech	FL-XT	0-100% LEL	0-100% LEL
10	DHJ1-NGD001	02100D3319/02	Natural gas detector	Boiler thermopack	Tritech	FL-XT	0-100% LEL	0-100% LEL
11	DHJ1-NGD002	02100D3320/03	Natural gas detector	Boiler thermopack	Tritech	FL-XT	0-100% LEL	0-100% LEL
12	DHJ1-NGD003	D3320/02	Natural gas detector	Flare area	Tritech	FL-XT	0-100% LEL	0-100% LEL
13	DHJ1-2GD-0203	48050D6969/01	VOC Meter	VOC Meter 1st Floor MEA	Tritech	2X-TX	0-100% LEL	0-100% LEL
14	DHJ1-2GD-0204	728/C/23	VOC Meter	OT P-1045	Tritech	2X-TX	0-100% LEL	0-100% LEL
15	DHJ1-2GD-0205	31/A/23	VOC Meter	T-1075	Tritech	2X-TX	0-100% LEL	0-100% LEL
16	DHJ1-2GD-0206	710/C/23	VOC Meter	T-1044	Tritech	2X-TX	0-100% LEL	0-100% LEL
17	DHJ1-2GD-0207	714/C/23	VOC Meter	T-1050	Tritech	2X-TX	0-100% LEL	0-100% LEL
18	DHJ1-1GD-0202	48050D6969/02	VOC Meter	VOC Meter Tanker Unloading Area	Tritech	2X-TX	0-100% LEL	0-100% LEL
19	2GD-0202	D6968	Ethylene gas detector	BUSS VENT CONDENSOR	Tritech	FL-Xt	0-100 % LEL	0 TO 100 %
20	Spare	02100D7274/01	Ethylene Gas Detector/TX		Tritech	FL-XT	0-100% LEL	0-100% LEL
21	Spare	02100D7274/02	Ethylene Gas Detector/TX		Tritech	FL-XT	0-100% LEL	0-100% LEL
22	DHJ1-GMS004		Multichannel Gas Monitor	DCS control room	Tritech	TM-800	0-100% LEL	0-100% LEL
23	DHJ1-GMS001	02100D3318	Multichannel Gas Monitor	Boiler control room	Tritech	GAZCHAMP-EX	0-100% LEL	0-100% LEL
24	DHJ1-GMS002	02100D3144	Multichannel Gas Monitor	DCS control room	Tritech	GAZCHAMP-EX	0-100% LEL	0-100% LEL

SR.	GAS TYPE	LEL%	UEL%
1	ETHELENE	2.7	36
2	HYDROGEN	4	75

4550388339
4550388339

3	NATURAL GAS(METHANE98% + ETHANE2%)	5	17
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Prepared By		Approved By	
Name:		Name:	
Sign:		Sign:	
Date:		Date:	

Cross sensitivity of Methane	1
Cross sensitivity of Ethylene	0.71
Formula	(1/0.71)*50%
Calibrated value	70.40%

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: April - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195, Gujarat, India
Phone : +91 260 2413956 / 2425610
Email : response@uem.in Website : www.uerl.in

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Laboratory (under the EPA 1986 (3)73/2017-2021 to 22.05.2024)

QC-NABET Accredited EA & SW
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED. (Unit-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : April-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/04/AIL-1/A-001

Report Issue Date: 03/05/2024

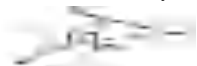
Location : AAQM 1 : Near Main Gate (Lat. N 21.685113, Long. E 72.544891)

Instrument - RDS: (Sr. No. 232-I-2019) & FPS: (Sr. No. 263-I-2019)

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	03/04/2024	74	22	16.3	22.3
2	04/04/2024	78	27	15.1	29.4
3	11/04/2024	71	21	12.4	16.8
4	12/04/2024	69	23	15.6	20.1
5	18/04/2024	72	24	11.0	16.5
6	19/04/2024	79	29	12.6	19.2
7	23/04/2024	67	22	13.5	18.2
8	24/04/2024	71	24	16.1	21.3
Max.		79	29	16.3	29.4
Min.		67	21	11.0	16.5
98th Percentile		78.9	28.7	16.3	28.4
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-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : April-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/04/AIL-1/A-002

Report Issue Date: 03/05/2024

Location : AAQM-2 : Near ETP Plant (Lat. N 21.682164, Long. E 72.550906)

Instrument - RDS (Sr.No. 190303U005) & FPS (Sr.No. 190202U006)

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	03/04/2024	81	31	22.1	20.1
2	04/04/2024	75	25	21.5	18.5
3	11/04/2024	78	27	16.4	21.6
4	12/04/2024	71	21	19.3	19.7
5	18/04/2024	74	23	17.4	22.4
6	19/04/2024	75	27	18.2	18.6
7	23/04/2024	79	25	17.4	21.0
8	24/04/2024	80	22	19.3	20.7
Max.		81	31	22.1	22.4
Min.		71	21	16.4	18.5
98th Percentile		80.9	30.4	22.0	22.3
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-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : April-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/04/AIL-1/A-003

Report Issue Date: 03/05/2024


Location : AAQM-3 : Near Plant Office (Lat. N 21.681326, Long. E 72.550520)

Instrument: RDS (Sr.No. 22905-DTG-2018) & FPS (Sr.No. 112-DTG-2012)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	Sox µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/04/2024	70	21	15.3	18.7
2	04/04/2024	69	19	18.4	21.3
3	11/04/2024	71	23	13.2	22.6
4	12/04/2024	68	20	15.4	21.4
5	18/04/2024	71	22	17.2	17.8
6	19/04/2024	77	21	11.5	19.2
7	23/04/2024	69	23	13.2	21.4
8	24/04/2024	73	26	12.9	18.7
Max.		77	26	18.4	22.6
Min.		68	19	11.5	17.8
98th Percentile		76.4	25.6	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)

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: May - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195, Gujarat, India
Phone : +91 260 2413956 / 2425610
Email : response@uem.in Website : www.uerl.in

MSEB/C.C. (GOI) Recognized Environmental
Laboratory (under the EPA 1986 (3) (3) 2021 to 22.05.2024)

QC-NABET Accredited EA & ISW
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED. (Unit-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : May-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/05/AIL-1/A-001

Report Issue Date: 01/06/2024

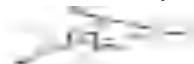
Location : AAQM 1 : Near Main Gate (Lat. N 21.685113, Long. E 72.544891)

Instrument - RDS: (Sr. No. 232-I-2019) & FPS: (Sr. No. 263-I-2019)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SOx µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2024	82	30	16.8	21.5
2	03/05/2024	75	24	14.8	20.3
3	09/05/2024	72	21	13.2	16.2
4	10/05/2024	78	26	15.6	19.5
5	14/05/2024	75	25	13.9	20.8
6	15/05/2024	80	28	14.2	18.5
7	21/05/2024	82	27	15.1	21.4
8	22/05/2024	68	22	16.3	22.6
9	28/05/2024	70	24	13.3	16.9
10	29/05/2024	77	26	14.8	20.2
Max.		82	30	16.8	22.6
Min.		68	21	13.2	16.2
98th Percentile		82.0	29.6	16.7	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-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : May-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/05/AIL-1/A-002

Report Issue Date: 01/06/2024

Location : AAQM-2 : Near ETP Plant (Lat. N 21.682164, Long. E 72.550906)

Instrument - RDS (Sr.No. 190303U005) & FPS (Sr.No. 190202U006)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2024	74	26	15.2	19.3
2	03/05/2024	80	28	16.1	22.5
3	09/05/2024	75	24	12.4	17.2
4	10/05/2024	74	23	16.6	20.6
5	14/05/2024	82	27	15.3	19.4
6	15/05/2024	78	25	13.8	18.3
7	21/05/2024	75	23	17.1	22.1
8	22/05/2024	70	22	14.6	19.9
9	28/05/2024	81	25	15.8	20.2
10	29/05/2024	72	23	16.5	21.7
Max.		82	28	17.1	22.5
Min.		70	22	12.4	17.2
98th Percentile		81.8	27.8	17.0	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-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : May-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/05/AIL-1/A-003

Report Issue Date: 01/06/2024

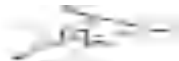
Location : AAQM-3 : Near Plant Office (Lat. N 21.681326, Long. E 72.550520)

Instrument: RDS (Sr.No. 22905-DTG-2018) & FPS (Sr.No. 112-DTG-2012)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	Sox µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2024	76	0	13.2	18.5
2	03/05/2024	72	23	14.5	19.3
3	09/05/2024	70	21	15.3	20.8
4	10/05/2024	69	20	12.8	17.6
5	14/05/2024	66	18	16.6	21.4
6	15/05/2024	70	22	16.1	20.2
7	21/05/2024	72	20	14.8	18.7
8	22/05/2024	74	23	13.2	20.2
9	28/05/2024	68	19	14.1	18.6
10	29/05/2024	74	25	15.8	22.6
Max.		76	25	16.6	22.6
Min.		66	0	12.8	17.6
98th Percentile		75.6	24.6	16.5	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)

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: June - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195, Gujarat, India
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Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED. (Unit-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : June-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/06/AIL-1/A-001

Report Issue Date: 05/07/2024

Location : AAQM 1 : Near Main Gate (Lat. N 21.685113, Long. E 72.544891)

Instrument - RDS: (Sr. No. 232-I-2019) & FPS: (Sr. No. 263-I-2019)

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	03/06/2024	63	20	14.3	17.4
2	04/06/2024	65	18	15.6	19.5
3	10/06/2024	62	19	12.5	15.7
4	11/06/2024	71	22	13.2	20.4
5	17/06/2024	66	21	14.7	18.3
6	18/06/2024	61	18	15.1	16.4
7	24/06/2024	60	20	12.7	17.3
8	25/06/2024	63	19	13.2	14.8
Max.		71	22	15.6	20.4
Min.		60	18	12.5	14.8
98th Percentile		70.3	21.9	15.5	20.3
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-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : June-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/06/AIL-1/A-002

Report Issue Date: 05/07/2024

Location : AAQM-2 : Near ETP Plant (Lat. N 21.682164, Long. E 72.550906)

Instrument - RDS (Sr.No. 190303U005) & FPS (Sr.No. 190202U006)

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	03/06/2024	72	19	14.7	18.6
2	04/06/2024	68	21	15.2	20.4
3	10/06/2024	66	22	16.3	21.6
4	11/06/2024	69	25	12.7	22.1
5	17/06/2024	70	23	13.4	19.7
6	18/06/2024	62	24	14.2	16.8
7	24/06/2024	64	20	12.3	17.4
8	25/06/2024	66	18	16.4	18.8
Max.		72	25	16.4	22.1
Min.		62	18	12.3	16.8
98th Percentile		71.7	24.9	16.4	22.0
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED. (Unit-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : June-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/06/AIL-1/A-003

Report Issue Date: 05/07/2024

Location : AAQM-3 : Near Plant Office (Lat. N 21.681326, Long. E 72.550520)

Instrument: RDS (Sr.No. 22905-DTG-2018) & FPS (Sr.No. 112-DTG-2012)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	Sox µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/06/2024	73	24	13.5	19.6
2	04/06/2024	65	21	14.2	21.2
3	10/06/2024	69	18	15.8	23.1
4	11/06/2024	71	20	16.2	22.5
5	17/06/2024	64	19	12.8	19.3
6	18/06/2024	60	23	13.3	17.8
7	24/06/2024	62	22	14.7	16.6
8	25/06/2024	59	21	15.1	20.4
Max.		73	24	16.2	23.1
Min.		59	18	12.8	16.6
98th Percentile		72.7	23.9	16.1	23.0
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)

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: July - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195, Gujarat, India
Phone : +91 260 2413956 / 2425610
Email : response@uem.in Website : www.uerl.in

MSEB/C.C. (GOI) Recognized Environmental
Laboratory (under the EPA 1986 (3) (3) 2021 to 22.09.2024)

QC-NABET Accredited EA & SW
Consultant Organization

QPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED. (Unit-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : July-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/07/AIL-1/A-001

Report Issue Date: 05/08/2024

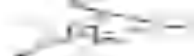
Location : AAQM 1 : Near Main Gate (Lat. N 21.685113, Long. E 72.544891)

Instrument - RDS: (Sr. No. 232-I-2019) & FPS: (Sr. No. 263-I-2019)

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	03/07/2024	68	22	14.2	18.5
2	04/07/2024	70	24	15.1	21.4
3	12/07/2024	75	24	14.8	20.3
4	13/07/2024	72	21	13.2	16.2
5	17/07/2024	78	26	15.6	19.5
6	18/07/2024	75	25	13.9	20.8
7	26/07/2024	65	23	16.3	22.6
8	27/07/2024	72	25	13.3	16.9
9	30/07/2024	68	22	15.2	20.5
10	31/07/2024	72	24	16.3	21.5
Max.		78	26	16.3	22.6
Min.		65	21	13.2	16.2
98 th Percentile		77.5	25.8	16.3	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-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : July-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/07/AIL-1/A-002

Report Issue Date: 05/08/2024

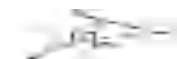
Location : AAQM-2 : Near ETP Plant (Lat. N 21.682164, Long. E 72.550906)

Instrument - RDS (Sr.No. 190303U005) & FPS (Sr.No. 190202U006)

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	03/07/2024	70	22	13.8	18.3
2	04/07/2024	81	25	17.1	22.1
3	12/07/2024	80	28	16.1	22.5
4	13/07/2024	75	24	12.4	17.2
5	17/07/2024	74	23	16.6	20.6
6	18/07/2024	82	27	15.3	19.4
7	26/07/2024	72	24	14.6	19.9
8	27/07/2024	78	25	15.8	20.2
9	30/07/2024	75	23	16.1	21.3
10	31/07/2024	74	25	17.5	22.3
Max.		82	28	17.5	22.5
Min.		70	22	12.4	17.2
98th Percentile		81.8	27.8	17.4	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-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : July-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/07/AIL-1/A-003

Report Issue Date: 05/08/2024

Location : AAQM-3 : Near Plant Office (Lat. N 21.681326, Long. E 72.550520)

Instrument: RDS (Sr.No. 22905-DTG-2018) & FPS (Sr.No. 112-DTG-2012)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	Sox µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	03/07/2024	74	23	16.1	20.2
2	04/07/2024	68	19	14.8	18.7
3	12/07/2024	72	23	14.5	19.3
4	13/07/2024	70	21	15.3	20.8
5	17/07/2024	69	20	12.8	17.6
6	18/07/2024	66	18	16.6	21.4
7	26/07/2024	66	23	13.2	20.2
8	27/07/2024	70	22	14.1	18.6
9	30/07/2024	72	20	14.8	20.4
10	31/07/2024	65	21	15.2	22.4
Max.		74	23	16.6	22.4
Min.		65	18	12.8	17.6
98th Percentile		73.6	23.0	16.5	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.

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: August - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195, Gujarat, India
Phone : +91 260 2413956 / 2425610
Email : response@uem.in Website : www.uerl.in

MSEB/C.C. (GOI) - Recognized Environmental
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Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED. (Unit-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : August-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/08/AIL-1/A-001

Report Issue Date: 05/09/2024

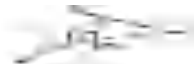
Location : AAQM 1 : Near Main Gate (Lat. N 21.685113, Long. E 72.544891)

Instrument - RDS: (Sr. No. 232-I-2019) & FPS: (Sr. No. 263-I-2019)

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	08/08/2024	66	19	15.1	18.2
2	09/08/2024	70	23	18.2	21.5
3	16/08/2024	72	25	13.1	17.3
4	17/08/2024	75	26	11.8	16.2
5	21/08/2024	72	25	14.3	18.3
6	22/08/2024	68	20	12.3	15.8
7	29/08/2024	74	26	16.6	21.4
8	30/08/2024	68	23	14.5	17.6
Max.		75	26	18.2	21.5
Min.		66	19	11.8	15.8
98th Percentile		74.9	26.0	18.0	21.5
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED. (Unit-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : August-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/08/AIL-1/A-002

Report Issue Date: 05/09/2024

Location : AAQM-2 : Near ETP Plant (Lat. N 21.682164, Long. E 72.550906)

Instrument - RDS (Sr.No. 190303U005) & FPS (Sr.No. 190202U006)

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	08/08/2024	69	22	16.2	17.8
2	09/08/2024	78	26	20.3	21.7
3	16/08/2024	69	24	15.4	19.0
4	17/08/2024	72	25	13.8	19.7
5	21/08/2024	68	23	13.2	17.5
6	22/08/2024	65	19	16.9	20.3
7	29/08/2024	70	23	13.5	16.2
8	30/08/2024	65	20	15.4	19.5
Max.		78	26	20.3	21.7
Min.		65	19	13.2	16.2
98th Percentile		77.2	25.9	19.8	21.5
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

Checked By:



Nikunj D. Patel

(Chemist)

Authorized By:



Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED. (Unit-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : August-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/08/AIL-1/A-003

Report Issue Date: 05/09/2024

Location : AAQM-3 : Near Plant Office (Lat. N 21.681326, Long. E 72.550520)

Instrument: RDS (Sr.No. 22905-DTG-2018) & FPS (Sr.No. 112-DTG-2012)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	Sox µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	08/08/2024	72	24	18.3	23.1
2	09/08/2024	74	25	16.2	19.8
3	16/08/2024	65	22	17.4	22.6
4	17/08/2024	76	26	14.3	20.4
5	21/08/2024	65	21	12.5	18.4
6	22/08/2024	62	18	15.2	19.5
7	29/08/2024	65	20	12.7	18.4
8	30/08/2024	71	24	12.2	20.5
Max.		76	26	18.3	23.1
Min.		62	18	12.2	18.4
98th Percentile		75.7	25.9	18.2	23.0
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)

1.0 AMBIENT AIR QUALITY MONITORING REPORT



Period: September - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 395 195, Gujarat, India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

IQCI-NABET Accredited EA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO : 9001 : 2015
Certified Company

ISO : 45001 : 2018
Certified Company

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED. (Unit-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : September-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/09/AIL-1/A-001

Report Issue Date: 30/09/2024

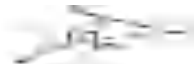
Location : AAQM 1 : Near Main Gate (Lat. N 21.685113, Long. E 72.544891)

Instrument - RDS: (Sr. No. 232-I-2019) & FPS: (Sr. No. 263-I-2019)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/09/2024	78	26	17.7	23.4
2	05/09/2024	72	23	15.8	19.6
3	11/09/2024	77	28	16.7	22.3
4	12/09/2024	76	24	18.1	21.5
5	19/09/2024	74	23	16.4	22.5
6	20/09/2024	69	21	15.7	21.6
7	25/09/2024	79	25	18.1	23.5
8	26/09/2024	71	22	17.5	20.4
Max.		79	28	18.1	23.5
Min.		69	21	15.7	19.6
98th Percentile		78.9	27.7	18.1	23.5
Permissible Limit (As Per NAAQMS)		100	60	80	80

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

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-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : September-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/09/AIL-1/A-002

Report Issue Date: 30/09/2024

Location : AAQM-2 : Near ETP Plant (Lat. N 21.682164, Long. E 72.550906)

Instrument - RDS (Sr.No. 190303U005) & FPS (Sr.No. 190202U006)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO _x µg/m ³	NO _x µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/09/2024	72	23	20.2	26.4
2	05/09/2024	76	25	17.5	21.8
3	11/09/2024	65	20	15.4	19.7
4	12/09/2024	68	22	18.9	22.5
5	19/09/2024	75	24	18.5	21.7
6	20/09/2024	66	21	20.8	24.3
7	25/09/2024	74	26	22.6	26.3
8	26/09/2024	70	23	19.1	23.6
Max.		76	26	22.6	26.4
Min.		65	20	15.4	19.7
98th Percentile		75.9	25.9	22.3	26.4
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-1 Neo)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month : September-2024

DISCIPLINE: CHEMICAL TESTING

NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/24/09/AIL-1/A-003

Report Issue Date: 30/09/2024


Location : AAQM-3 : Near Plant Office (Lat. N 21.681326, Long. E 72.550520)

Instrument: RDS (Sr.No. 22905-DTG-2018) & FPS (Sr.No. 112-DTG-2012)

Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	Sox µg/m ³	NOx µg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/09/2024	74	24	22.6	26.3
2	05/09/2024	70	21	19.1	23.6
3	11/09/2024	72	23	20.2	26.4
4	12/09/2024	75	25	17.5	21.8
5	19/09/2024	65	20	15.4	19.7
6	20/09/2024	62	16	18.3	22.5
7	25/09/2024	66	24	16.3	19.2
8	26/09/2024	70	22	14.8	21.7
Max.		75	25	22.6	26.4
Min.		62	16	14.8	19.2
98th Percentile		74.9	24.9	22.3	26.4
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)

Annexure-I



ગુજરાત ગુજરાત GUJARAT **NOTARY**

AU 189555

NOTARY

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તાલુકા નો જારણ સ્ટેમ્પ
સાચી તારીખ જણાવવાની
૫૫
૨૦૦૬
૬૭
જાણી નર



UNDERTAKING

I Mr.Sandip Parekh DGM-Production(Division Head) of M/s. Anushakti Specialties Limited Liability Partnership having their Admin office at 2nd floor, Udhyog Kshetra, Mulund Goregaon Link Road, Mulund Mumbai - 400 080, and having Factory at plot no.Z/103/H, Dahej SEZ II, Tal. Vagra, Dist. Bharuch, does hereby declare and state as under:

I undertake that the company has no outlet in GIDC underground Drain.

What is stated herein is true to the best of my knowledge and the same I believe to be true.

For, Anushakti Specialties L.L.P.

Sandip Parekh

Sandip Parekh-DGM -Production (Division Head)



JAMA B. KHATRI

Notary (Govt. of India)
Anklshwar & Bharuch
Block No. 4 Room No.39
Gujarat Housing Board
1st Talab, Anklshwa

Date : 18/04/2016



The undersigned does not take any Responsibility for The Contents Produced of the Document. Applicant/Identifier/Witness before me Only

5.0 SOIL ANALYSIS REPORT



Period: May - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



White House,
Near G.I.D.C. Office, Char Rasia,
Vapi-396 196, Gujarat, India.
Phone : +91 260 2433986 / 2425610
Email : response@arti.in Website : www.arti.in

MoEF&CC (G.O.) Recognized Environmental
Laboratory under the EPA-1986 (02/01/2009 to 17/03/2022)

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
Accredited EIA
Consultant Organization

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
Recognized Environmental
Auditor (ECHO/01/001/17)

ISO 9001:2015
Certified Company

ISO 14001:2015
Certified Company

TEST REPORT

ULR No.	--	Report No.	URC /24/06/L-0029
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT	Date of Report	05/06/2024
		Customer's Ref.	--
Sample Details	Soil Sample	Location	Admin Building
Sample Qty.	1 kg.	Appearance	Brown Colour
Sampling Date	31/05/2024	Sample Received Date	01/06/2024
Test Started Date	01/06/2024	Test Completion Date	04/06/2024
Sampled By	Client.	Sampling Method	--
UERL Lab ID. No.	24/06/L-0029		

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	pH	IS: 2720 (Part 26):1987 (RA 2019)	--	9.26
2.	Moisture Content	Lab SOP No. UERL/CHM/LTM/86	%	BDL(MDL:2.0)
3.	Electrical Conductivity	IS: 14767 :2000RA.2016	µs/cm	239.6
4.	Potassium	Lab SOP No. UERL/CHM/LTM/84	mg/kg	146.5
5.	Sodium	Lab SOP No. UERL/CHM/LTM/89	mg/kg	984.1
6.	Total Kjeldahl Nitrogen as N	IS: 14684 :1999	mg/kg	88.4
7.	Cation Exchange Capacity	Lab SOP No. UERL/CHM/LTM/79	meq/100g	26.9
8.	Water Holding Capacity	Lab SOP No. UERL/CHM/SOP/150	ml/100 gm	46
9.	Texture Class	Lab SOP No. UERL/CHM/LTM/108	--	Clay Loam
10.	Available Phosphorus	Lab SOP No. UERL/CHM/SOP/151	mg/kg	751.2
11.	Chloride	Lab SOP No. UERL/CHM/LTM/90	mg/kg	195.9
12.	Sulphate	Lab SOP No. UERL/CHM/SOP/152	mg/kg	21.6
13.	Sodium Absorption Ratio (SAR)	Lab SOP No. ERL/CHM/LTM/85	--	7.5
14.	Available Nitrogen	Lab SOP No. UERL/CHM/LTM/80	mg/kg	54.7

Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit,

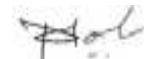
***** End of Report *****

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	--	Report No.	URC /24/06/L-0029
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	05/06/2024
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Test Started Date	01/06/2024	Test Completion Date	04/06/2024
Sampled By	Client.	Sampling Method	--
UERL Lab ID. No.	24/06/L-0029		

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Chemical Oxygen Demand (COD)	APHA 23 rd Ed.,2017,5220-B	mg/kg	16459.1
2.	Colour	--	--	Brown
3.	TOC	--	mg/kg	6172.2
4.	Pesticides	--	µg/kg	Absent
5.	Ammonia	By ISE Meter	mg/kg	N.D.
Particle Size Distribution:				
6.	Sand	Lab SOP No. UERL/CHM/LTM/108	%	15.2
	Silt		%	16.5
	Clay		%	68.3
Note: N.D.: Not Detectable.				

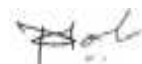
***** End of Report *****

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

List of minimum equipments for OHC (As per OH Element)						Working Condition	
Sr No	Equipment	Required	Aactual	Gap	Remark	Mar 2024	
1	ECG Machine (3 Channel)	1	1			Working	
2	AED Machine	1	1			Working	98
3	Laryngoscope	2	2			Working	98/98
4	Manikins for training	1	1			Working	
5	Manual BP Instrument	2	2			Working	0/98
6	Sphygmomanometer - LED	2	2			Working	0/98
7	Sphygmomanometer - Digital	2	2			Working	
8	Thermometer (Digital)	4	4			Working	
9	Thermometer - IR	2	2			Working	
10	Pulse Oxymeter	4	8			Working	
11	Stethoscope	2	2			Working	
12	Weight Machine (Digital)	2	2			Working	
13	Hight Meter	2	2			Working	
14	Glucometer	2	2			Working	
15	Glucometer Lancet	100	100			YES	
16	Glucometer Strip	25	25			YES	
17	Nebulizer	2	1	1	not required		
18	Suction Machine	1	1			Working	
19	Suction Catheter	2	2			Working	
20	ECG Trolley/Crash Cart	1	1				
21	Peak Flow Meter	2	2			Working	
22	Ambu Bag	4	4			YES	
23	Autoclave Machine	1	1			Working	
24	Electrical sterilizer	1	1				
25	Nasal Airway	2	2			YES	
26	Laryngeal mask airway	2	2			YES	
27	Endo Tracheal Tube	2	2			YES	
28	Hospital Bed	2	2			YES	
29	IV Stand	2	2			YES	
30	Dressing Trolley	1	1			YES	
31	Slide Board	1	1			YES	

List of minimum equipments for OHC (As per OH Element)						Working Condition	
Sr No	Equipment	Required	Aactual	Gap	Remark	Mar 2024	
32	Spot Lamp	1	1				
33	Wheel Chair	1	1			YES	
34	Portable Oxygen Cylinder	4	15			Working	
35	Oxygen Cylinder mask	5	15			YES	
36	Regulater for oxygen cylinder	4	15			Working	
37	Key for Oxygen Cylinder	2	3			Working	
38	Humidifier Bottle for Oxygen Cylinder	4	15			YES	
39	Oxygen Cylinder Trolley	4	4			YES	
40	Vision Box Remote Operated	1	1			Working	
41	Vision Chart - Near/ Distant/ Color	1	1			Working	
42	Portable Stadiometer	1	1			Working	
43	Ishihara Color Vision Book	1	1			YES	
44	X-Ray View Box	1	2			Working	
45	Foldable STRECHER	2	2			YES	
46	Examination Stool	4	4			YES	
47	Spine Board	1	1			YES	
48	Patient Dress	10	10			YES	
49	Refrigerator	1	1			Working	
50	Water Dispenser	1	1			Working	
51	Needle Cutter - Electric/manual	2	1	1	not required	Working	
52	Examination Torch	2	2			Working	
53	Dressing Tray (15" * 12")	1	1			YES	
54	Dressing Tray (12" * 8")	1	1			YES	
55	Dressing Drum (9" * 9")	2	1	1	not required	YES	
56	Kidney Tray (10")	2	2			YES	
57	Kidney Tray (8")	2	2			YES	
58	Chital Forcep	2	2			YES	
59	Curved Artery Forcep	2	2			YES	
60	Straight Artery Forcep	2	2			YES	
61	Tooth Forcep	2	2			YES	
62	Non Tooth Forcep	2	2			YES	

List of minimum equipments for OHC (As per OH Element)						Working Condition	
Sr No	Equipment	Required	Aactual	Gap	Remark	Mar 2024	
63	Magill Forcep	2	2			YES	
64	Needle Holder	2	2			YES	
65	Scalpel Holder	2	2			YES	
66	Surgical Scissor	2	2			YES	
67	SCISSOR	4	4			YES	
68	Tongue Depressor	2	2			YES	
69	Sponge Holder Forcep	2	2			YES	
70	Suture Removal Scissor	2	2			YES	
71	Urine Pot	2	2			YES	
72	Bed Pan	2	2			YES	
73	Eye Wash Bottle	4	5			YES	
74	Measure Tape	2	2			YES	
75	Splint (SA+ LA+SL+LL)	20	20			YES	
76	Patellar Hammer	2	2			YES	
77	Hard Neck Collar	4	4			YES	
78	ENT Set	1	1			YES	
79	Sutures (Ehilon 2-0)	2	2			YES	
80	Sutures (Ehilon 3-0)	2	2			YES	
81	Foleys Catheter	1	1			YES	
82	Diphoterene Kit	1	1			YES	
83	Electric Kettle	1	NA		Not required	Working	
84	Steel tumblers	4	4			YES	
85	Steel Spoon	4	4			YES	
86	Nasogastric Tube	2	2			YES	
87	Nebulizer Mask	2	2			YES	
88	Examination couch with storage	1	1			YES	
89	Portable/ Fixed Screen	1	1			YES	
90	Double Bed Sheet	10	4			YES	
91	Pillow Cover	10	4			YES	
92	Pillow	4	4			YES	
93	Hand Towel	5	5			YES	

List of minimum equipments for OHC (As per OH Element)						Working Condition	
Sr No	Equipment	Required	Acutual	Gap	Remark	Mar 2024	
94	Nepkin	5	2			YES	
95	Blanket	2	4			YES	
96	Apron	4	4			YES	
97	Formalin Camber	1	1			YES	
98	Bed Side Locker	1	1			YES	

BHARUCH MUNICIPALITY - BHARUCH

ભરૂચ નગર પાલિકા, ભરૂચ.

(STD CODE-02642) (O) 220143,241753

જા.નં/ફાયર/ ૧૧૫

તા-૧૫/૧૨/૨૦૧૯

પ્રતિ,

જનરલ મેનેજરશ્રી,

આરતી ઇન્ડસ્ટ્રીઅલ લીમીટેડ,

પ્લોટ નં. Z-૧૦૩/II, સેઝ પાર્ટ-૨, ઇન્ડસ્ટ્રીઅલ એસ્ટેટ,

તા.વાગરા, જી.ભરૂચ, ગુજરાત-૩૯૨૧૩૦

વિષય: ફાયર NOC આપવા બાબત.

સંદર્ભ: આપશ્રીની અરજી તા-૨૫/૧૦/૨૦૧૯

ઉપરોક્ત વિષય અને સંદર્ભ માં જણાવવાનું કે મોજે દહેજ, આરતી ઇન્ડસ્ટ્રીઅલ લીમીટેડ, પ્લોટ નં. Z-૧૦૩/II, સેઝ પાર્ટ-૨, ઇન્ડસ્ટ્રીઅલ એસ્ટેટ, તા.વાગરા, GIDC દહેજ, જીલ્લો.ભરૂચ, ગુજરાત-૩૯૨૧૩૦ની જમીનમાં ઔદ્યોગિક હેતુ માટે કંપનીનું આયોજન કરવામાં આવેલ છે. સદર કંપનીમાં ફાયર સેફ્ટી અંતર્ગત સુવિધાઓ હયાત છે. ઔદ્યોગિક હેતુ માટેની હયાત બિલ્ડીંગના બાંધકામમાં ફાયર અંતર્ગત કરેલ સુવિધાઓ બાબતે માંગેલ NOC સંદર્ભે અત્રેની કચેરી ધ્વારા રીજનલ ફાયર ઓફીસરશ્રી, સુરતનો જરૂરી અભિપ્રાય માંગેલ જે પત્ર નં.૨૩૬, તા.૨૨/૧૦/૨૦૧૯ થી રજુ કરેલ છે તથા પ્રીમાઈસીસમાં રાખવામાં આવેલ ફાયર લગત સાધનોનું ઇન્સ્પેક્શન રીજનલ ફાયર ઓફીસરશ્રી, સુરત ધ્વારા કરવામાં આવેલ છે. જે ચાલુ હાલતમાં અને કાર્યરત છે.

સદર બાંધકામમાં કરવામાં આવેલ ફાયર અંતર્ગત સુવિધાઓ સહિત આ બાંધકામને લગતા કાગળો રજુ કરી ફાયર અંતર્ગત જરૂરી NOC માંગવામાં આવેલી છે. આ કામે અરજદારશ્રી ધ્વારા નીચે મુજબના સાધનિક કાગળો રજુ કરેલ છે.

૧) બિલ્ડીંગના માલિક ધ્વારા ફાયર અંતર્ગત સુવિધાઓ લગાડેલ છે અને ચાલુ કંડીશનમાં છે તે

બાબતનું રીજનલ ફાયર ઓફીસરશ્રી, સુરતનો તા.૨૨/૧૦/૨૦૧૯ નો ઇન્સ્પેક્શન લેટર.

૨) ઔદ્યોગિક હેતુ ઇન્ડસ્ટ્રીઅલ સેફ્ટી અને હેલ્થ ગુજરાત સ્ટેટ અમદાવાદએ મંજૂર કરેલ પ્લાનની નકલ.

૩) રીલાયબલ ફાયર એન્જીન્યરીંગ સર્વિસીસ, સુરતનું ફાયર કન્સલ્ટન્ટનું તા.૦૫/૧૨/૨૦૧૯ નું સ્ટેબીલીટી સર્ટી.

૪) તા. ૨૧/૦૯/૨૦૧૬ નું DASH ગુજરાત સ્ટેટનું ફેક્ટરી વર્ક લાઇસન્સ.


- પ) તા. ૨૧/૦૪/૨૦૧૭ નું પેટ્રોલીયમ એન્ડ એક્સ્પ્લોઝીવ સેફ્ટી ઓર્ગેનાઇઝેશન(PESO)નું લાઇસન્સ.
 ક) ગુજરાત પોલ્યુસન બોર્ડના સર્ટી
 ગ) ફાયર હોઝ રીલ, હુટર, ફાયર પેનલ, હાઈડ્રન્ટ સીસ્ટમ, એમસીપી, ABC Type, Co2 ફાયર એક્સ્ટીંગ્યુસરના ઇન્સ્ટોલ અને ટેસ્ટીંગ રીપોર્ટ.
 ઠ) બિલ્ડીંગ પ્લાન અને ફાયર સીસ્ટમ ડાયાગ્રામ.
 ડ) તા. ૦૬/૦૪/૨૦૧૮ના એચ.એમ.ઈલેક્ટ્રીકલ એન્જીનીયરના રીપોર્ટ.
 ૧૦) કંપનીના ઓન સાઈડ તથા ઓફ સાઈડ ઈમરજન્સી પ્લાનની કોપી
 ૧૧) MSDS કોપી
 ૧૨) સાઇન બોર્ડ
 ૧૩) ફોટોગ્રાફ.

સદર હયાત બાંધકામમાં કરવામાં આવેલ ફાયર સુવિધાઓ બાબતે અત્રેની કચેરીના ફાયર સ્ટ્રફ ધ્વારા સ્થળ નિરીક્ષણ કરવામાં આવેલ છે. સ્થળ સ્થિતિ મુજબ તથા સાધનિક કાગળો મુજબ ફાયર અંતર્ગત આ બાંધકામમાં સુવિધાઓ અરજદારશ્રીના ફાયર કન્સલ્ટન્ટશ્રી રીલાયબલ ફાયર એન્જીન્યરીંગ સર્વિસીસ, સુરત, ધ્વારા NBC પાર્ટ- ૪ને આધિન પુરી પાડવામાં આવેલ છે અને કાર્યરત છે.

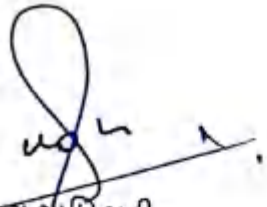
ઉક્ત વિગતોએ નીચે જણાવેલ શરતોને આધીન આ બાંધકામમાં રાખવામાં આવેલ ફાયર સુવિધા બાબતે ફાયર NOC આપવામાં આવે છે.

શરતો:-

- 1) આ NOC ફક્ત ૧ વર્ષ ની મુદત માટે આપવામાં આવે છે. મુદત પૂર્ણ થયે તેને રિન્યુયલ કરવાની રહેશે. અન્યથા આપેલ NOC રદબાતલ ગણાશે.
- 2) હયાત બાંધકામ માં રાખવામાં આવેલ ફાયર અંતર્ગત સુવિધાઓનું વખતોવખત જાળવણી / નિભાવણી રાખવાની રહેશે. આ બાબતે નિયુક્ત કરેલ સ્ટાફ ને કાયમી રીતે રાખવાના રહેશે.
- 3) કોઈ આકસ્મિક બનાવ ન બને તેની સંપૂર્ણ કારજી રાખવાની રહેશે. અને જો કોઈ આકસ્મિક બનાવ બનશે તો તેની સંપૂર્ણ જવાબદારી તમારા શિરે રહેશે.


 ફાયર સુપ્રિટેન્ડન્ટ
 ભરૂચ નગરપાલિકા
 ભરૂચ




 મુખ્ય અધિકારી
 ભરૂચ નગરપાલિકા
 ભરૂચ

**GUJARAT INDUSTRIAL DEVELOPMENT CORPORATION**

A Govt. of Gujarat

Office of the Deputy Executive Engineer, GIDC, Bharuch

Phone No 02642-242432

CONSUMER COPY

Party Name : AARTI INDUSTRIES LIMITED
Address : DAHEJ (SEZ)
GST No. :

Plot No. Z-103/H
Quantity as per GPCB Consent : 1186.5 (KLPD)
Connection given Qty(per day): 1186.5 (KLPD)
Desalination Book Qty: 1000 (KLPD)

Bill No : 190868 **Size(M.M) :** 100 MM **Bill Date :** 14/10/2024 **Category :** OUTSIDER
Bill Month : 09-2024 **Connection No:** 9000061 **Last Date :** 29/10/2024 **Meter Status:** NORMAL

Water Bill**This Month's Charges:-**

Current Reading	:	577035
Previous Reading	:	555118
Consumption (Total)	:	21917
Desal. Consumption	:	21917
Normal Water Consumption	:	0
Rate/1000 Ltr.(Desal.)	:	47.70
Rate/1000 Ltr.(Normal)	:	55.00
Desal Water Usages Charge	:	1,045,441.00
Normal Water Usages Charge	:	0.00
Excess Water Usages Charge	:	0.00
Penalty	:	0.00
Adjustment	:	0.00

This Month's Charges : 1,045,440.90

Your Account Details:-

Outstanding	:	0.00
Interest Rs	:	0.00
Penal Interest Rs	:	0.00
Waiver Interest Rs	:	0.00
Waiver Penal Int.Rs	:	0.00
This Month Charges	:	1,045,440.90
Gross Amount	:	1,045,440.90
Net Amount(Before Last Date)		1,045,441.00

Amount Payable After Last Date

Interst Rs.	:	9,147.61
Penal Interest Rs.	:	0.00
Waiver Interst Rs.	:	0.00
Waiver Penal Int.Rs.	:	0.00
Gross Amount	:	1,054,588.61
Net Amount(After Last date)		1,054,589.00

Your Bill Summary :-

O/S Amount	Interest	Penal Interest	This Month Charges
0.00	0.00	0.00	1,045,440.90

Payable Before 29-10-20241,045,441.00**Payable After 29-10-2024**1,054,589.00**Your Last Bill Pay Summary :-**

Last Bill pay Amount Rs. 963540

Last Bill pay Date : 26-09-2024

Dy. EX. Engineer

G.I.D.C, Bharuch

Drainage Bill**This Month's Charges:-**

Consumption	:	
Rate/1000 Ltr.	:	
Drainage Charge	:	0.00
Penalty	:	0.00
Adjustment	:	0.00

This Month's Charges : 0.00

Your Account Details:

Outstanding	:	0.00
Interest Rs	:	0.00
Penal Interest Rs	:	0.00
Waiver Interest Rs	:	0.00
Waiver Penal Int.Rs	:	0.00
This Month Charges	:	0.00
Gross Amount	:	0.00
Net Amount(Before Last Date)		0.00

Amount Payable After Last Date

Interst Rs.	:	0.00
Penal Interest Rs.	:	0.00
Waiver Interst Rs.	:	0.00
Waiver Penal Int.Rs.	:	0.00
Gross Amount	:	0.00
Net Amount(After Last date)		0.00

Your Bill Summary :-

O/S Amount	Interest	Penal Interest	This Month Charges
0.00	0.00	0.00	0.00

Payable Before 29-10-20240.00**Payable After 29-10-2024**0.00**Your Last Bill Pay Summary :-**

Last Bill pay Amount Rs. 0

Last Bill pay Date :

Dy. EX. Engineer

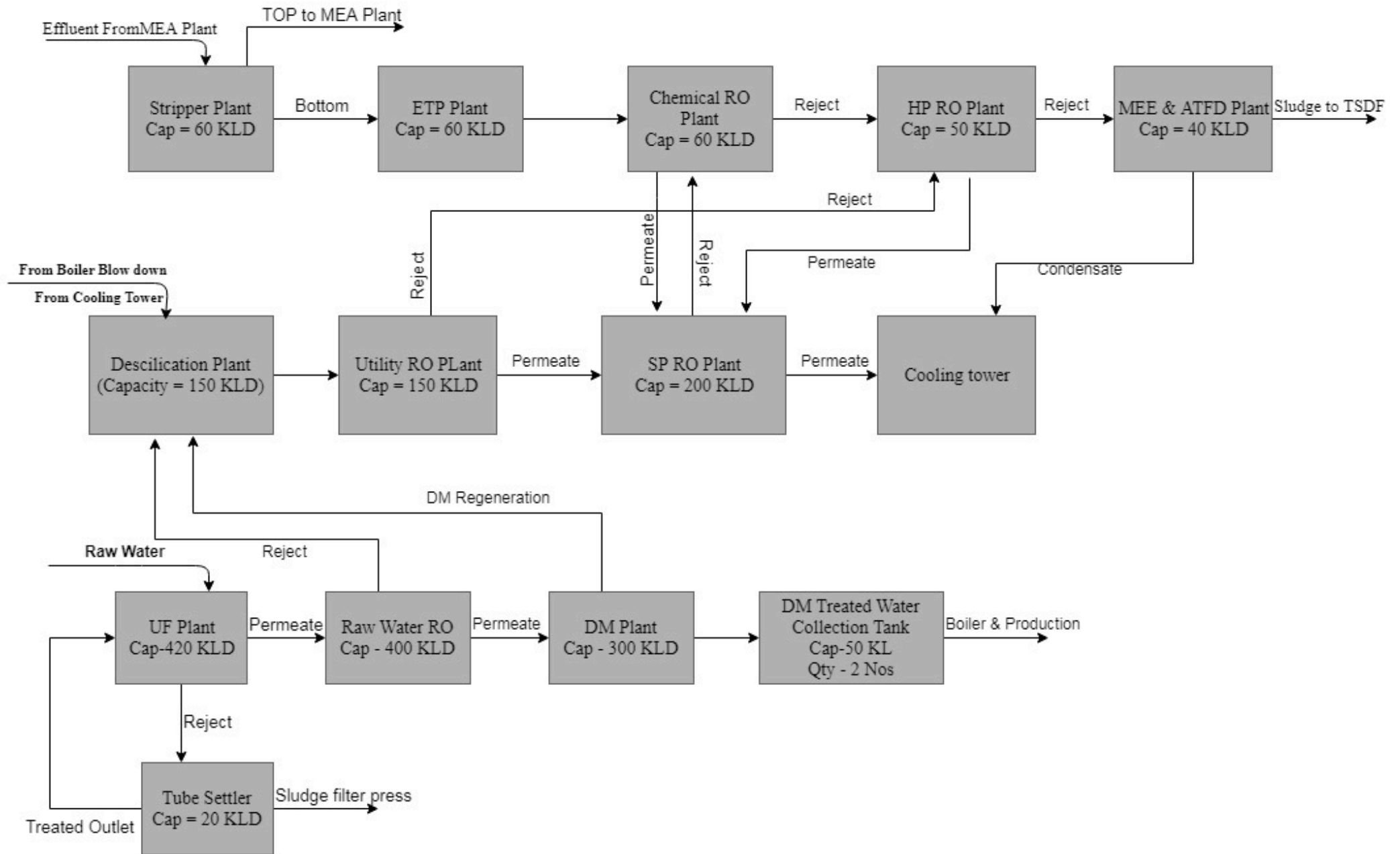
G.I.D.C, Bharuch

Note:- Subject to Verify

1) The Notification No.2/2017 - central Tax (Rate) dated 28-06-2017 exempts water from GST under heading/ sub-heading/ tariff item No.2201

2) As per circular No.GIDC/O&M/CIR/ACC/REC/14 Dated 29/04/2019 only online payments through our website will be accepted. So please pay online through our website:www.gidc.gujarat.gov.in ->Online Payment of dues->User Registration for GG->Water/Drainage Payment->Region->Estate->Water Charges/Drainage Charges->Party Name/Plot No->Click to pay

Printed on :- 18-10-2024 11:22:57



4.0 WATER QUALITY MONITORING REPORT



Period: April - 2024

FOR

M/s. Aarti Industries Limited.

At

Plot No. Z/103/H,
Dahej SEZ-II Tal. Vagara,
Dahej, Gujarat 392130
Dist. Bharuch, Gujarat, India.

Monitoring Organization



White House
Near G.J.D.C. Office, Chir Raste,
Vapi - 396 195, Gujarat, India.
Phone: +91 260 2433968 / 2425610
Email: response@uierl.in Website: www.uierl.in

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (SI.03.2023 (p.22.09.2024))

QC/NABET Accredited BA & GW
Consultant Organisation

CPGE Recognized Environmental
Auditor (Schedule-II)

INC 900:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT

ULR No.	----	Report No.	URC /24/04/L-0195
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	10/04/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	05/04/2024	Sample Received Date	06/04/2024
Test Started Date	06/04/2024	Test Completion Date	09/04/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/04/L-0195		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.65
2.	Total Suspended Solids	APHA 23 rd Ed.,2017,2540 -D	<30	mg/L	BDL(MDL:4.0)
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	20.4
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	6
5.	Residual Free Chlorine	APHA 23 rd Ed.: 2017 4500-Cl, G	0.5 (min.)	mg/L	0.89
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

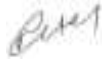
ULR No.	----	Report No.	URC /24/04/L-0390
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	17/04/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	12/04/2024	Sample Received Date	13/04/2024
Test Started Date	13/04/2024	Test Completion Date	16/04/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/04/L-0390		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.80
2.	Total Suspended Solids	APHA 23 rd Ed.,2017,2540 -D	<30	mg/L	BDL(MDL:4.0)
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	8.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	3
5.	Residual Free Chlorine	APHA 23 rd Ed.: 2017 4500-Cl, G	0.5 (min.)	mg/L	1.1
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					


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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC /24/04/L-0613
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	23/04/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	18/04/2024	Sample Received Date	19/04/2024
Test Started Date	19/04/2024	Test Completion Date	22/04/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/04/L-0613		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.26
2.	Total Suspended Solids	APHA 23 rd Ed.,2017,2540 -D	<30	mg/L	BDL(MDL:4.0)
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	16.5
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	6
5.	Residual Free Chlorine	APHA 23 rd Ed.: 2017 4500-Cl, G	0.5 (min.)	mg/L	1.3
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC /24/04/L-0753
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	29/04/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	23/04/2024	Sample Received Date	24/04/2024
Test Started Date	24/04/2024	Test Completion Date	27/04/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/04/L-0753		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.80
2.	Total Suspended Solids	APHA 23 rd Ed.,2017,2540 -D	<30	mg/L	BDL(MDL:4.0)
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	4.1
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	1
5.	Residual Free Chlorine	APHA 23 rd Ed.: 2017 4500-Cl, G	0.5 (min.)	mg/L	0.65
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/04/L-0196
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 11/04/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 05/04/2024	Sample Receipt Date	: 06/04/2024
Test Start Date	: 06/04/2024	Test Completion Date	: 11/04/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/04/L-0196		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

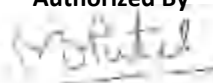
Opinions and Interpretations: (if required)



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

Checked By

Shweta Rana
(Microbiologist)

Authorized By

Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/04/L-0391
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 18/04/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 12/04/2024	Sample Receipt Date	: 13/04/2024
Test Start Date	: 13/04/2024	Test Completion Date	: 18/04/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/04/L-0391		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

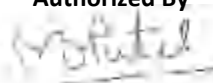
Remarks: --

Opinions and Interpretations: (if required)

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

Checked By

Shweta Rana
(Microbiologist)

Authorized By

Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/04/L-0614
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 24/04/2024
		Customer's Ref.	: --
Sample Details	: STP Inlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 18/04/2024	Sample Receipt Date	: 19/04/2024
Test Start Date	: 19/04/2024	Test Completion Date	: 24/04/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/04/L-0614		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

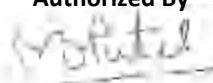
Opinions and Interpretations: (if required)



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

Checked By

Shweta Rana
(Microbiologist)

Authorized By

Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/04/L-0754
Name & Address of Customer	: M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 29/04/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 23/04/2024	Sample Receipt Date	: 24/04/2024
Test Start Date	: 24/04/2024	Test Completion Date	: 29/04/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/04/L-0754		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

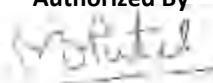
Opinions and Interpretations: (if required)



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

Checked By

Shweta Rana
(Microbiologist)

Authorized By

Meera D. Patel
(Sr. Microbiologist)

4.0 WATER QUALITY MONITORING REPORT



Period: May - 2024

FOR

M/s. Aarti Industries Limited.

At

Plot No. Z/103/H,
Dahej SEZ-II Tal. Vagara,
Dahej, Gujarat 392130
Dist. Bharuch, Gujarat, India.

Monitoring Organization



White House
Near G.J.D.C. Office, Chir Raste,
Vapi - 396 195, Gujarat, India.
Phone: +91 260 2433968 / 2425610
Email: response@uierl.in Website: www.uierl.in

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (SI. 03.2023 (p. 22.09.2024))

QC/NABET Accredited BA & GW
Consultant Organisation

CPGE Recognized Environmental
Auditor (Schedule-II)

INC 900:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT

ULR No.	----	Report No.	URC /24/05/L-063
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	15/05/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	10/05/2024	Sample Received Date	10/05/2024
Test Started Date	11/05/2024	Test Completion Date	14/05/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	UERL-D/24/05/L-063		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.49
2.	Total Suspended Solids	APHA 23 rd Ed.,2017,2540 -D	<30	mg/L	32
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	44.2
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	14
5.	Residual Free Chlorine	APHA 23 rd Ed.: 2017 4500-Cl, G	0.5 (min.)	mg/L	1.25
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC /24/05/L-095
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	22/05/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	17/05/2024	Sample Received Date	17/05/2024
Test Started Date	18/05/2024	Test Completion Date	21/05/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	UERL-D/24/05/L-095		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.68
2.	Total Suspended Solids	APHA 23 rd Ed.,2017,2540 -D	<30	mg/L	4.0
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	12.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	3.0
5.	Residual Free Chlorine	APHA 23 rd Ed.: 2017 4500-Cl, G	0.5 (min.)	mg/L	1.22
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC /24/05/L-0167
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	05/06/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	31/05/2024	Sample Received Date	31/05/2024
Test Started Date	01/06/2024	Test Completion Date	04/06/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	UERL-D/24/05/L-0167		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.22
2.	Total Suspended Solids	APHA 23 rd Ed.,2017,2540 -D	<30	mg/L	6.0
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	16.5
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	4.0
5.	Residual Free Chlorine	APHA 23 rd Ed.: 2017 4500-Cl, G	0.5 (min.)	mg/L	0.82
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/05/L-0264
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT	Date Of Report	: 17/05/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 10/05/2024	Sample Receipt Date	: 11/05/2024
Test Start Date	: 11/05/2024	Test Completion Date	: 17/05/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/05/L-0264		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

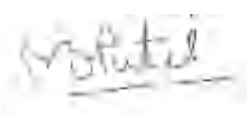
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/05/L-0563
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT	Date Of Report	: 27/05/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 17/05/2024	Sample Receipt Date	: 20/05/2024
Test Start Date	: 20/05/2024	Test Completion Date	: 27/05/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/05/L-0563		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

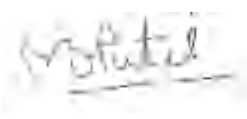
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/05/AIL-001
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 05/06/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 31/05/2024	Sample Receipt Date	: 01/06/2024
Test Start Date	: 01/06/2024	Test Completion Date	: 04/06/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/05/AIL-001		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

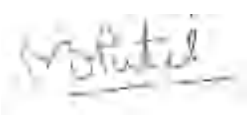
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/05/AIL-002
Name & Address of Customer	M/s. ARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 26/05/2023
		Customer's Ref.	: --
Sample Details	: Toxicity Test (Bioassay Test) of CT Makeup Water Sample	Location	: --
Sample Qty.	: 10 Lit.	Appearance	: Colourless
Sampling Date	: 21/05/2024	Sample Receipt Date	: 22/05/2024
Test Start Date	: 22/05/2024	Test Completion Date	: 26/05/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
Test Organism	: <i>Brachydanyo rerio</i> (Zebra Fish) (Adult Fish)		
UERL Lab ID. No.	: 24/05/AIL-002		

TOXICITY TEST (BIO ASSAY TEST) REPORT

Dilution Ratio	No. of fishes in the tank	Mortality Count					% Survival
		At 2 Hrs	At 6 Hrs	At 24 Hrs	At 48 Hrs	At 96 Hrs	
CONTROL	05	0	0	0	0	0	100
1:1 (100 %)	05	0	0	0	0	1	90
1:2 (50 %)	05	0	0	0	0	0	100
1:4 (25 %)	05	0	0	0	0	0	100

Control = Test Water Used for Dilution.

Dilution Ratio = Wastewater: Dilution Water (By Volume)

Data Analysis and conclusion:

All fishes survived in the dilution water (control) during the test under standard test condition as per the standard IS 6582 (Part 1): 1971 (Reaffirmed 2019).

Result: 90% of test organism survived exposed to 100% effluent After 96hr.

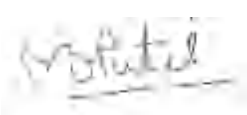
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/05/L-0264
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT	Date Of Report	: 17/05/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 10/05/2024	Sample Receipt Date	: 11/05/2024
Test Start Date	: 11/05/2024	Test Completion Date	: 17/05/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/05/L-0264		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

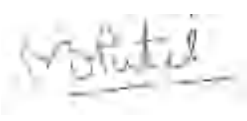
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/05/L-0563
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT	Date Of Report	: 27/05/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 17/05/2024	Sample Receipt Date	: 20/05/2024
Test Start Date	: 20/05/2024	Test Completion Date	: 27/05/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/05/L-0563		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

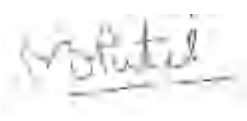
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/05/AIL-001
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 05/06/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 31/05/2024	Sample Receipt Date	: 01/06/2024
Test Start Date	: 01/06/2024	Test Completion Date	: 04/06/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/05/AIL-001		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

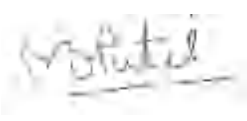
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

4.0 WATER QUALITY MONITORING REPORT



Period: June - 2024

FOR

M/s. Aarti Industries Limited.

At

Plot No. Z/103/H,
Dahej SEZ-II Tal. Vagara,
Dahej, Gujarat 392130
Dist. Bharuch, Gujarat, India.

Monitoring Organization



White House
Near G.I.D.C. Office, Chilar Raste,
Vapi - 396 195, Gujarat, India.
Phone: +91 260 2433968 / 2425610
Email: response@uerti.in Website: www.uerti.in

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (SI. 03.2023 (p. 22.09.2024))

QC/NABET Accredited BA & GW
Consultant Organisation

CPGE Recognized Environmental
Auditor (Schedule-II)

INC 900:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT

ULR No.	----	Report No.	URC /24/06/L-0126
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	11/06/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	04/06/2024	Sample Received Date	06/06/2024
Test Started Date	06/06/2024	Test Completion Date	10/06/2024
Sampled By	Client.	Sampling Method	--
UERL Lab ID. No.	24/06/L-0126		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.28
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	4
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	8.2
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	2
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	3.5
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Page | 16

Authorized By:



Nitin B. Tandel
(Technical Manager)

UERL/CHM/F-2/05

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

TEST REPORT

ULR No.	----	Report No.	URC /24/06/AIL-0234
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	17/06/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	11/06/2024	Sample Received Date	12/06/2024
Test Started Date	12/06/2024	Test Completion Date	15/06/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/06/AIL-0234		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.36
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	8
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	16.5
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	5
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	1.2
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC /24/06/AIL-0391
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	25/06/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	19/06/2024	Sample Received Date	20/06/2024
Test Started Date	20/06/2024	Test Completion Date	24/06/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/06/AIL-0391		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.22
2.	Total Suspended Solids	APHA, 24th Ed., 2023,2540 -D	<30	mg/L	6
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	20.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	6
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	1.3
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC /24/06/L-0882
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	04/07/2024
		Customer's Ref.	--
Sample Details	STP Inlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	26/06/2024	Sample Received Date	27/06/2024
Test Started Date	27/06/2024	Test Completion Date	01/07/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/06/L-0882		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment		
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:				
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	7.33
2.	Total Suspended Solids	APHA 24th Ed.,2023,2540 -D	mg/L	28
GENERAL CHEMICAL PARAMETERS:				
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	mg/L	213.4
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	mg/L	66
5.	Residual Free Chlorine	APHA 24th Ed.,2023 4500-Cl, G	mg/L	BDL(MDL:0.1)
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit,				

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC /24/06/L-0884
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	04/07/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	26/06/2024	Sample Received Date	27/06/2024
Test Started Date	27/06/2024	Test Completion Date	01/07/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/06/L-0884		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.40
2.	Total Suspended Solids	APHA 24th Ed.,2023,2540 -D	<30	mg/L	26
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	44.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	14
5.	Residual Free Chlorine	APHA 24th Ed.,2023 4500-Cl, G	0.5 (min.)	mg/L	1.28
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/06/L-0127
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 12/06/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 04/06/2024	Sample Receipt Date	: 06/06/2024
Test Start Date	: 06/06/2024	Test Completion Date	: 12/06/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/06/L-0127		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

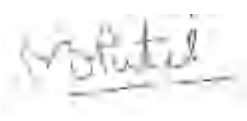
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/06/L-0234
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 17/06/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 11/06/2024	Sample Receipt Date	: 12/06/2024
Test Start Date	: 12/06/2024	Test Completion Date	: 15/06/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/06/L-0234		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

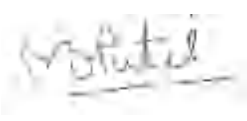
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/06/L-0127
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 25/06/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 19/06/2024	Sample Receipt Date	: 20/06/2024
Test Start Date	: 20/06/2024	Test Completion Date	: 24/06/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/06/L-0127		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

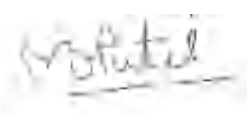
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/06/L-0883
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 03/07/2024
		Customer's Ref.	: --
Sample Details	: STP Inlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 26/06/2024	Sample Receipt Date	: 27/06/2024
Test Start Date	: 27/06/2024	Test Completion Date	: 03/07/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/06/L-0883		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	80

Remarks: --

Opinions and Interpretations: (if required)

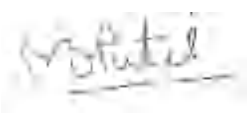
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/06/L-0885
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 03/07/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 26/06/2024	Sample Receipt Date	: 27/06/2024
Test Start Date	: 27/06/2024	Test Completion Date	: 03/07/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/06/L-0885		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

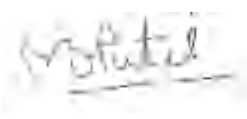
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/06/L-0888
Name & Address of Customer	M/s. ARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 04/07/2023
		Customer's Ref.	: --
Sample Details	: Toxicity Test (Bioassay Test) of CT Makeup Water Sample	Location	: --
Sample Qty.	: 10 Lit.	Appearance	: Colourless
Sampling Date	: 26/06/2024	Sample Receipt Date	: 27/06/2024
Test Start Date	: 27/06/2024	Test Completion Date	: 03/07/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
Test Organism	: <i>Brachydanyo rerio</i> (Zebra Fish) (Adult Fish)		
UERL Lab ID. No.	: 24/06/L-0888		

TOXICITY TEST (BIO ASSAY TEST) REPORT

Dilution Ratio	No. of fishes in the tank	Mortality Count					% Survival
		At 2 Hrs	At 6 Hrs	At 24 Hrs	At 48 Hrs	At 96 Hrs	
CONTROL	05	0	0	0	0	0	100
1:1 (100 %)	05	0	0	0	0	1	90
1:2 (50 %)	05	0	0	0	0	0	100
1:4 (25 %)	05	0	0	0	0	0	100

Control = Test Water Used for Dilution.

Dilution Ratio = Wastewater: Dilution Water (By Volume)

Data Analysis and conclusion:

All fishes survived in the dilution water (control) during the test under standard test condition as per the standard IS 6582 (Part 1): 1971 (Reaffirmed 2019).

Result: 90% of test organism survived exposed to 100% effluent After 96hr.

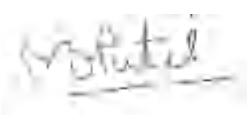
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT

ULR No.	--	Report No.	URC /24/06/L-0886
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	04/07/2024
		Customer's Ref.	--
Sample Details	Drinking Water Sample	Location	Main Gate Cooler
Sample Qty.	5 Lit. + 500 ml.	Appearance	Colourless
Sampling Date	26/06/2024	Sample Received Date	27/06/2024
Test Started Date	27/06/2024	Test Completion Date	01/07/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/06/L-0886		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method	As Per IS 10500:2012 Desirable Limit	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS					
1.	Colour	IS 3025(Part 4):2021	5 Max	Pt. Co. Scale	BDL(MDL:5.0)
2.	Odour	IS 3025(Part 5):1983	Agreeable	--	Agreeable
3.	Taste	IS 3025(Part 8):2023	Agreeable	--	Agreeable
4.	pH @ 25 ° C	IS 3025(Part 11):2022	6.5 – 8.5	--	8.25
5.	Turbidity	IS 3025(Part 10):2023	1 Max	NTU	BDL(MDL:0.1)
6.	Total Dissolved Solids	IS 3025(Part 16):2023	500 Max	mg/L	112
GENERAL CHEMICAL PARAMETERS					
7.	Calcium as Ca	APHA 24th Ed.,2023,3500 Ca. B	75 Max	mg/L	9.6
8.	Chloride as Cl ⁻	IS 3025(Part 32):1988	250 Max	mg/L	4.9
9.	Fluoride as F	IS 3025(Part 60):2008	1.0 Max	mg/L	BDL(MDL:0.2)
10.	Free Residual Chlorine	IS 3025(Part 26):2021	0.2 Min.	mg/L	0.26
11.	Magnesium as Mg	APHA 24th Ed.,2023,3500 Mg. B	30 Max	mg/L	6.3
12.	Nitrate as NO ₃	APHA 24th Ed.,2023,4500 NO3-B	45 Max	mg/L	0.4
13.	Phenolic Compound	IS 3025(Part 43):2022	0.001 Max	mg/L	BDL(MDL:0.001)
14.	Sulphate as SO ₄ ⁻²	IS 3025(Part 24):2022	200 Max	mg/L	6.2
15.	Sulphide as S ⁻²	APHA 24th Ed.,2023,4500 S ⁻² F	0.05 Max	mg/L	BDL(MDL:0.1)
16.	Total Alkalinity as CaCO ₃	IS 3025(Part 23):1986	200 Max	mg/L	60
17.	Total Hardness as CaCO ₃	IS 3025(Part 21):2009	200 Max	mg/L	50
18.	Ammonia	IS: 3025 (Part 34):1988 (By ISE Method)	0.5 Max	mg/L	BDL(MDL:0.2)
19.	Chloramines as Cl ₂	APHA 24th Ed.,2023 4500-Cl, G DPD & Colorimetric Method	4.0 Max	mg/L	BDL(MDL:0.1)
20.	Anionic Detergent as (MBAS)	APHA 24th Ed.,2023, 5540 C (Anionic Surfactants as MBAS)	0.2 Max	mg/L	BDL(MDL:0.2)
21.	Mineral Oil	IS 3025(Part 39):2021	0.5 Max	mg/L	N.D.

TEST REPORT

ULR No.	--	Report No.	URC /24/06/L-0886
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT	Date of Report	04/07/2024
		Customer's Ref.	--
Sample Details	Drinking Water Sample	Location	Main Gate Cooler
Sample Qty.	5 Lit. + 500 ml.	Appearance	Colourless
Sampling Date	26/06/2024	Sample Received Date	27/06/2024
Test Started Date	27/06/2024	Test Completion Date	01/07/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/06/L-0886		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Residues and Contaminants in Water			
Sr. No.	Parameters	Test Method	As Per IS 10500:2012 Desirable Limit	Unit of Measurement	Results
Trace Metal Elements :					
22.	Copper as Cu	IS 3025 (Part 42):1992	0.05 Max	mg/L	BDL(MDL:0.05)
23.	Lead as Pb	IS 3025 (Part 47):1994	0.01 Max	mg/L	BDL(MDL:0.01)
24.	Mercury as Hg	APHA 24th Ed.,2023, 3112-B	0.001 Max	mg/L	BDL(MDL:0.001)
25.	Nickel as Ni	IS 3025 (Part 54):2003	0.02 Max	mg/L	BDL(MDL:0.02)
26.	Total Arsenic as As	APHA 24th Ed.,2023,3114-C	0.01 Max	mg/L	BDL(MDL:0.01)
27.	Total Chromium as Cr	IS 3025 (Part 52):2003	0.05 Max	mg/L	BDL(MDL:0.05)
28.	Manganese as Mn	APHA 24th Ed.,2023, 3500 Mn B	0.1 Max	mg/L	BDL(MDL:0.1)
29.	Iron (as Fe)	IS 3025(Part 53):2003	0.3 Max	mg/L	BDL(MDL:0.1)
30.	Zinc as Zn	IS 3025(Part 49):1994	5 Max	mg/L	BDL(MDL:0.05)
31.	Cadmium as Cd	IS 3025(Part 41):2023	0.003 Max	mg/L	BDL(MDL:0.003)
32.	Cyanide as CN	IS 3025(Part 27):1986	0.05 Max	mg/L	BDL(MDL:0.05)
33.	Boron as B	IS: 3025 (Part 57): (Curcumin Method): 2021	0.5 Max	mg/L	BDL(MDL:0.5)
34.	Aluminum as Al	APHA 24th Ed.,2023, 3500-Al, (Eriochrome Cyanine R Method)	0.03 Max	mg/L	BDL(MDL:0.03)
35.	Silver as Ag	APHA 24th Ed.,2023-3111 B-	0.1 Max	mg/L	BDL(MDL:0.1)
36.	Barium as Ba	APHA 24th Ed.,2023-3500 -Ba,	0.7 Max	mg/L	N.D.
37.	Selenium as Se	IS 3025(Part 56):2003	0.01 Max	mg/L	N.D.
38.	Molybdenum as Mo	APHA 24th Ed.,2023,3111-B,	0.07 Max	mg/L	N.D.
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, N.D. = Not Detectable,					
Remarks: The sample portion tested does comply with the Desired limit of the Drinking water - Specification (IS 10500: 2012).					
Opinion & Interpretation (If required):					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

**TEST REPORT
(Microbiology)**

ULR No.	: --	Report No.	: URB/24/06/L-0887
Name & Address of Customer	: M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 03/07/2024
		Customer's Ref.	: --
Sample Details	: Drinking Water Sample	Location	: Main Gate Cooler
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 26/06/2024	Sample Receipt Date	: 27/06/2024
Test Start Date	: 27/06/2024	Test Completion Date	: 03/07/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/06/L-0887		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Water		
Sr. No.	Test Parameter	Test Method	Specified Limit as per IS:10500-2012	Unit of Measurement	Results
1	Total Bacterial Count	APHA 23 rd Ed.2017,9215-C	100CFU/ml (Additional, Ref. WHO)	CFU/ml	40
2	Total Coliform	APHA 23 rd Ed.2017,9222-B	Absent	CFU/100 ml	Absent
3	Fecal Coliform	APHA 23 rd Ed.2017,9222-D	Absent	CFU/100 ml	Absent
4	E. coli	IS :15185:2016	Absent	CFU/100 ml	Absent

Remarks: The sample portion tested does/ ~~doesn't~~ comply as per the standard specifications.

Opinions and Interpretations: (if required)

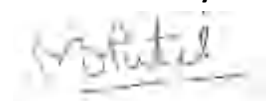
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

4.0 WATER QUALITY MONITORING REPORT



Period: July - 2024

FOR

M/s. Aarti Industries Limited.

At

Plot No. Z/103/H,
Dahej SEZ-II Tal. Vagara,
Dahej, Gujarat 392130
Dist. Bharuch, Gujarat, India.

Monitoring Organization



White House
Near G.I.D.C. Office, Chilar Raste,
Vapi - 396 195, Gujarat, India.
Phone: +91 260 2433968 / 2425610
Email: response@uierl.in Website: www.uierl.in

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (SI. 03.2023 (p. 22.09.2024))

QC/NABET Accredited BA & GW
Consultant Organisation

CPGE Recognized Environmental
Auditor (Schedule-II)

INC 900:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT

ULR No.	----	Report No.	URC /24/07/L-0285
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	12/07/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	06/07/2024	Sample Received Date	08/07/2024
Test Started Date	08/07/2024	Test Completion Date	11/07/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/07/L-0285		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.37
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	8
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	12.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	4
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	2.2
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC /24/07/L-0510
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	19/07/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	12/07/2024	Sample Received Date	13/07/2024
Test Started Date	13/07/2024	Test Completion Date	18/07/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/07/L-0510		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.34
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	4
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	16.5
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	5
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	1.45
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT


ULR No.	----	Report No.	URC/24/07/L-1055
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	02/08/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	27/07/2024	Sample Received Date	29/07/2024
Test Started Date	29/07/2024	Test Completion Date	01/08/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/07/L-1055		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.17
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	10
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	20.4
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	5
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	1.5
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC/24/07/AIL-0631
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	06/08/2024
		Customer's Ref.	--
Sample Details	STP Inlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	29/07/2024	Sample Received Date	30/07/2024
Test Started Date	30/07/2024	Test Completion Date	02/08/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/07/AIL-0631		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment		
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:				
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	7.28
2.	Total Suspended Solids	APHA 24th Ed.,2023,2540 -D	mg/L	36
GENERAL CHEMICAL PARAMETERS:				
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	mg/L	172.2
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	mg/L	52
5.	Residual Free Chlorine	APHA 24th Ed.,2023 4500-Cl, G	mg/L	BDL(MDL:0.1)
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit,				

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC/24/07/AIL-0632
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	06/08/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	29/07/2024	Sample Received Date	30/07/2024
Test Started Date	30/07/2024	Test Completion Date	02/08/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/07/AIL-0632		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.88
2.	Total Suspended Solids	APHA 24th Ed.,2023,2540 -D	<30	mg/L	10
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	12.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	4
5.	Residual Free Chlorine	APHA 24th Ed.,2023 4500-Cl, G	0.5 (min.)	mg/L	1.25
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC/24/08/L-0027
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT	Date of Report	06/08/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	31/07/2024	Sample Received Date	01/08/2024
Test Started Date	01/08/2024	Test Completion Date	05/08/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/08/L-0027		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.72
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	4
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	8.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	2
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	0.88
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/07/AIL-001
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	: 13/07/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 06/07/2024	Sample Receipt Date	: 08/07/2024
Test Start Date	: 08/07/2024	Test Completion Date	: 13/07/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/07/AIL-001		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)


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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/07/AIL-002
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 18/07/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 12/07/2024	Sample Receipt Date	: 13/07/2024
Test Start Date	: 13/07/2024	Test Completion Date	: 18/07/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/07/AIL-002		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/07/AIL-003
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 06/08/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 27/07/2024	Sample Receipt Date	: 29/07/2024
Test Start Date	: 29/07/2024	Test Completion Date	: 05/08/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/07/AIL-003		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/07/AIL-004
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 05/08/2024
		Customer's Ref.	: --
Sample Details	: STP Inlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 29/07/2024	Sample Receipt Date	: 30/07/2024
Test Start Date	: 30/07/2024	Test Completion Date	: 04/08/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/07/AIL-004		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	90

Remarks: --

Opinions and Interpretations: (if required)


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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/07/AIL-005
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 05/08/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 29/07/2024	Sample Receipt Date	: 30/07/2024
Test Start Date	: 30/07/2024	Test Completion Date	: 04/08/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/07/AIL-005		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)


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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/07/AIL-005
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 05/08/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 31/07/2024	Sample Receipt Date	: 01/08/2024
Test Start Date	: 01/08/2024	Test Completion Date	: 05/08/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/07/AIL-005		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)


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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/07/AIL-0633
Name & Address of Customer	: M/s. ARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 06/08/2023
		Customer's Ref.	: --
Sample Details	: Toxicity Test (Bioassay Test) of CT Makeup Water Sample	Location	: --
Sample Qty.	: 10 Lit.	Appearance	: Colourless
Sampling Date	: 29/07/2024	Sample Receipt Date	: 30/07/2024
Test Start Date	: 30/07/2024	Test Completion Date	: 05/08/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
Test Organism	: <i>Brachydanyo rerio</i> (Zebra Fish) (Adult Fish)		
UERL Lab ID. No.	: 24/07/ AIL-0633		

TOXICITY TEST (BIO ASSAY TEST) REPORT

Dilution Ratio	No. of fishes in the tank	Mortality Count					% Survival
		At 2 Hrs	At 6 Hrs	At 24 Hrs	At 48 Hrs	At 96 Hrs	
CONTROL	05	0	0	0	0	0	100
1:1 (100 %)	05	0	0	0	0	1	90
1:2 (50 %)	05	0	0	0	0	0	100
1:4 (25 %)	05	0	0	0	0	0	100

Control = Test Water Used for Dilution.

Dilution Ratio = Wastewater: Dilution Water (By Volume)

Data Analysis and conclusion:

All fishes survived in the dilution water (control) during the test under standard test condition as per the standard IS 6582 (Part 1): 1971 (Reaffirmed 2019).

Result: 90% of test organism survived exposed to 100% effluent After 96hr.

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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT

ULR No.	--	Report No.	URC/24/07/AIL-0634
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	06/08/2024
		Customer's Ref.	--
Sample Details	Drinking Water Sample	Location	Main Gate Cooler Near OHC
Sample Qty.	5 Lit. + 500 ml.	Appearance	Colourless
Sampling Date	29/07/2024	Sample Received Date	30/07/2024
Test Started Date	30/07/2024	Test Completion Date	05/08/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/07/AIL-0634		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method	As Per IS 10500:2012 Desirable Limit	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS					
1.	Colour	IS 3025(Part 4):2021	5 Max	Pt. Co. Scale	BDL(MDL:5.0)
2.	Odour	IS 3025(Part 5):1983	Agreeable	--	Agreeable
3.	Taste	IS 3025(Part 8):2023	Agreeable	--	Agreeable
4.	pH @ 25 ° C	IS 3025(Part 11):2022	6.5 – 8.5	--	8.04
5.	Turbidity	IS 3025(Part 10):2023	1 Max	NTU	BDL(MDL:0.1)
6.	Total Dissolved Solids	IS 3025(Part 16):2023	500 Max	mg/L	174
GENERAL CHEMICAL PARAMETERS					
7.	Calcium as Ca	APHA 24th Ed.,2023,3500 Ca. B	75 Max	mg/L	20.8
8.	Chloride as Cl ⁻	IS 3025(Part 32):1988	250 Max	mg/L	14.7
9.	Fluoride as F	IS 3025(Part 60):2008	1.0 Max	mg/L	BDL(MDL:0.2)
10.	Free Residual Chlorine	IS 3025(Part 26):2021	0.2 Min.	mg/L	0.32
11.	Magnesium as Mg	APHA 24th Ed.,2023,3500 Mg. B	30 Max	mg/L	6.8
12.	Nitrate as NO ₃	APHA 24th Ed.,2023,4500 NO3-B	45 Max	mg/L	0.2
13.	Phenolic Compound	IS 3025(Part 43):2022	0.001 Max	mg/L	BDL(MDL:0.001)
14.	Sulphate as SO ₄ ⁻²	IS 3025(Part 24):2022	200 Max	mg/L	6.5
15.	Sulphide as S ⁻²	APHA 24th Ed.,2023,4500 S ⁻² F	0.05 Max	mg/L	BDL(MDL:0.1)
16.	Total Alkalinity as CaCO ₃	IS 3025(Part 23):1986	200 Max	mg/L	110.5
17.	Total Hardness as CaCO ₃	IS 3025(Part 21):2009	200 Max	mg/L	80.0
18.	Ammonia	IS: 3025 (Part 34):1988 (By ISE Method)	0.5 Max	mg/L	BDL(MDL:0.2)
19.	Chloramines as Cl ₂	APHA 24th Ed.,2023 4500-Cl, G DPD & Colorimetric Method	4.0 Max	mg/L	BDL(MDL:0.1)
20.	Anionic Detergent as (MBAS)	APHA 24th Ed.,2023, 5540 C (Anionic Surfactants as MBAS)	0.2 Max	mg/L	BDL(MDL:0.2)
21.	Mineral Oil	IS 3025(Part 39):2021	0.5 Max	mg/L	N.D.

TEST REPORT

ULR No.	--	Report No.	URC/24/07/AIL-0634
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT	Date of Report	06/08/2024
		Customer's Ref.	--
Sample Details	Drinking Water Sample	Location	Main Gate Cooler Near OHC
Sample Qty.	5 Lit. + 500 ml.	Appearance	Colourless
Sampling Date	29/07/2024	Sample Received Date	30/07/2024
Test Started Date	30/07/2024	Test Completion Date	05/08/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/07/AIL-0634		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Residues and Contaminants in Water			
Sr. No.	Parameters	Test Method	As Per IS 10500:2012 Desirable Limit	Unit of Measurement	Results
Trace Metal Elements :					
22.	Copper as Cu	IS 3025 (Part 42):1992	0.05 Max	mg/L	BDL(MDL:0.05)
23.	Lead as Pb	IS 3025 (Part 47):1994	0.01 Max	mg/L	BDL(MDL:0.01)
24.	Mercury as Hg	APHA 24th Ed.,2023, 3112-B	0.001 Max	mg/L	BDL(MDL:0.001)
25.	Nickel as Ni	IS 3025 (Part 54):2003	0.02 Max	mg/L	BDL(MDL:0.02)
26.	Total Arsenic as As	APHA 24th Ed.,2023,3114-C	0.01 Max	mg/L	BDL(MDL:0.01)
27.	Total Chromium as Cr	IS 3025 (Part 52):2003	0.05 Max	mg/L	BDL(MDL:0.05)
28.	Manganese as Mn	APHA 24th Ed.,2023, 3500 Mn B	0.1 Max	mg/L	BDL(MDL:0.1)
29.	Iron (as Fe)	IS 3025(Part 53):2003	0.3 Max	mg/L	BDL(MDL:0.1)
30.	Zinc as Zn	IS 3025(Part 49):1994	5 Max	mg/L	BDL(MDL:0.05)
31.	Cadmium as Cd	IS 3025(Part 41):2023	0.003 Max	mg/L	BDL(MDL:0.003)
32.	Cyanide as CN	IS 3025(Part 27):1986	0.05 Max	mg/L	BDL(MDL:0.05)
33.	Boron as B	IS: 3025 (Part 57): (Curcumin Method): 2021	0.5 Max	mg/L	BDL(MDL:0.5)
34.	Aluminum as Al	APHA 24th Ed.,2023, 3500-Al, (Eriochrome Cyanine R Method)	0.03 Max	mg/L	BDL(MDL:0.03)
35.	Silver as Ag	APHA 24th Ed.,2023-3111 B-	0.1 Max	mg/L	BDL(MDL:0.1)
36.	Barium as Ba	APHA 24th Ed.,2023-3500 -Ba,	0.7 Max	mg/L	N.D.
37.	Selenium as Se	IS 3025(Part 56):2003	0.01 Max	mg/L	N.D.
38.	Molybdenum as Mo	APHA 24th Ed.,2023,3111-B,	0.07 Max	mg/L	N.D.

Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, N.D. = Not Detectable,

Remarks: The sample portion tested does comply with the Desired limit of the Drinking water - Specification (IS 10500: 2012).

Opinion & Interpretation (If required):

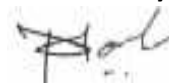
***** End of Report *****

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/07/AIL-0634
Name & Address of Customer	M/s. Aarti Industries Limited. (Unit-1 Neo Plant) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 06/08/2024
		Customer's Ref.	: --
Sample Details	: Drinking Water Sample	Location	: Main Gate Cooler Near OHC
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 29/07/2024	Sample Receipt Date	: 30/07/2024
Test Start Date	: 30/07/2024	Test Completion Date	: 05/08/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/07/AIL-0634		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Water		
Sr. No.	Test Parameter	Test Method	Specified Limit as per IS:10500-2012	Unit of Measurement	Results
1	Total Bacterial Count	APHA 23 rd Ed.2017,9215-C	100CFU/ml (Additional, Ref. WHO)	CFU/ml	58
2	Total Coliform	APHA 23 rd Ed.2017,9222-B	Absent	CFU/100 ml	Absent
3	Fecal Coliform	APHA 23 rd Ed.2017,9222-D	Absent	CFU/100 ml	Absent
4	E. coli	IS :15185:2016	Absent	CFU/100 ml	Absent

Remarks: The sample portion tested does/ ~~doesn't~~ comply as per the standard specifications.

Opinions and Interpretations: (if required)

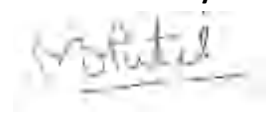
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT

ULR No.	--	Report No.	URC/24/07/L-1158
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	06/08/2024
		Customer's Ref.	--
Sample Details	Ground Water Sample.	Location	Village Lakhigam
Sample Qty.	5 Lit. + 500 ml.	Appearance	Colourless
Sampling Date	30/07/2024	Sample Received Date	31/07/2024
Test Started Date	31/07/2024	Test Completion Date	05/08/2024
Sampled By	Client.	Sampling Method	--
UERL Lab ID. No.	24/07/L-1158		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Water		
Sr. No.	Parameters	Test Method	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:				
1.	Colour	IS 3025(Part 4):2021	Pt. Co. Scale	BDL(MDL:5.0)
2.	Odour	IS 3025(Part 5):2018	--	Agreeable
3.	Taste	IS 3025(Part 8):2023	--	Agreeable
4.	pH @ 25 ° C	IS 3025(Part 11):2022	--	6.94
5.	Turbidity	IS 3025(Part 10): 2023	NTU	0.1
6.	Total Dissolved Solids	IS 3025(Part 16) :2023	mg/L	1910
GENERAL CHEMICAL PARAMETERS:				
7.	Calcium as Ca	APHA 24th Ed.2023,3500 Ca. B	mg/L	190.3
8.	Chloride as Cl ⁻	IS 3025(Part 32):1988	mg/L	335
9.	Fluoride as F	IS 3025(Part 60) :2008	mg/L	BDL(MDL:0.2)
10.	Free Residual Chlorine	APHA 24th Ed.2023, 4500 Cl. G	mg/L	BDL(MDL:0.1)
11.	Magnesium as Mg	APHA 24th Ed.2023,3500 Mg. B	mg/L	100.8
12.	Nitrate as NO ₃	APHA 24th Ed.2023,4500 NO3-B	mg/L	10.5
13.	Phenolic Compound	IS 3025(Part 43):2022	mg/L	BDL(MDL:0.001)
14.	Sulphate as SO ₄ ⁻²	IS 3025(Part 24):2022	mg/L	35.6
15.	Sulphide as S ⁻²	APHA 24th Ed.2023,4500 S ⁻² F	mg/L	BDL(MDL:0.05)
16.	Total Alkalinity as CaCO ₃	IS 3025(Part 23):2023	mg/L	497.4
17.	Total Hardness as CaCO ₃	IS 3025(Part 21):2009	mg/L	890
18.	Chloramines as Cl ₂	APHA 24th Ed.2023 4500-Cl, G DPD & Colorimetric Method	mg/L	BDL(MDL:0.2)
19.	Ammonia	IS: 3025 (Part 34):1988 (By ISE Method)	mg/L	BDL(MDL:0.1)
20.	Anionic Detergent as (MBAS)	APHA 24th Ed.2023, 5540 C 5-55	mg/L	BDL(MDL:0.2)
21.	Cyanide as CN	IS 3025(Part 27):1986	mg/L	BDL(MDL:0.05)
22.	Mineral Oil	IS 3025(Part 39):2021	mg/L	N.D.
23.	Copper as Cu	IS 3025 (Part 42):1992	mg/L	BDL(MDL:0.05)
24.	Lead as Pb	IS 3025 (Part 47):1994	mg/L	BDL(MDL:0.01)

TEST REPORT

ULR No.	--	Report No.	URC/24/07/L-1158
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	06/08/2024
		Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Village Lakhigam
Sample Qty.	5 Lit. + 500 ml.	Appearance	Colourless
Sampling Date	30/07/2024	Sample Received Date	31/07/2024
Test Started Date	31/07/2024	Test Completion Date	05/08/2024
Sampled By	Client.	Sampling Method	--
UERL Lab ID. No.	24/07/L-1158		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Residues and Contaminants in Water		
Sr. No.	Parameters	Test Method	Unit of Measurement	Results
GENERAL CHEMICAL PARAMETERS:				
25.	Mercury as Hg	APHA 24th Ed.2023, 3112-B	mg/L	BDL(MDL:0.001)
26.	Nickel as Ni	IS 3025 (Part 54):2003	mg/L	BDL(MDL:0.02)
27.	Total Arsenic as As	APHA 24th Ed.2023,3114-C	mg/L	BDL(MDL:0.01)
28.	Total Chromium as Cr	IS 3025 (Part 52):2003	mg/L	BDL(MDL:0.05)
29.	Manganese as Mn	APHA 24th Ed.2023, 3500 Mn B	mg/L	BDL(MDL:0.1)
30.	Iron (as Fe)	IS 3025(Part 53):2003	mg/L	0.288
31.	Zinc as Zn	IS 3025(Part 49):1994	mg/L	0.104
32.	Cadmium as Cd	IS 3025(Part 41):2023	mg/L	BDL(MDL:0.003)
33.	Boron as B	IS: 3025 (Part 57) (Curcumin Method): 2021	mg/L	BDL(MDL:0.5)
34.	Aluminum as Al	APHA 24th Ed.2023,3500-Al, (Eriochrome Cyanine R Method)	mg/L	BDL(MDL:0.03)
35.	Silver as Ag	APHA 24th Ed.2023-3111 B-	mg/L	BDL(MDL:0.1)
36.	Barium as Ba	APHA 24th Ed.2023-3500 -Ba,	mg/L	N.D.
37.	Selenium as Se	IS 3025(Part 56):2003	mg/L	N.D.
38.	Molybdenum as Mo	APHA 24th Ed.2023,3111-B,	mg/L	N.D.

Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, , Turbidity = 0.1 = 4.54 NTU, N.D. = Not Detectable,

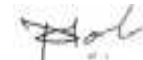
***** End of Report *****

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

**TEST REPORT
(Microbiology)**

ULR No.	: --	Report No.	: URB/24/05/L-0154
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 06/08/2024
		Customer's Ref.	: --
Sample Details	: Ground Water Sample	Location	: Village Lakhigam
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 30/07/2024	Sample Receipt Date	: 31/07/2024
Test Start Date	: 31/07/2024	Test Completion Date	: 05/08/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: UERL-D/24/05/L-0154		

TEST RESULTS:

DISCIPLINE: Biological Testing			GROUP: Water	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Total Bacterial Count	APHA 23 rd Ed.2017,9215-C	CFU/ml	58
2	Total Coliform	APHA 23 rd Ed.2017,9222-B	CFU/100 ml	Absent
3	Fecal Coliform	APHA 23 rd Ed.2017,9222-D	CFU/100 ml	Absent
4	E. coli	IS :15185:2016	CFU/100 ml	Absent

Remarks: --

Opinions and Interpretations: (if required)

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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

4.0 WATER QUALITY MONITORING REPORT



Period: August - 2024

FOR

M/s. Aarti Industries Limited.

At

Plot No. Z/103/H,
Dahej SEZ-II Tal. Vagara,
Dahej, Gujarat 392130
Dist. Bharuch, Gujarat, India.

Monitoring Organization



White House
Near G.I.D.C. Office, Chilar Raste,
Vapi - 396 195, Gujarat, India.
Phone: +91 260 2433968 / 2425610
Email: response@aarti.in Website: www.aarti.in

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (SI. 03.2023 (p. 22.09.2024))

QC/NABET Accredited BA & GW
Consultant Organisation

CPGE Recognized Environmental
Auditor (Schedule-II)

INC 900:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT

ULR No.	----	Report No.	URC /24/08/AIL-0068
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	14/08/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	10/08/2024	Sample Received Date	11/08/2024
Test Started Date	11/08/2024	Test Completion Date	14/08/2024
Sampled By	UERRL-Lab.	Sampling Method	--
UERRL Lab ID. No.	24/08/AIL-0068		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.65
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	BDL(MDL:4.0)
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	14.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	4
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	2.4
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC /24/08/AIL-0115
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	21/08/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	17/08/2024	Sample Received Date	17/08/2024
Test Started Date	18/08/2024	Test Completion Date	21/08/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/08/AIL-0115		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.07
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	10
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	24.7
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	6
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	1.3
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT


ULR No.	----	Report No.	URC/24/08/AIL-0152
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	03/09/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	29/08/2024	Sample Received Date	30/08/2024
Test Started Date	30/08/2024	Test Completion Date	03/09/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/08/AIL-0152		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.66
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	BDL(MDL:4.0)
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	12.6
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	3
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	1.2
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC/24/08/AIL-0166
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	05/09/2024
		Customer's Ref.	--
Sample Details	STP Inlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	30/08/2024	Sample Received Date	31/08/2024
Test Started Date	31/08/2024	Test Completion Date	05/09/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/08/AIL-0166		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment		
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:				
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	7.29
2.	Total Suspended Solids	APHA 24th Ed.,2023,2540 -D	mg/L	20
GENERAL CHEMICAL PARAMETERS:				
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	mg/L	134.5
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	mg/L	41
5.	Residual Free Chlorine	APHA 24th Ed.,2023 4500-Cl, G	mg/L	BDL(MDL:0.1)
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit,				

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC/24/08/AIL-0167
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	05/09/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	30/08/2024	Sample Received Date	31/08/2024
Test Started Date	31/08/2024	Test Completion Date	05/09/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/08/AIL-0167		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.06
2.	Total Suspended Solids	APHA 24th Ed.,2023,2540 -D	<30	mg/L	BDL(MDL:4.0)
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	16.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	3
5.	Residual Free Chlorine	APHA 24th Ed.,2023 4500-Cl, G	0.5 (min.)	mg/L	1.45
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

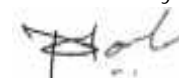
***** End of Report *****

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/08/AIL-001
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	: 14/08/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 10/08/2024	Sample Receipt Date	: 11/08/2024
Test Start Date	: 11/08/2024	Test Completion Date	: 14/08/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/08/AIL-001		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/08/AIL-002
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 21/08/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 17/08/2024	Sample Receipt Date	: 17/08/2024
Test Start Date	: 18/08/2024	Test Completion Date	: 21/08/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/08/AIL-002		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/08/AIL-003
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 03/09/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 29/08/2024	Sample Receipt Date	: 30/08/2024
Test Start Date	: 30/08/2024	Test Completion Date	: 03/09/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/08/AIL-003		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)


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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/08/AIL-004
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 05/09/2024
		Customer's Ref.	: --
Sample Details	: STP Inlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 30/08/2024	Sample Receipt Date	: 31/08/2024
Test Start Date	: 31/08/2024	Test Completion Date	: 05/09/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/08/AIL-004		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	88

Remarks: --

Opinions and Interpretations: (if required)


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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/08/AIL-005
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 05/09/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 30/08/2024	Sample Receipt Date	: 31/08/2024
Test Start Date	: 31/08/2024	Test Completion Date	: 05/09/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/08/AIL-005		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

4.0 WATER QUALITY MONITORING REPORT



Period: September - 2024

FOR

M/s. Aarti Industries Limited.

At

Plot No. Z/103/H,
Dahej SEZ-II Tal. Vagara,
Dahej, Gujarat 392130
Dist. Bharuch, Gujarat, India.

Monitoring Organization



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

GCI NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT

ULR No.	----	Report No.	URC /24/09/AIL-0028
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	11/09/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	05/09/2024	Sample Received Date	06/09/2024
Test Started Date	06/09/2024	Test Completion Date	11/09/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/09/AIL-0028		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.63
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	BDL(MDL:4.0)
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	12.6
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	3
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	2.2
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					


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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC /24/09/AIL-0065
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	16/09/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	11/09/2024	Sample Received Date	11/09/2024
Test Started Date	12/09/2024	Test Completion Date	16/09/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/09/AIL-0065		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.52
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	20
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	18.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	5
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	1.2
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC/24/09/AIL-0133
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	26/09/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	21/09/2024	Sample Received Date	23/09/2024
Test Started Date	23/09/2024	Test Completion Date	26/09/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/09/AIL-0133		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	8.41
2.	Total Suspended Solids	APHA 24th Ed., 2023,2540 -D	<30	mg/L	BDL(MDL:4.0)
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	11.6
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	3
5.	Residual Free Chlorine	APHA 24th Ed., 2023 4500-Cl, G	0.5 (min.)	mg/L	1.43
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC/24/09/AIL-0172
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	30/09/2024
		Customer's Ref.	--
Sample Details	STP Inlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	27/09/2024	Sample Received Date	27/09/2024
Test Started Date	27/09/2024	Test Completion Date	30/09/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/09/AIL-0172		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment		
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:				
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	7.30
2.	Total Suspended Solids	APHA 24th Ed.,2023,2540 -D	mg/L	75
GENERAL CHEMICAL PARAMETERS:				
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	mg/L	207.2
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	mg/L	58
5.	Residual Free Chlorine	APHA 24th Ed.,2023 4500-Cl, G	mg/L	BDL(MDL:0.1)
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit,				

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

Checked By:



Niles C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

ULR No.	----	Report No.	URC/24/09/AIL-0173
Name & Address of Customer	M/s. AARTI INDUSTRIES LTD. (UNIT-I NEO) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	30/09/2024
		Customer's Ref.	--
Sample Details	STP Outlet Water Sample	Location	--
Sample Qty.	2 Lit.	Appearance	Colorless
Sampling Date	27/09/2024	Sample Received Date	27/09/2024
Test Started Date	27/09/2024	Test Completion Date	30/09/2024
Sampled By	UERL-Lab.	Sampling Method	--
UERL Lab ID. No.	24/09/AIL-0173		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Permissible Limits (G.P.C.B.)	Unit of Measurement	Results
PHYSIO-CHEMICAL PARAMETERS:					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	--	7.49
2.	Total Suspended Solids	APHA 24th Ed.,2023,2540 -D	<30	mg/L	BDL(MDL:4.0)
GENERAL CHEMICAL PARAMETERS:					
3.	Chemical Oxygen Demand (COD)	IS 3025 (Part 58):2023	--	mg/L	4.1
4.	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS 3025(Part 44):2023	<20	mg/L	2
5.	Residual Free Chlorine	APHA 24th Ed.,2023 4500-Cl, G	0.5 (min.)	mg/L	0.86
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, Remarks: --					
Opinion & Interpretation (If required): --					

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

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

QCI NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-I)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

**TEST REPORT
(Microbiology)**

ULR No.	: --	Report No.	: URB/24/09/AIL-001
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date of Report	: 11/09/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 05/09/2024	Sample Receipt Date	: 06/09/2024
Test Start Date	: 06/09/2024	Test Completion Date	: 11/09/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/09/AIL-001		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)


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

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

QCI NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-1)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/09/AIL-002
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 16/09/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 11/09/2024	Sample Receipt Date	: 11/09/2024
Test Start Date	: 12/09/2024	Test Completion Date	: 16/09/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/09/AIL-002		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

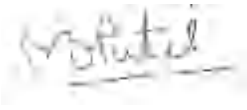
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/09/AIL-003
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 26/09/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 21/09/2024	Sample Receipt Date	: 23/09/2024
Test Start Date	: 23/09/2024	Test Completion Date	: 26/09/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/09/AIL-003		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

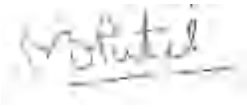
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

QCI NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-I)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/09/AIL-004
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 30/09/2024
		Customer's Ref.	: --
Sample Details	: STP Inlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 27/09/2024	Sample Receipt Date	: 27/09/2024
Test Start Date	: 30/09/2024	Test Completion Date	: 30/09/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/09/AIL-004		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	83

Remarks: --

Opinions and Interpretations: (if required)

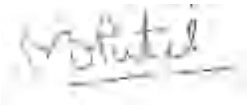
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

QCI NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-1)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(Microbiology)

ULR No.	: --	Report No.	: URB/24/09/AIL-005
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED. (UNIT-1 NEO PLANT) PLOT NO. Z-103/H, SEZ PART-II, DAHEJ-392130, BHARUCH, GUJARAT.	Date Of Report	: 30/09/2024
		Customer's Ref.	: --
Sample Details	: STP Outlet Water Sample	Location	: --
Sample Qty.	: 500ml	Appearance	: Colourless
Sampling Date	: 27/09/2024	Sample Receipt Date	: 27/09/2024
Test Start Date	: 27/09/2024	Test Completion Date	: 30/09/2024
Sampled By	: UERL-Lab.	Sampling Method	: --
UERL Lab ID. No.	: 24/09/AIL-005		

TEST RESULTS:

DISCIPLINE : Biological Testing			GROUP: Pollution and Environment	
Sr. No.	Test Parameter	Test Method	Unit of Measurement	Results
1	Fecal Coliform	IS 1622:1981	MPN Index/100ml	<2

Remarks: --

Opinions and Interpretations: (if required)

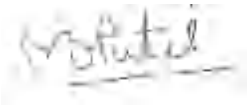
***** End of Report *****

Checked By



Shweta Rana
(Microbiologist)

Authorized By



Meera D. Patel
(Sr. Microbiologist)

2.0 STACK MONITORING REPORT



Period: April - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

MGEF&DC (GOI) - Recognized Environmental
Laboratory under the EPA 1986 (31.03.2023 to 22.09.2024)

QC/NABET Accredited QA & QW
Consultant Organization

CPCL Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/04/AIL-1/S-005	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-005	Service Request Date	30/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/005
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	30/04/2024	Date of Testing	01/05/2024
Stack Sampling Attached to	Scrubber Attached to Hydrolysis Process		
Fuel Used	--		
Air Pollution Control Device	Caustic Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2024	Next Calibration Due On	02/02/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	35

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Hydrochloric Acid as HCl	mg/Nm ³	BDL (MDL:1.0)	20	Argentometric Method
2.	VOCS	PPM	3.1	**	GC Method

Note: BDL: Below Detection Limit.

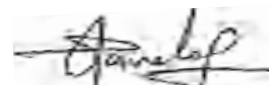
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

2.0 STACK MONITORING REPORT



Period: May - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

MOEF,DC (GOI) Recognized Environmental
Laboratory under the EPA 1986 (31.03.2023 to 22.09.2024)

QC/NABET Accredited QA & QW
Consultant Organization

CPCL Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/05/AIL-1/S-005	Report Issue Date	01/06/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-005	Service Request Date	21/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/005
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/05/2024	Date of Testing	22/05/2024
Stack Sampling Attached to	Scrubber Attached to Hydrolysis Process		
Fuel Used	--		
Air Pollution Control Device	Caustic Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2024	Next Calibration Due On	02/02/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	36

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Hydrochloric Acid as HCl	mg/Nm ³	BDL (MDL:1.0)	20	Argentometric Method
2.	VOCS	PPM	3.2	**	GC Method

Note: BDL: Below Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/06/AIL-1/S-005	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	26/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/005
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	26/06/2024	Date of Testing	27/06/2024
Stack Sampling Attached to	Scrubber Attached to Hydrolysis Process		
Fuel Used	--		
Air Pollution Control Device	Caustic Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2024	Next Calibration Due On	02/02/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	33

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Hydrochloric Acid as HCl	mg/Nm ³	BDL (MDL:1.0)	20	Argentometric Method
2.	VOCS	PPM	2.9	**	GC Method

Note: BDL: Below Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/07/AIL-1/S-005	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	29/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/005
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	29/07/2024	Date of Testing	30/07/2024
Stack Sampling Attached to	Scrubber Attached to Hydrolysis Process		
Fuel Used	--		
Air Pollution Control Device	Caustic Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2024	Next Calibration Due On	02/02/2025

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Hydrochloric Acid as HCl	mg/Nm ³	BDL (MDL:1.0)	20	Argentometric Method
2.	VOCS	PPM	2.5	**	GC Method

Note: BDL: Below 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/24/09/AIL-1/S-005	Report Issue Date	30/09/2024
Service Request form No.	UERL/AIR/D/SRF/09/S-005	Service Request Date	27/09/2024
Sample ID No.	UERL/AIR/D/ID/S-24/09/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/09/005
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	27/09/2024	Date of Testing	28/09/2024
Stack Sampling Attached to	Scrubber Attached to Hydrolysis Process		
Fuel Used	--		
Air Pollution Control Device	Caustic Scrubber		

➤ **Details 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

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Hydrochloric Acid as HCl	mg/Nm ³	BDL (MDL:1.0)	20	Argentometric Method
2.	VOCS	PPM	2.4	**	GC Method

Note: BDL: Below Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandell
(Manager - Operations)

**TEST REPORT
STACK MONITORING**

Test Report No.	UERL/24/08/AIL-1/S-005	Report Issue Date	05/09/2024
Service Request form No.	UERL/AIR/D/SRF/08/S-005	Service Request Date	21/08/2024
Sample ID No.	UERL/AIR/D/ID/S-24/08/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/08/005
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/08/2024	Date of Testing	22/08/2024
Stack Sampling Attached to	Scrubber Attached to Hydrolysis Process		
Fuel Used	--		
Air Pollution Control Device	Caustic Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2024	Next Calibration Due On	02/02/2025

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Hydrochloric Acid as HCl	mg/Nm ³	BDL (MDL:1.0)	20	Argentometric Method
2.	VOCS	PPM	2.2	**	GC Method

Note: BDL: Below Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)



DAHEJ SEZ LIMITED

(A Joint Venture of GIDC & ONGC)

Office of Dahej SEZ Limited, Dahej SEZ Part-1,

At & Post - Dahej, Ta -Vagra, Dist - Bharuch (Gujarat)

Tele Number : 02641 - 256462, TeleFax No. : 02641 - 256466

Website : www.dahejsez.com, CIN - U45209GJ2004PLC044779

No.: DSL/DHJ/Aarti Ind. Ltd./2020/0321

Date: 25th Sep, 2020

To,

✓ Aarti Industries Ltd.

Plot No. Z/103/H,

Dahej SEZ Part-2.

Sub: Approval for development of green belt opposite to M/s. Tatva Chintan Pharmachem Pvt. Ltd. at Dahej SEZ Part - 2

Ref.: Your e-mail dated 25.09.2020

Dear Sir,

With reference to above & your e-mail dated 21.05.2020 regarding above subject matter, please refer our approval on e-mail dated 22.05.2020. It is requested to start the development of green belt in consultation with our Horticulture Supervisor, Mr. Ankit - Mo.: 9925898471 & Site Engineer, Mr. A. B. Padhiyar - Mo.: 9879550485.

DSL will provide all support to M/s. Aarti Ind. Ltd. for development of green belt in Dahej SEZ Area.

Thanking you,

Yours faithfully,

Manager (Infra.)
Dahej SEZ Limited.

Copy to:

1. Horticulture Supervisor, DSL, Dahej
2. Site Engineer, DSL, Dahej

SEZ PART - II

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



LEGEND	
	SEZ BOUNDARY
	ROAD
	PLOT BOUNDARY
	UTILITY CORRIDOR
	GIDC ROAD (ONLY SIDE SEZ)
	NON-PROCESSING AREA
	PLOT NUMBER
	CRZ LINE (V)
	CRZ LINE (R)

NOTE:

- 1. ALL DIMENSIONS ARE IN METERS.
- 2. ANY DISCREPANCY IN THE DRG. OR PLAN MUST BE NOTIFIED TO C.E.O.
- 3. NO PART OF THIS PLAN SHOULD BE CHANGED WITHOUT CONSENT OF THE C.E.O.
- 4. THE ROAD WIDTH REFER TO THE ROAD RIGHT OF WAY.
- 5. THE MAP WAS COMPUTERIZED BY S.K. RAJWAR ON AUTOCAD IN DRG. NO. 1999/1998.
- 6. THE DEVELOPMENT PLAN WAS RECEIVED IN DRG. NO. 88/1998.
- 7. DEVELOPMENT PLAN OF DATED SEZ IS WITHDRAWN IN THE...

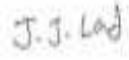


FORM NO. 37
(Prescribed under Rule 12-B)

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

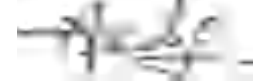
Test Report No. UERL/24/04/WAM-AIL-U1-001

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej - 392 130, Gujarat.
2. Name of the Department / Plant: - **Coal Storage**
3. Raw materials, by-products and finished products involved in the process: - **Raw Material & Product- Coal.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **29/04/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near Coal Yard Area	Total Dust	Handy Sampler	01	2.92	2.92	10 mg/m ³	NIOSH0600	05	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/24/04/WAM-AIL-U1-002

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - **MEE Plant**
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) **Untreated Effluent Water**, 2) Product- **Condensate Water**.
4. Particulars of sampling: - **Work Place Monitoring**.
5. Date of Monitoring: - **29/04/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	MEE Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEE Plant (1st Floor)			01	BDL	BDL	**					
3	MEE Plant (2nd Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

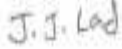
(Manager - Operations)

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

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

Test Report No. UERL/24/04/WAM-AIL-U1-003

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - **MEA Plant**
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) --, 2) Product- **Ethylation & Propylation Product.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **29/04/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	MEA Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEA Plant (1st Floor)			01	BDL	BDL	**					
3	MEA Plant (2nd Floor)			01	BDL	BDL	**					
4	MEA Plant (Top Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

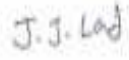
(Manager - Operations)

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

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

Test Report No. UERL/24/05/WAM-AIL-U1-001

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej - 392 130, Gujarat.
2. Name of the Department / Plant: - **Coal Storage**
3. Raw materials, by-products and finished products involved in the process: - **Raw Material & Product- Coal.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **21/05/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near Coal Yard Area	Total Dust	Handy Sampler	01	1.80	1.80	10 mg/m ³	NIOSH0600	05	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/24/05/WAM-AIL-U1-002

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - **MEE Plant**
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) **Untreated Effluent Water**, 2) **Product- Condensate Water.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **21/05/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	MEE Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEE Plant (1st Floor)			01	BDL	BDL	**					
3	MEE Plant (2nd Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

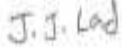
(Manager - Operations)

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

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

Test Report No. UERL/24/05/WAM-AIL-U1-003

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - MEA Plant
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) --, 2) Product- Ethylation & Propylation Product.
4. Particulars of sampling: - Work Place Monitoring.
5. Date of Monitoring: - 21/05/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	MEA Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEA Plant (1st Floor)			01	BDL	BDL	**					
3	MEA Plant (2nd Floor)			01	BDL	BDL	**					
4	MEA Plant (Top Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

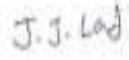
(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U1-001

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej - 392 130, Gujarat.
2. Name of the Department / Plant: - **Coal Storage**
3. Raw materials, by-products and finished products involved in the process: - **Raw Material & Product- Coal.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **26/06/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near Coal Yard Area	Total Dust	Handy Sampler	01	1.72	1.72	10 mg/m ³	NIOSH0600	05	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/24/06/WAM-AIL-U1-002

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - **MEE Plant**
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) **Untreated Effluent Water**, 2) Product- **Condensate Water**.
4. Particulars of sampling: - **Work Place Monitoring**.
5. Date of Monitoring: - **26/06/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	MEE Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEE Plant (1st Floor)			01	BDL	BDL	**					
3	MEE Plant (2nd Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

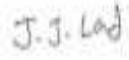
(Manager - Operations)

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

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

Test Report No. UERL/24/07/WAM-AIL-U1-001

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej - 392 130, Gujarat.
2. Name of the Department / Plant: - **Coal Storage**
3. Raw materials, by-products and finished products involved in the process: - **Raw Material & Product- Coal.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **29/07/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near Coal Yard Area	Total Dust	Handy Sampler	01	1.36	1.36	10 mg/m ³	NIOSH0600	05	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/24/07/WAM-AIL-U1-002

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - **MEE Plant**
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) **Untreated Effluent Water**, 2) **Product- Condensate Water.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **29/07/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	MEE Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEE Plant (1st Floor)			01	BDL	BDL	**					
3	MEE Plant (2nd Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

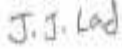
(Manager - Operations)

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

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

Test Report No. UERL/24/07/WAM-AIL-U1-003

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - **MEA Plant**
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) --, 2) Product- **Ethylation & Propylation Product.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **29/07/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	MEA Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEA Plant (1st Floor)			01	BDL	BDL	**					
3	MEA Plant (2nd Floor)			01	BDL	BDL	**					
4	MEA Plant (Top Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

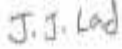
(Manager - Operations)

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

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

Test Report No. UERL/24/06/WAM-AIL-U1-003

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - MEA Plant
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) --, 2) Product- Ethylation & Propylation Product.
4. Particulars of sampling: - Work Place Monitoring.
5. Date of Monitoring: - 26/06/2024

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	MEA Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEA Plant (1st Floor)			01	BDL	BDL	**					
3	MEA Plant (2nd Floor)			01	BDL	BDL	**					
4	MEA Plant (Top Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

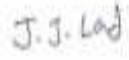
(Manager - Operations)

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/24/08/WAM-AIL-U1-001

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej - 392 130, Gujarat.
2. Name of the Department / Plant: - **Coal Storage**
3. Raw materials, by-products and finished products involved in the process: - **Raw Material & Product- Coal.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **21/08/2024**

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 Coal Yard Area	Total Dust	Handy Sampler	01	1.43	1.43	10 mg/m ³	NIOSH0600	05	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/24/08/WAM-AIL-U1-002

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - **MEE Plant**
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) **Untreated Effluent Water**, 2) Product- **Condensate Water**.
4. Particulars of sampling: - **Work Place Monitoring**.
5. Date of Monitoring: - **21/08/2024**

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	MEE Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEE Plant (1st Floor)			01	BDL	BDL	**					
3	MEE Plant (2nd Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

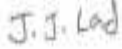
(Manager - Operations)

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/24/08/WAM-AIL-U1-003

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - **MEA Plant**
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) --, 2) Product- **Ethylation & Propylation Product.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **21/08/2024**

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	MEA Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEA Plant (1st Floor)			01	BDL	BDL	**					
3	MEA Plant (2nd Floor)			01	BDL	BDL	**					
4	MEA Plant (Top Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

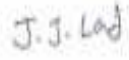
(Manager - Operations)

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

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


Test Report No. UERL/24/09/WAM-AIL-U1-001

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej - 392 130, Gujarat.
2. Name of the Department / Plant: - **Coal Storage**
3. Raw materials, by-products and finished products involved in the process: - **Raw Material & Product- Coal.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **27/09/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	Near Coal Yard Area	Total Dust	Handy Sampler	01	1.26	1.26	10 mg/m ³	NIOSH0600	05	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/24/09/WAM-AIL-U1-002

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - **MEE Plant**
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) **Untreated Effluent Water**, 2) Product- **Condensate Water**.
4. Particulars of sampling: - **Work Place Monitoring**.
5. Date of Monitoring: - **27/09/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	MEE Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEE Plant (1st Floor)			01	BDL	BDL	**					
3	MEE Plant (2nd Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) BDL- Below Detection Limit.

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

Authorized By:



Jaivik S. Tandel

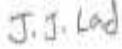
(Manager - Operations)

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

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

Test Report No. UERL/24/09/WAM-AIL-U1-003

1. Name of Industries: **M/s. Aarti Industries Ltd. (Dahej SEZ Unit Neo)**
Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.
2. Name of the Department / Plant: - **MEA Plant**
3. Raw materials, by-products and finished products involved in the process: - Raw Material:1) --, 2) Product- **Ethylation & Propylation Product.**
4. Particulars of sampling: - **Work Place Monitoring.**
5. Date of Monitoring: - **27/09/2024**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Airborne Contamination		Average	TWA Concentration (As Given in Schedule-II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
				Number of Samples	Range							
1	MEA Plant (Ground Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL	BDL	**	GC Method	05	All Process Activities are running.		JITEN LAD
2	MEA Plant (1st Floor)			01	BDL	BDL	**					
3	MEA Plant (2nd Floor)			01	BDL	BDL	**					
4	MEA Plant (Top Floor)			01	BDL	BDL	**					

NOTE: (1) ** Limit has not been defined as per factory act. (2) 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)

Ref: AIL/DHJ/NEO/ENV/2024-25/008

Date: 05/06/2024

ID: 41201

To,
The Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhavan, Sector – 10 / A
Gandhinagar – 382 043

Subject : Annual Return on Management of Hazardous Waste for Apr 2023-March 2024.

Reference : The Hazardous And other Wastes (Management & Transboundary Movement) Rules 2016 & amended thereafter

Respected Sir,

In reference to the above mentioned subject we are enclosing herewith the Annual Return (Form 4) for the period April - 2023 To March - 2024 in Form-3 and Form-4 for Aarti Industries Limited (Unit-1) located at Z/103/H, Tal. Vagra, Dahej SEZ - II, Dist. Bharuch - 392130.

We hope that the above is in order.

Thanking you

Yours faithfully

For, Aarti Industries Limited (Unit-1)


Authorized Signatory



Encl : as above

CC: The Regional Officer, GPCB, Bharuch
The Unit Head Bharuch, GPCB, Gandhinagar

Bharuch 7/6/24
Post Received
Gujarat Pollution Control Board
BHARUCH

To,
The Unit Head (Hazardous waste cell),
Gujarat Pollution Control Board,
Gandhinagar.

Subject: Intimation for Sale of Aluminium Hydroxide -Al(OH)₃ under Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Respected Sir,

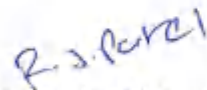
With reference to the above-mentioned subject, we would like to send the Aluminium Hydroxide Al(OH)₃ to **M/s. Sinhal Brothers (XGN ID 14145)** located at Ranipur Patia, Opp. Cozy Hotel, Narol, Ahmedabad - 382405, Gujarat, who applied for Rule-9 application for utilization of Aluminium Hydroxide Al(OH)₃.

Copy of the CC&A of our Unit is attached as **Annexure-I** and valid CCA of **M/s. Sinhal Brothers** is attached as **Annexure-II**. We have also entered into MOU which is enclosed herewith as **Annexure-III**.

Also, the industry has applied for permission under Rule-9 of H&OW Rule-2016 to CPCB as well as GPCB to utilize Aluminium Hydroxide Al(OH)₃ in ETP as a neutralizing agent in ETP. A copy of the Rule-9 application is enclosed herewith as **Annexure-IV**.

We are submitting this letter for your kind consideration and your information.

Thanking you,
For **M/s. Aarti Industries Limited**


Authorized Signatory



CC to :

1. The Unit Head (Bharuch), GPCB Gandhinagar.
2. The Regional Office, GPCB Bharuch.


Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010

'Format *for obtaining approval from the Central Pollution Control Board under the Rule 9 of the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2016

1. General Information					
1.1	Name & Address of the unit: M/s. Pradip Overseas Limited Plot No. 104, 105, 144-146, Chacharwadi Vasna, Taluka: Sanand, Dist. Ahmedabad-382213, Gujarat				
1.2	Correspondence Address : M/s. Pradip Overseas Limited Plot No. 104, 105, 144-146, Chacharwadi Vasna, Taluka: Sanand, Dist. Ahmedabad-382213, Gujarat				
1.3	Contact Person Name Mr. A N Saboo				
1.4	Contact No. 99798 50476				
1.5	State Gujarat				
1.6	Email. sabooan@rediffmail.com pradipoverseashr@gmail.com				
2. Details of hazardous waste to be utilized					
2.1	Name and Address of Hazardous Waste Generating Industry Names of all Industries from <table border="1"> <thead> <tr> <th>S.N.</th> <th>Sodium Aluminium Hydroxide Generating Industry</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>M/s. Aarti Industries Limited Plot No. Z/103/H, Dahej SEZ-II, Dahej-392110, Taluka: Vagra, Dist: Bharuch, Gujarat.</td> </tr> </tbody> </table>	S.N.	Sodium Aluminium Hydroxide Generating Industry	1.	M/s. Aarti Industries Limited Plot No. Z/103/H, Dahej SEZ-II, Dahej-392110, Taluka: Vagra, Dist: Bharuch, Gujarat.
S.N.	Sodium Aluminium Hydroxide Generating Industry				
1.	M/s. Aarti Industries Limited Plot No. Z/103/H, Dahej SEZ-II, Dahej-392110, Taluka: Vagra, Dist: Bharuch, Gujarat.				
2.2	NAME/TYPE of the hazardous wastes including category (as per the Schedule 1) intended for Utilization: Name of hazardous waste: Aluminium Hydroxide Category: 26.1, Schedule-I				
2.3	Detailed characteristics of hazardous waste proposed for utilization: Detailed characteristics of the hazardous waste is attached as Annexure-I (Aluminium Hydroxide Assay Report)				
2.4	Details of process from which such hazardous waste is generated: Manufacturing process from where Aluminium Hydroxide is attached as Annexure-II .				
3 Details of utilization of hazardous wastes in Product Manufacturing					
3.1	Proposed quantity (in MTA) of hazardous waste to be utilized Aluminium Hydroxide (on dry basis) :300 MT/Annum (6000 MT/Annum to 7500 MT/Annum when Aluminium Hydroxide solution 4-5 %)				
3.2	Process details for utilization of hazardous waste and its flow diagram: Aluminium Hydroxide will be used in the effluent treatment. the details attached as Annexure- III .				
3.3	Please attach a copy of air Copy of Consolidated Consent and Authorization is				

	consent to Establish, Consent to Operate (Air and/or Water) and authorization	attached as Annexure-IV Vide AWH-102212, valid upto 31.03.2024.
3.4	Expected Generation of Air Emission (Source and fugitive), Wastewater Generation, Solid Waste generation including HW from the proposed utilization process	<p>Air Emission: No additional emission will be generate from this proposed process.</p> <p>Waste Water Generation No additional waste water will be generate from this proposed process.</p> <p>Waste Water Generation No additional hazardous waste will be generate from this proposed process.</p>
3.5	Material Balance with and without utilizing hazardous wastes, in case the waste is proposed for utilization /co-processing in an already existing process	<p>Not Applicable</p> <p>Since material is being utilized in ETP as neutralizer and in flocculant.</p> <p>Unit is involve in dyeing, printing and processing of cloth which is attached PFD is attached as Annexure-V.</p>
3.6	Quantity of Fuel and /or raw material that are expected to be conserve (in % of raw material replaced) from the proposed utilization	Fresh Aluminium Hydroxide will be replaced and conserve by using Aluminium Hydroxide solution.
3.7	Data including characteristics pertaining to air emissions, waste water generation and other solid wastes including hazardous waste expected to be generated during utilization of hazardous wastes.	<p>Air Emission: No additional emission will be generate from this proposed process.</p> <p>Waste Water Generation No additional waste water will be generate from this proposed process.</p> <p>Waste Water Generation No additional hazardous waste will be generate from this proposed process.</p>
3.8	Details of findings of laboratory/pilot scale study, international practice etc.	Aluminium Hydroxide will be used in ETP as neutralizer and flocculant.

3.9	Name of the product (to be manufactured from utilization of hazardous waste), if any, its characteristics and where the same will be used and in which process:	Not any product generated.
3.10	Specifications of product derived with and without utilization of the aforesaid hazardous waste Utilized (Please also provide BIS or other specifications of the product, as applicable)	Aluminium Hydroxide will be used in ETP as neutralizer and flocculant.
4. ADDITIONAL DETAILS OF UTILIZATION OF HAZARDOUS AND OTHER WASTES IN ETP/CETP		
4.1	Name of chemical being currently used as neutralizing/coagulating agent/others	Sulphuric Acid is being used currently
4.2	Consumption of quantity of chemical being currently used as neutralizer/coagulant/others in terms of per MLD	0.2 KL/Day of sulphuric acid is being used. sulphuric acid is being required per KL of effluent water for treatment.
4.3	Proposed dosing of hazardous waste in terms of per MLD	Total 15 MT Per Day (considering 4-5 % Aluminium Hydroxide Solution) 10 MT per day for Neutralization and 5 MT for Flocculation
4.4	Current intake of CETP/ETP(monthly average)	Current intake of water is around 550 KLD.
4.5	Details of ETP/CETP along with various intermediates treatment units and expected impact by the said utilization on the treated	No adverse impact of using spent Aluminium Hydroxide is envisage. Details of ETP Equipment and its capacity Collection Tank: 200 KL

	waste water	<p>Neutralization Tank: 3000 KL</p> <p>Oxidation tank: 4900 KL and 5100 KL</p> <p>Secondary clarifier: 200 KL</p> <p>Tertiary Clarifier (Lemmela pack 600 KL)</p>
5. DETAILS OF UTILIZATION OF HAZARDOUS AND OTHER WASTES IN ENERGY RECOVERY		
5.1	Name of the material that is being currently used as fuel for energy source and its calorific value:.	Not applicable
5.2	Consumption of quantity of fuel that is being currently used as fuel in terms of MTA	Not applicable
5.3	Details of the hazardous waste proposed to be utilized with their calorific value, proximate analysis, ultimate analysis and expected impact by said utilization as emissions	Not applicable
5.4	Name and details of the furnace/boiler/kiln that is used in the utilization process with working principle and its operational conditions	Not Applicable



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सत्यमेव जयते

INDIA NON JUDICIAL Government of Gujarat Certificate of Stamp Duty

Book No. A101
 Page No. 138
 Serial No. 1516
 Date 26 MAR 2024

Certificate No. : IN-GJ55094009188144W
 Certificate Issued Date : 26-Mar-2024 01:24 PM
 Account Reference : CSCACC (GV)/ gjcsceg07/ GJ-AHJAS0311/ GJ-AH
 Unique Doc. Reference : SUBIN-GJGJCSCEG0731453492076497W
 Purchased by : PRADIP OVERSEAS PVT LTD
 Description of Document : Article 5(h) Agreement (not otherwise provided for)
 Description : MOU
 Consideration Price (Rs.) : 0
 (Zero)
 First Party : PRADIP OVERSEAS PVT LTD
 Second Party : AARTI INDUSTRIES LIMITED
 Stamp Duty Paid By : PRADIP OVERSEAS PVT LTD
 Stamp Duty Amount(Rs.) : 300
 (Three Hundred only)



1300



TTC 0004275939

VOID

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate
3. In case of any discrepancy please inform the Competent Authority

IN-GJ55094009188144W 26-Mar-2024 01:24 PM

PRADIP OVERSEAS PVT LTD PRADIP OVERSEAS PVT LTD PRADIP OVERSEAS PVT LTD PRADIP OVERSEAS PVT LTD PRADIP OVERSEAS PVT LTD



verified at
application
stamps of which

any alteration to this certificate renders it invalid and would
constitute a criminal offence.

- Kindly contact Stock Holding Branch / Centre in case of discrepancy.
- For information related to e-Stamping you may write to us on our email id estamp.ahmedabad@stockholding.com or visit our Branch/Centre.

સુચના

- આ ઈ-સ્ટેમ્પ પ્રમાણપત્રની વિગતો www.shcilestamp.com દ્વારા અથવા સ્ટોક હોલ્ડિંગની "ઈસ્ટેમ્પિંગ" મોબાઈલ એપ્લિકેશન અથવા સ્ટોક હોલ્ડિંગની શાખા / કેન્દ્ર (જેની વિગતો www.stockholding.com પર ઉપલબ્ધ છે) પર જઈ ને ચકાસી શકાય છે.
- આ પ્રમાણપત્રમાં કરેલ કોઈપણ ફેરફાર અમાન્ય છે અને તે ફોજદારી ગુનો બને છે.
- આ ઈ-સ્ટેમ્પ પ્રમાણપત્રમાં કોઈપણ વિસંગતતા જણાય તો સ્ટોક હોલ્ડિંગની શાખા / કેન્દ્ર પર સંપર્ક કરવો.
- ઈ-સ્ટેમ્પિંગ સંબંધિત જાણકારી માટે અમને estamp.ahmedabad@stockholding.com પર ઈ-મેઈલ કરવો અથવા અમારી શાખા / કેન્દ્ર ની મુલાકાત લેવી.





**MEMORANDUM OF UNDERSTANDING
BETWEEN**

Particulars	Generator	Utilizer
Name	M/s. Aarti Industries Limited (Dahej)	M/s. Pradip Overseas Pvt. Ltd.
Address	Plot No. Z/103/H, Dahaj SEZ-II, Tal Yagra, Dist: Bharuch, Gujarat	Block No/ 104, 105, 144-146, Chacharwardi - 382213, Tal. Sanand, Dist. Ahmedabad
CC&A No./ Consent No.	AWII-131146 Issued on 02.03.2024 Valid up to 19.05.2028	WH-133069 Issued on 15.03.2024 Valid up to 31.03.2029
CC&A/Consent Issuer	Gujarat Pollution Control Board, Gujarat	Gujarat Pollution Control Board, Gujarat
Name of Hazardous Waste	Aluminium Hydroxide- Al(OH) ₃	
CC&A/Rule-9 application Quantity	25543 MT/Year	7500 MT/Year
MOU Quantity	7500 MT/Year	
Validity of MOU	Validity till Expiry of Consent/CC&A of either generator or Utilizer/End user, whichever earlier	

The particulars of this MOU including terms and conditions between the Generator & the Supplier are mentioned herewith:

That

As a part of this MOU, the Utilizer/End user has agreed to accept the Hazardous Waste generated from the manufacturing activities of the Generator;

Hazardous Waste shall be sent with the proper online manifest generated through GPCB XGN site invariably.

Hazardous Waste shall be transported through AIS-140 compliant Global Positioning System (GPS) enabled dedicated tankers/trucks only.

- Both the parties, the Generator and the Utilizer/End user, shall install and operate CCTV surveillance system with 24x7 recordings at their factory premises and at least one month's storage of footage be made available for inspection at any given point of time.
- The Transporter shall be responsible in case of any illegal disposal of Hazardous waste during the transportation and shall safely transport the waste from the premises of the Generator till the premises of the Utilizer/End user.
- Both the parties, the Generator and the Utilizer/End user, shall keep record of inventory of Hazardous waste generation, reception, disposal & utilization (as applicable) as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and shall make inventory available for inspection.
- The End user shall submit the certificate of receipt and utilization of Hazardous Waste (inventory) on a monthly basis to the generator.
- The End User shall not exceed the permitted/applied quantity of Hazardous waste from all generators.
- Both the parties, the Generator and the Utilizer/End user, shall strictly follow CPCB guidelines of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and its amendments.

For Aarti Industries Limited

Authorized Signatories

For, PRADIP OVERSEAS LTD.

AUTH. SIGN.





10. The end-user has to apply for Authorization immediately once CPCB releases SOP.
11. Transporter shall be responsible for the compliance of Motor Vehicle Act, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and Rules framed thereunder for carrying Hazardous Chemicals/waste.
Transporter selection by generator/end user shall be as per the HWM Rules 2016, Vehicle Act, and other related rules & regulations.
The Transporter shall ensure that the trucks shall be dedicated for transportation of hazardous wastes and shall not be used for any other purposes.
14. The Transporter shall ensure the cleaning of vehicles carrying Hazardous waste shall be carried out at designated places duly authorized by respective Pollution Control Board/Committee.
15. Utilizer/End users shall ensure returning of duly signed and stamped copy of manifest system (Copy-6) to generator as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
16. Utilizer/End users shall ensure to accept the manifest on GPCB XGN site after receiving the consignment of waste as per GPCB-XGN requirements.
17. Utilizer/End users shall ensure return of duly signed and stamped copy of manifest system (Copy-4) to the transporter after accepting the consignment of hazardous waste as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
18. Transporters shall be responsible for maintaining the record of Manifest system-Copy-4 at their end for inspection/verification.
19. Utilizer/End users shall ensure written communication to Generator through mail for acceptance of consignment with receipt vehicle photo at the end users gate and integrity of seal applied on valves/manholes of the vehicles carrying hazardous waste.

**M/s. Aarti Industries Limited
(Dahej)**

Authorized Signatory



M/s. Pradip Overseas Pvt. Ltd.

Authorized Signatory



**SIGNED
BEFORE ME**
Altaf
**ALTAF N. MALIK
NOTARY
GOVT. OF INDIA**

26 MAR 2024

GOVERNMENT OF INDIA



आयकर विभाग
INCOME TAX DEPARTMENT



PRADIP OVERSEAS LIMITED

भारत सरकार
GOVT. OF INDIA



29/06/2005

Permanent Account Number

AACCC6293J

26102007



For, PRADIP OVERSEAS LTD

AUTH. SIGN.



સામાજિક સુવિધા સરકાર
Government of India

સાબુ ખલખનિરજન
Saboo Alakhniranjan
જન્મ તારીખ / DOB 04/11/1955
પુરુષ / Male

2959 8493 5567

આધાર - સામાન્ય માણસનો અધિકાર



For, PRADIR OVERSEAS LTD.

[Signature]
AUTH. SIGN.

સામાજિક સુવિધા સરકાર પ્રાધિકારણ
Social Security Authority of India

આધાર

સરનામું: નો પુત્ર: રામબાબુ, 105, રાજધાની બંચ્લોજ, રામ વાડી મંદિર પાસે, અમદાવાદ શહેર, અમદાવાદ, ઉસનપુર, ગુજરાત, 382443	Address: S/O: Rambaboo, 105, Rajdhani Bungalows, Nr Ram Wadi Mandir, Ahmedabad City, Ahmedabad, Isanpur, Gujarat, 382443
--	--

2959 8493 5567

1947 1800 300 1947 help@uidai.gov.in www.uidai.gov.in



महाराष्ट्र MAHARASHTRA

2022

BX 438304



Service Agreement

This Service Agreement (hereinafter referred to as the "Agreement"), is made at Mumbai and entered into this on 17th day of May 2023.

By and between

AARTI INDUSTRIES LTD, a Company incorporated under the Companies Act, 1956 and having its corporate office at 71, Udyog Kshetra, 2nd floor, Mulund Goregoan Link Road, Mulund (West), Mumbai-400080, Maharashtra, India. (hereinafter referred to as "First Party/AARTI INDUSTRIES LTD"), which expression shall, unless repugnant to the context or meaning thereof, mean and include its legal representatives, administrators, executors, successors and permitted assigns) of the One part.

And



जोडपत्र - २

24 MAR 2023

मुद्रांक शिष्टी नोंदपत्री
मुद्रांक नं. 638441 दिनांक

कालाची प्रकार -

कालाची करणार आहे का ? होय/नाही

दिनांकची दुरुव्यात सर्जन -

मुद्रांक विकत घेणाऱ्याचे नांव - **AARTI INDUSTRIES LTD.**
UDYOG KSHETRA, 2nd FLOOR,
L.B.S. MARG, MULUND GOREGAON,
पत्त ब लही - **LINK ROAD, MULUND (W),**
MUMBAI - 400 080.

मुद्रांक पहाकाराचे नांव -

मुद्रांक शुल्क रक्कम -

मुद्रांक विक्रेत्याची ठाणी - (शंकर साहेबराव कादम)

मुद्रांक विक्रेत्याची ठिकाण/पत्ता - ठाणे शिवाजी नगर न्यायालय,

ठाणे (प.) - ४०० ६०१.

परवाना मुद्रांक क्रमांक - १२०५०१९

ज्या कारणासाठी ज्यांनी मुद्रांक खरेदी केला त्यांनी
त्याच कारणासाठी मुद्रांक खरेदी केल्यापासून
६ महिन्यांत बापरणे मंथनकारक आहे.

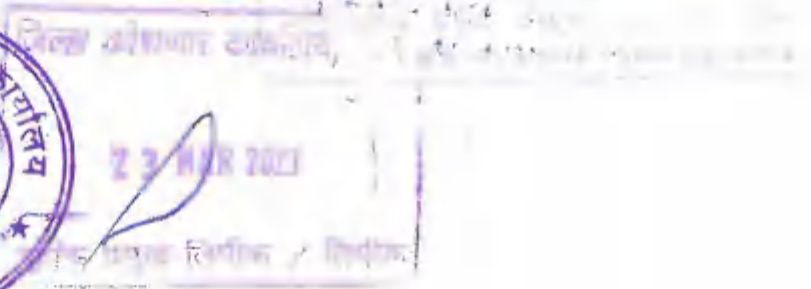




महाराष्ट्र MAHARASHTRA

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And

Ambuja Cements Limited, a Company incorporated under the Companies Act, 1956 and having its Registered Office at **Shantigram Road, Near Vaishnav Devi Circle, S. G. Highway, Shantigram, Gujarat 382421** having its division/ unit/ section as "Geocycle" that provides specialized services for thermal destruction or recovery of hazardous/ non Hazardous waste material in cement kilns(hereinafter referred to as "Second Party/ACL", which expression shall, unless repugnant to the context or meaning thereof, mean and include its legal representatives, administrators, executors, successors & permitted assigns) of the Other part.



जोडपत्र - २

29 MAR 2023

मुद्रांक दिवस मीमांसा

मुद्रांक क्रमांक ७२२६५५ दिनांक

स्वतंत्र प्रकार -

इस मीमांसा करणार आहे का ? होय/नाही

मिळवणारी संस्था/व्यक्ति -

मुद्रांक विकत घेणार्याचे नांव - **AARTI INDUSTRIES LTD.**
इसते जसल्यास त्यांचे नांव, **2nd FLOOR,**
पत्ता व शहर - **L.B.S. MARG, MULUND GOREGAON,**
LINK ROAD, MULUND (W),
MUMBAI - 400 080.

दुसऱ्या व्यक्तीचे नांव -

मुद्रांक शुल्क रकम -

मुद्रांक विक्रेत्याची सही - (शंकर भाईराव यादव)

मुद्रांक दिवस वेळापत्र/पत्र - ताचे मुद्रांक न्यायालय

दिवस (प.) - २००६०५

परवाना मुद्रांक क्रमांक - १२०१०३५

या कागदावरील मुद्रांक खरेदी केला त्यांनी
स्वातंत्र्य कार्यवाही मुद्रांक खरेदी केल्याबाबत
& लक्षितबाबत वापरणे बंधनकारक आहे.



WHEREAS, AARTI INDUSTRIES LTD is, engaged in the business of Manufacturing Specialty Chemicals & intermediates and having its Plant situated at PLOT NO: Z/103/H, SEZ-II, Dahej, Tal: Vagra, Dist-Bharuch Gujarat (hereinafter referred to as "Manufacturing Plant") and is in search of a cost effective and environment- friendly method of disposing of Hazardous Mix solid waste, category 33.1 as mentioned in Annexure A (hereinafter referred to as the "Waste Material") which are categorized as Hazardous Waste as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.

AND WHEREAS, ACL is in the business of manufacturing and sale of different types and grades of cement and has the capability to dispose of the waste materials in an environment friendly as per applicable laws manner in the cement kiln process having high temperature and long residence time (hereinafter referred to as "Co-Processing") while simultaneously producing a cement of desired quality.

AND WHEREAS, Geocycle is a business unit of ACL that provides specialized services for thermal destruction or recovery of hazardous/non hazardous waste material in cement kilns.

AND WHEREAS AARTI INDUSTRIES LTD has approached ACL for evaluating the feasibility of safe disposal of the Waste Material which is generated at its Manufacturing Plant, in an environment-friendly manner and based on the successful evaluation report, ACL has offered to Co-Process the Waste Material generated by AARTI INDUSTRIES LTD's, PLOT NO: Z/103/H, SEZ-II, Dahej, Tal: Vagra, Dist-Bharuch Gujarat Manufacturing Plant in the Cement Kiln at ACL's Ambujanagar Cement Works, Ambujanagar Cement works, Survey No. 315-320, 351-352, 395-410, P.O. Ambujanagar, Taluka-Kodinar, District - Gir, Somnath, Gujarat - 362715 (hereinafter referred to as the "Cement Plant").

AND WHEREAS, AARTI INDUSTRIES LTD and ACL have agreed that ACL shall provide the services of Co-Processing the Waste Material in the Cement Kiln at its Cement Plant (hereinafter referred to as the "Services"), subject to AARTI INDUSTRIES LTD and ACL obtaining all statutory clearances, consents, no objection certificate, writings and confirmations as may be applicable from various authorities and Government Agencies for the said purpose.

NOW, THEREFORE, for and in consideration of the foregoing premises and of the mutual covenant hereinafter stipulated, the Parties hereto, one with the other, do hereby agrees as follows:



1.0 Execution of Services

1.1 Scope

ACL shall during the Term of the Agreement (as set out in Clause 7 hereinbelow), provide the Services i.e. Co-Processing of all the consignments of Waste Material of AARTI INDUSTRIES LTD, delivered to the Cement Plant of ACL, which conform to the specification set out in Annexure A attached to the Agreement and which does not contain any of the item listed in the banned item list as set out in Annexure B attached to the Agreement.

1.2 General Responsibilities of the Parties

1.2.1 Quantity & Schedule of Delivery

1.2.1.1 AARTI INDUSTRIES LTD shall make available the agreed quantities of Waste Material generated at its Manufacturing Plant in a separate storage area as set out in Annexure D to ACL for the provision of Services and ACL shall provide the Services on the basis of the delivery schedule as decided by mutual discussion of both parties.

1.2.2 Packaging and Labeling

AARTI INDUSTRIES LTD shall arrange for the following, prior to dispatch of Waste Material to ACL:

1.2.2.1 Packaging of the materials will be as follows: -

Mix solid waste in Low Density Polyethylene (LDPE/HDPE) bag and lock with plastic lock or Jumbo bags in truck

1.2.2.2 Label every vehicle loaded with waste material with Form 8 as per format set out in Annexure C attached to the Agreement, both in English and Local Language and other relevant identification as stipulated under applicable laws.

1.2.2.3 Before Waste Material is loaded in the transportation facilities of ACL, AARTI INDUSTRIES LTD shall ensure that the said Waste Material is packed in a manner suitable for transportation (so that no leakage/Seepage shall occur during the transit and after reaching ACL's factory). The packing cost will be borne by AARTI INDUSTRIES LTD.

1.2.2.4 If and when an accident occurs while loading Waste Material at the AARTI INDUSTRIES LTD's site, AARTI INDUSTRIES LTD shall immediately report to ACL and State Pollution Control Board (SPCB) about the accident.

1.2.3 Testing for conformance (Lab Testing/inspection of Waste Material):

1.2.3.1 Upon finalized delivery schedule, ACL may arrange to appoint a representative, who may carry out the representative sampling/ inspect the waste, to make sure that the Waste Material is loaded in proper condition and the transporting vehicle is properly covered and tied up or not.

1.2.3.2 ACL shall, at its own expense, arrange to analyze the sample, in order to check whether the Waste Material conforms to Annexure A and Annexure B as set out in the Agreement and inform its acceptance/rejection as the case may be, to AARTI INDUSTRIES LTD within 10 (days) of carrying out of the representative sampling.



1.2.4 Roles/Responsibilities of the Parties, in case the Waste Material are not accepted:

1.2.4.1 In case, ACL is in receipt of any consignment that contains banned items or materials other than agreed between the parties as mentioned in Annexure A and/or the requirement under clause 1.2.2 (Packaging & labeling), then ACL shall be entitled to refuse the acceptance of such consignment and shall intimate the same to AARTI INDUSTRIES LTD within 24 hrs of the receipt of consignment at ACL's Plant. ACL shall arrange to transport that consignment within 48 hrs from the time of intimation from ACL on the refusal of acceptance of such consignment. AARTI INDUSTRIES LTD will bear the expense of transporting the rejected material back. ACL shall also ensure all its transport vehicle and be liable for any accident, death, injury or environment damages caused while in transit and AIL shall not be liable or responsible for the same.

1.2.5 Roles/Responsibilities of the Parties, in case the Waste Material is accepted/conforming in nature

1.2.5.1 Subject to accumulation of accepted and properly packed quantum of one/two truck load, ACL shall arrange for authorized transporter for transportation of Waste Material from AARTI INDUSTRIES LTD's Manufacturing Plant based on the mutually agreed delivery schedule and shall guide the transporter on the measures to be taken during transportation in case of any emergencies on the basis of the information provided by AARTI INDUSTRIES LTD for safe handling of the Waste Material as set out in Annexure F attached to the Agreement .

1.2.5.2 AARTI INDUSTRIES LTD shall be solely responsible for the loading of the accepted lots of Waste Material into the vehicle and also responsible for ensuring that all precautionary measures shall be complied with, to avoid any fire, explosion or accident during the loading of the Waste Material at AARTI INDUSTRIES LTD's Manufacturing Plant into vehicle provided by ACL and ACL may have the discretion to supervise/witness the loading activities of the accepted lot of Waste Material.

1.2.5.3 AARTI INDUSTRIES LTD shall provide orientation through training to the designated transporter of ACL on Health and Safety Rules as applicable at AARTI INDUSTRIES LTD's Manufacturing Plant and shall guide the transporter on the measures to be taken in case of emergency during transportation of Waste Material from AARTI INDUSTRIES LTD's Manufacturing Plant to ACL's Cement Plant.

1.2.5.4 AARTI INDUSTRIES LTD shall be responsible for the compliance of all statutory regulations and guidelines as applicable to its employees, agents or representatives engaged in loading, storage and handling of Waste Material at AARTI INDUSTRIES LTD's Manufacturing Plant for onward dispatch to the Cement Plant of ACL.



1.2.5.5 ACL shall be responsible for the compliance of all statutory regulations and guidelines as applicable to its employees, agents or representatives engaged in transportation from AARTI INDUSTRIES LTD's Manufacturing Plant to ACL's Cement Plant, unloading, storage, handling and Co-processing of Waste Material at its Cement Plant.

1.2.5.6 AARTI INDUSTRIES LTD shall provide to ACL all relevant information relating to safe handling and storage practices of the Waste Material while carrying out the sampling, testing, pre-processing (if any), during transportation, storage of the Waste Material at ACL's Cement Plant and provide reasonable assistance in inspection and confirmation of the suitability of the storage arrangement made by ACL at its Cement Plant to store the Waste Material.

1.2.5.7 AARTI INDUSTRIES LTD shall, at its own cost, arrange to get every consignment of Waste Material weighed at the weighbridge at the authorized designated place near its Manufacturing Plant and issue the weighbridge challan to the transporter while dispatching the consignment of Waste Material to the Cement Plant of ACL.

1.2.5.8 Prior to dispatch of each consignment from AARTI INDUSTRIES LTD's Manufacturing Plant to ACL's Cement Plant, AARTI INDUSTRIES LTD shall provide the following information/documents to the Transporter:

- a) Four copies of filled Manifest Form and TREM Card as stipulated under Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.
- b) Guide the transporter on the movement of the Manifest Form and measures to be taken in case of emergency during transportation of the Waste Material.
- c) Document indicating the nil commercial value and certificate specifying conforming/accepted Waste Material.

1.2.5.9 All risks and liabilities shall transfer from AARTI INDUSTRIES LTD to ACL, on ACL's vehicle loaded with accepted Waste Material leaving AARTI INDUSTRIES LTD's Manufacturing Plant as per Annexure A & B.

1.2.5.10 ACL declares and confirms that it shall comply with the Protocols for receipt of Waste Material as set out in Annexure E attached with this Agreement.

1.2.5.11 ACL shall arrange for weighment, unloading and storage of Waste Material. The weighment of the Waste Material shall be carried out and recorded at the weighbridge located at ACL's Cement Plant for cross verification and will be used for documentation and payment purposes. In the event of any dispute relating to the actual quantities of Waste Material dispatched by AARTI INDUSTRIES LTD and received by ACL, the Parties hereto shall resolve the same in good faith through discussion on the appropriate actions required to be taken for verification and correction of any discrepancy.



1.2.5.12 ACL shall store the Waste Material in the storage area(s) at its Cement Plant in accordance with the Risk Assessment and Crisis Management Plan to be prepared in consultation with AARTI INDUSTRIES LTD on the basis of Health & Safety Data Sheets provided by AARTI INDUSTRIES LTD as set out in Annexure F attached to the Agreement.

1.2.5.13 In the event ACL is required to comply with statutory regulations and guidelines framed by the concerned authorities or Government Agency relating to emission monitoring for demonstrating the performance of Co-processing of the Waste Material pursuant to the Agreement, the same shall be complied with by ACL in consultation with AARTI INDUSTRIES LTD. Provided, the reasonable costs for the same shall be borne by AARTI INDUSTRIES LTD.

ACL shall comply and be bound by the AARTI INDUSTRIES LIMITED Code of Conduct and Ethics & Fair Business Practises <https://www.aarti-industries.com/investors/code-and-policies>

1.3 Obligations of AARTI INDUSTRIES LTD

- 1.3.1 AARTI INDUSTRIES LTD shall provide ACL different categories of Waste Material that it desires to dispose of. These categories of Waste Material shall be as per the parameters specified in the Schedule of Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 as amended from time to time. AARTI INDUSTRIES LTD shall also give true and correct information related to the description, amount, nature and toxicity of Hazardous Waste Material.
- 1.3.2 AARTI INDUSTRIES LTD shall take all Primary Treatment arrangements at its premises prior to transportation to ACL of any Waste Material that may be notified by ACL or SPCB or any other Authority prescribed under the relevant provisions of the law on this behalf for the time being in force.
- 1.3.3 AARTI INDUSTRIES LTD shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules as amended from time to time as also with the condition of the present Agreement and that any breach of this Agreement committed by the AARTI INDUSTRIES LTD will allow ACL to terminate this Agreement.

2.0 CERTIFICATE OF CO-PROCESSING

ACL shall at the beginning of each month during the term of this agreement, issue to AARTI INDUSTRIES LTD Certificate of Co-Processing of Waste Material received for Co-Processing during the previous month in the format set out in Annexure H attached to the Agreement.



3.0 SERVICE CHARGES AND PAYMENT TERMS

3.1 In consideration of ACL providing the co-processing services, AARTI INDUSTRIES LTD shall pay to ACL, Service Charges as Co processing charges for Mix solid waste category no. 33.1 will be Rs. 2000/- MT + Rs. 56490/- Per trip (25/30 MT vehicle)

, ACL shall raise an invoice on monthly basis with relevant supporting documents on AARTI INDUSTRIES LTD against services rendered to AARTI INDUSTRIES LTD for the quantity received for co-processing during the previous month.

3.3 The charges stated in clause 3.1 above shall be net of all applicable taxes and duties. **Applicable tax (GST) at the rate of 18 %** (or as per the latest Govt. norms) of the total processing charges service charge will be charged extra.

3.4 In the event, ACL's vehicle is sent back without loading the Waste material, even after the finalization of the delivery schedule for reasons solely attributable to AARTI INDUSTRIES LTD and not to ACL, then AARTI INDUSTRIES LTD shall be liable for and pay the transportation charges for that trip for the full capacity of vehicle.

3.5 All bills should be raised on a monthly basis and AIL shall pay the same within 30 days from the submission of such invoice. In case of delay in payment by AIL beyond 30 days, ACL can send a mail of default informing AIL of such default and should provide a grace period of 15 days to clear the dues. If the payment is not paid within the grace period, ACL can charge interest on due payment @ 12% p.a.

3.6 If there is any dispute about any invoice amount, AARTI INDUSTRIES LTD shall be entitled to dispute the invoice amount within 10 days after receipt of invoice. If AARTI INDUSTRIES LTD does not raise any dispute, it is presumed that the same is acceptable and AARTI INDUSTRIES LTD shall be liable to make the payment in respect of same within a period of 15 days from the date of issue of invoice by ACL.

3.7 All payment for services charges and additional transportation charges as referred in sub-clauses) above, shall be made either by electronic fund transfer or by Crossed Demand Draft drawn in favour of "Ambuja Cements Limited" payable at Mumbai.

14. TAXES AND DUTIES

The Parties agree that all taxes, levies, imposts, deductions, charges, duties or withholdings which are assessed, levied, imposed or collected by any Government Central or State or authority and any taxes or levies arising in connection with the Services (other than income tax payable by ACL) shall be included in the invoice raised by ACL towards the Services and other charges, if any and shall be payable by AARTI INDUSTRIES LTD in addition to the Service Charges and other charges, if any. AARTI INDUSTRIES LTD agrees to provide the relevant certificate in respect of the income tax deduction at source on the amounts to be paid towards co-processing charges to ACL.

Without prejudice to generality of the foregoing AARTI INDUSTRIES LTD shall be responsible for the payment of the stamp duty applicable to the Agreement. Notwithstanding the foregoing, the Parties agree that they shall use their best efforts to



obtain exemptions from the payment of any taxes from the concerned Government agency or authority as may be available under applicable laws.

5. STATUTORY COMPLIANCE

5.1 AARTI INDUSTRIES LTD shall be responsible for the following regulatory compliances under the applicable laws:

- (a) Obtain authorizations, consents, statutory registrations, clearances, license, no objection certificate, writings and confirmations from the concerned authorities and Government agencies, file returns, if required, relating to the loading and supply of the Waste Material to the Cement Plant of ACL.
- (b) Pay all applicable taxes, cesses, duties or other levies on transportation of Waste Material from AARTI INDUSTRIES LTD's manufacturing unit to ACL's designated Cement Plant.

5.2 ACL shall be responsible for the following regulatory compliances under applicable laws:

01. Obtain authorizations, consents, statutory registrations, clearances, license, no objection certificate, writings and confirmations, if required, from concerned authorities and Government Agencies for the provision of the Services to AARTI INDUSTRIES LTD. File returns with the concerned authorities or Government agencies, if required, relating to the provision of the Services.
02. Pay all applicable taxes, cesses, duties or other levies on transportation of Waste Material from AARTI INDUSTRIES LTD's manufacturing unit to ACL's designated Cement Plant.

Representations and Warranties of Parties:

Each Party covenants, represents and warrants to Other Party that:

- I. it has right and has taken all requisite approval required to enter into this Agreement and perform its obligations under this Agreement and there are no legal or contractual impediment of any nature for entering into this Agreement;
- II. it is a duly organised and validly existing under the laws of India with full power, authority and capability to do all acts contemplated herein and in the manner and on the terms and conditions stated, and such Party has obtained all necessary consents and approvals thereof in terms of this Agreement;
- III. it is not prohibited from entering into this Agreement; and that this Agreement has been entered into by them willingly and while keeping in mind not only their commercial interests but also their commitment towards carrying out social and sustainable initiatives;



- IV. there are no legal, quasi-legal, administrative, arbitration, mediation, conciliation or other proceedings, claims, actions, governmental investigations, orders, judgments or decrees of any nature made, existing, or pending, which may affect the due performance or enforceability of this Agreement; and
- V. this Agreement is a legal, valid and binding obligation of the Party, enforceable against the Party in accordance with its terms.
- VI. Each party has/will obtain and maintain valid, all the necessary statutory and regulatory approvals required to fulfill the obligations under this contract
- VII. Each party shall fully comply with the applicable laws of India.
- VIII. the person signing this Agreement, on its behalf, has been duly authorized by the AARTI INDUSTRIES LTD to execute this Agreement;

it represents that it shall not dispatch any item listed in the banned item list as set out in Annexure B to this Agreement.

Neither Party is subject to any litigation which will have a material adverse effect on this Agreement

Neither Party is subject to any inquiry, investigation for breach of anti-corruption or anti-bribery laws

6. CONFIDENTIALITY OF INFORMATION

6.1 All information divulged/shared/given by one Party to the other, pursuant to this Agreement in tangible form, which is specifically marked as confidential as well as all intangible information which is specifically conveyed in writing to be confidential within 7 days of revealing of such information, shall be deemed to be "Confidential Information" for the purpose of this Agreement.

6.2 The Parties agree that the Confidential Information which has been or will be disclosed by or on behalf of the other Party will be received by the recipient Party in confidence and will be used only for performance under and in accordance with this Agreement.

6.3 Each Party acknowledges and agrees that all Confidential Information constitutes valuable, special and unique assets of the business of disclosing Party. Accordingly, the Parties agree that, in the event of any breach of this clause, in addition to any other remedies at law or in equity, the Parties shall be entitled to equitable relief, including injunctive relief and specific performance.



6.4 The confidentiality obligations of the Parties shall not apply to the following exceptions:

- (a) Any information which either Party can demonstrate to the reasonable satisfaction of the disclosing Party, as already available in the public domain;
- (b) Any information which either Party can demonstrate to the reasonable satisfaction of the disclosing Party, that such information is already available with them from a third party without any corresponding confidentiality obligations;
- (c) Any information which, either Party can demonstrate to the reasonable satisfaction of the disclosing Party, that such information has been originally developed by them without using the Confidential Information.
- (d) Any disclosure which may reasonably be required for compliance with statutory obligations or for the purposes of legal proceedings.

6.5 Any publicity in connection with the Agreement by either Party shall be subject to the prior consent of the other Party.

6.6 Upon termination of this Agreement, each Party shall return to the other Party all confidential information (without retaining copies thereof) provided for the purposes of this Agreement.

7. TERM

The Agreement shall be valid for a term of three (3) years from the date of signing and execution; however the terms and conditions may be renegotiated by the parties at the end of every year.

8. TERMINATION OF AGREEMENT

8.1 Each Party may terminate this Agreement in the following events:-

- (a) In case of breach of the terms and conditions of the Agreement by either of the Parties, the other Party, may give written notice of Thirty (30) days to such defaulting Party, demanding it to remedy such breach. If the defaulting Party fails to remedy the breach within the notice period then the other Party shall have the right to terminate this Agreement with immediate effect.
- (b) If either Party goes into liquidation or is ordered to be wound up by any court of law, the other Party shall have the right to terminate this agreement with immediate effect.
- (c) Any Party hereto may terminate this Agreement in case of Business exigencies, which shall be confirmed in a written document, executed by parties by giving 30 days advance written notice to other Party.



Both Parties agree that the present Agreement shall automatically come to an end if the Authorization for Co-processing Waste Material given to ACL by relevant authorities is cancelled/refused or not granted /renewed by CPCB/SPCB. In such case ACL will inform AARTI INDUSTRIES LTD immediately and then this Agreement stands terminated forthwith.

Upon termination of the Agreement, each Party shall endeavour to deliver to the other Party all documents and materials belonging to the other Party that may be in each Party's possession or under each Party's control. Provided ACL shall have the right to withhold all documents and materials belonging to AARTI INDUSTRIES LTD in the custody of ACL, until such time all of ACL's dues and/or invoices towards the co-processing charges, additional services charges, transportation charges, costs, if any, and interest on overdue payment incurred up to the date of termination have been settled by AARTI INDUSTRIES LTD against the production of such invoices evidencing proof for such dues by ACL.

8.2 Even otherwise either Party shall be entitled to terminate this Agreement by giving 60 days prior written notice to the other party without specifying any reasons for the same.

9. EFFECT OF TERMINATION

9.1 The rights, duties and responsibilities of each party shall continue to be in full force and effect during the period of notice till the date of termination including the obligation of ACL to complete the unfinished portion of the Services and the obligation of AARTI INDUSTRIES LTD to settle/pay all dues and/or invoices for the Services completed by ACL till the date of termination and/or expenses incurred till the date of termination by ACL.

9.2 Neither party shall be liable to the other pursuant to such termination for compensation, reimbursement or damages on account of the loss of prospective business or profits or on account of expenditures, investments, lease or commitments or for any reason whatsoever arising out of such termination as set forth in clause 8 above, which is consequential in nature.

10. AMENDMENT

Any amendment and / or variation to the Agreement shall be mutually agreed upon by the Parties in writing and executed by or on behalf of each of the Parties hereto.

11. SEVERABILITY

If at any time during the term of the Agreement, all or any of the clauses of the Agreement is or becomes illegal, invalid or unenforceable in any respect or declared null and void or



illegal under the applicable laws, the same shall not affect or impair the legality, validity or enforceability of any other provisions of the Agreement.

12. FORCE MAJEURE.

Force Majeure means any unforeseen event or circumstance that is beyond the reasonable control of either Party, which event cannot by the exercise of reasonable diligence be prevented or caused to be prevented, and which adversely affects such Party's performance of its duties and obligations or enjoyment of its rights under this Agreement. Neither Party shall be considered in default in the performance of its obligation under the Agreement, if such performance is prevented or delayed on account of the war, civil commotion, strike, epidemics, pandemic, quarantine restrictions, accidents, fires, unprecedented floods, earthquake or because of promulgation of any law or regulations by the Government, unforeseen breakdowns, operational and maintenance stoppages at AARTI INDUSTRIES LTD's Manufacturing Plant or ACL's Cement Plant or on account of any other Acts of God. At the time of occurrence of a force majeure condition, the affected Party shall give notice in writing with documentary proof within Fifteen (15) days from the date of occurrence of the force majeure condition indicating the cause of force majeure condition and the period for which the force majeure condition was likely to subsist. The Parties shall resume the performance of their respective obligations after the force Majeure condition comes to an end and this agreement shall suitably be extended proportionate to the period of such Force Majeure condition. In the event the affected Party is prevented from fulfilling its obligation under the Agreement owing to the force majeure condition continuing for more than Thirty (30) days, both Parties shall consult each other regarding the continuation of the Agreement including early termination as set forth above. Parties shall not be entitled to any kind of damages in case of termination due to such a Force Majeure situation.

13. SUSPENSION

ACL may suspend the Services upon prior written notice to AARTI INDUSTRIES LTD, if AARTI INDUSTRIES LTD fails to

- (a) Make timely payment against invoices raised for co-processing charges beyond Sixty (60) days from the date of invoice,
- (b) Evacuate the rejected consignment of non conforming Waste Material from ACL's Cement Plant within the 48 hrs period as stated in clause 1.2.4 above
- (c) Deliver Waste Material as per the Delivery schedule set out in Annexure D.

Notwithstanding whatever is contained herein, in case if the Parties could not resolve the issue regarding non evacuation (as aforementioned in Clause 13), by mutual consultation within 2 days then ACL shall have the option to terminate this agreement forthwith, Such termination shall be without prejudice to any other rights under Law, available to ACL.



14. INDEMNITY

AARTI INDUSTRIES LTD shall indemnify, defend and hold harmless ACL and its directors, employees and agents from and against any and all claims, demands, fines, losses, damages, costs, penalties, expenses, actions, suits or proceedings, injuries, monetary liability on account of death of any person, costs of response to any governmental inquiry, liability for loss of or damage to property or for loss or damage arising from attachments, liens or claims of materials, men or labourers, and reasonable attorney and consulting fees and costs relating to any of the foregoing ("Claims"), arising from AARTI INDUSTRIES LTD's performance of the Agreement or resulting from AARTI INDUSTRIES LTD's acts or omissions or from AARTI INDUSTRIES LTD's tender of Waste Material or from AARTI INDUSTRIES LTD's breach of the Agreement or AARTI INDUSTRIES LTD's breach of statutory compliances. The foregoing indemnification shall not apply to the extent such Claims are the result of ACL's gross negligence or willful default.

ACL shall indemnify, defend and hold harmless AARTI INDUSTRIES LTD and its directors, employees and agents from and against any and all claims, demands, fines, losses, damages, costs, penalties, expenses, actions, suits or proceedings, injuries, monetary liability on account of death of any person, costs of response to any governmental inquiry, liability for loss of or damage to property or for loss or damage arising from attachments, liens or claims of materials, men or laborers, and reasonable attorney and consulting fees and costs relating to any of the foregoing ("Claims"), arising from ACL's performance of the Agreement or resulting from ACL's acts or omissions or from ACL's breach of the Agreement. The foregoing indemnification shall not apply to the extent such Claims are the result of AARTI INDUSTRIES LTD's gross negligence or willful default.

15. NON WAIVER

Any delay or omission on the part of each Party in exercising any rights provided under applicable laws or under the Agreement shall not impair such rights or operate as a waiver thereof. The partial exercise of any right provided under applicable laws or under the Agreement shall not preclude any other or further exercise thereof or the exercise of any other rights under the Agreement.

16. VALIDITY

If at any time during the term of the Agreement, all or any of clause(s) of the Agreement is or becomes illegal, invalid or unenforceable in any respect under the applicable laws, the same shall not affect or impair the legality, validity or enforceability of any other provisions of the Agreement.



17. ASSIGNMENT

Neither Party shall have the right to assign or transfer its rights and obligations under the Agreement to any third party or person without the prior written consent of the other Party.

18. SURVIVAL

Upon termination or expiry of the Agreement Clauses 3 (Service Charges and Payment Terms), Clauses 4 (Taxes and Duties), Clauses 5 (Statutory Compliance), 6 (Confidentiality of Information), 9 (Effects of Termination), 14 (Indemnity) and Jurisdiction will survive such termination or expiry and continue to bind the Parties.

19. NOTICE

Unless otherwise provided in the Agreement, any notice, report or other communications given or made under or in connection with the matters contemplated by or arising from the Agreement, shall be deemed to have been duly given or made if sent by personal delivery or registered post or speed post or by facsimile transmission or upon receipted delivery at the address of the relevant Party at the addresses mentioned above.

20. JURISDICTION

20.1 This Agreement shall be governed by and construed in accordance with the Laws of India. Since the intent of this Agreement is to dispose of the Hazardous Waste in an environmental sociable manner, therefore, both Parties shall reconcile the differences, if so arise, and shall make all best efforts to comply with the terms of this Agreement and perform their respective obligations in true spirit.

20.2 In case the Parties fail to resolve the dispute(s) amicably within a period of 30 (thirty) days in the manner contemplated in Clause 20.1 (above), in such case the Parties shall refer the dispute in the manner provided in Clause 20.3 and Clause 20.4 (hereunder).

20.3 Any dispute arising out of or in connection with this Agreement, including any question regarding its existence, validity or termination, if cannot be settled amicably within 30(thirty) days of raising of dispute, shall be referred to and finally resolved by arbitration in accordance with the Arbitration Rules of the Mumbai Centre for International Arbitration (MCIA) Delhi International Arbitration Centre, which rules are deemed to be incorporated by reference in this clause. The seat of arbitration shall be Mumbai, India. The Tribunal shall consist of a sole arbitrator. The language of arbitration proceedings shall be English. The award thereof made shall be final and binding on both the Parties and judgement upon the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof.



20.4 Both Parties shall not be released from their obligations under this Agreement during the initiation/ pendency of any arbitration proceedings.

21. Anti Bribery & Corruption Directives (ABCD)

AARTI INDUSTRIES LTD is aware that ACL has instituted a whistleblower policy to promote the highest standards of professionalism, honesty, integrity and ethical behaviour within the organization. AARTI INDUSTRIES LTD declares that it has not paid or agreed to pay any favor either in cash or kind to any of the officials of ACL either directly or indirectly to secure this Agreement and further undertakes to promptly inform ACL if any such demand is made in future by any officials either directly or indirectly. AARTI INDUSTRIES LTD is also aware that if it is found indulged in any fraudulent, unfair or unethical practices, AARTI INDUSTRIES LTD shall be liable for such action as per the prevailing law including termination of this Agreement by concurrent notice. Please see **Annexure – K** in this regard.

22. Health & Safety Policy

The Health & Safety Policy of ACL relating to the health and safety measures to be observed by the AARTI INDUSTRIES LTD and its employees/workers/agents/representatives during the Term is attached herewith as Annexure J (H&S Policy). AARTI INDUSTRIES LTD shall regularly provide necessary training on safety to all its employees/workers/agents/representatives engaged for providing the Services. In case of breach of this H&S policy, ACL will be at liberty to enforce such penalty on the AARTI INDUSTRIES LTD at its sole discretion. This is without prejudice to all its other rights to take appropriate action against AARTI INDUSTRIES LTD including termination of this Agreement with immediate effect. AARTI INDUSTRIES LTD shall be responsible and liable for all the consequences and costs in this regard.

23. RELATIONSHIP OF PARTIES

Nothing contained in the Agreement shall be construed as the engagement of ACL as an agent or partner of AARTI INDUSTRIES LTD. The relationship between the Parties shall be principal to principal, it is clearly understood that it is a "contract for services" and not a "contract of services" and does not create and shall not be deemed to create any partnership, joint venture or a principal agent relationship between ACL and AARTI INDUSTRIES LTD. Further AARTI INDUSTRIES LTD shall not be entitled to by act, word, deed or otherwise make any statement on behalf of ACL or in any manner bind ACL or hold out or represent that ACL is representing or acting as agent or partner of AARTI INDUSTRIES LTD.



24. NON EXCLUSIVE ENGAGEMENT

AARTI INDUSTRIES LTD hereby grants ACL a non-exclusive right, on the terms and conditions contained herein, to provide the Services. Nothing herein contained shall prevent or prohibit AARTI INDUSTRIES LTD from engaging other Parties for the provision of the Services. It is clearly understood between the Parties hereto that ACL shall also on their part be at liberty to be engaged by other manufacturers who generate waste material in the process of manufacturing finished products for the provision of the Services.

25. HEADINGS

The paragraph headings contained in the Agreement are for the convenience of the Parties and shall not affect the meaning and interpretation of the Agreement.

26. ENTIRE AGREEMENT

The Agreement along with its annexure embodies the entire understanding between the Parties hereto and supersedes all previous correspondence, agreements and understanding, if any



IN WITNESS WHEREOF this Agreement is executed in two counterparts on the day and year first above written. Each Party hereto shall preserve one counterpart of the Agreement.

SIGNED AND DELIVERED for and on behalf of

AARTI INDUSTRIES LTD, by the hand of its authorized signatory,



Sudhja Tolat - General Counsel

in the presence of:

1. _____
Signature of Witness 1,

(Name of Witness 1)

2. _____
Signature of Witness 2,

(Name of Witness 2)

SIGNED AND DELIVERED for and on behalf of

Ambuja Cements Limited, by the hand of its authorized signatory,





AMIT GOVAL

in the presence of:

1. Gaurav
Signature of Witness 1,

GAURAV KUSHWAHA
(Name of Witness 1)

2. Rakesh
Signature of Witness 2,

RAKESH SINHA
(Name of Witness 2)



ANNEXURE A

Results of analysis of samples sent by AARTI INDUSTRIES LTD to R&D of ACL Waste Material Specifications – Mix Solid waste (as received analysis)

Components
% Moisture (As received)	<35%
Net Calorific value (Kcal/Kg)	>2500
% Sulphur	<3%
% Cl	<3%

Note:

- Waste should be consistent in terms of quality and similar to the samples sent for testing to our R&D Lab.
- Waste should be properly packed and loaded as mentioned under clause 1.2.2 (Packaging and labeling hereof).
- Chloride should not be more than 3% in Liquid/Solid waste, Non conforming material will be rejected and in that case transportation charges will be borne by the waste generator.



ANNEXURE B

List of Banned Items

The Waste Material dispatched by AARTI INDUSTRIES LTD's Manufacturing Plant to ACL's Cement Plant shall not contain the following items that are in the banned item list of ACL for Co-processing.

- Radioactive waste
- Asbestos-containing waste
- Explosives and ammunition / weapons
- Anatomical medical waste
- Electronic fraction of electrical and electronic waste (e-waste)
- Whole batteries as a targeted material stream
- Waste of unknown or unpredictable composition, including unsorted municipal waste



ANNEXURE C

Format for labeling of the Hazardous and other Wastes / individual containers

FORM 8

[See rules 17 (1) and 18 (2)]

LABELLING OF CONTAINERS OF HAZARDOUS AND OTHER WASTE

Handle with care

Waste category and characteristics as per Part C of Schedules II and III of these rules	Incompatible wastes and substances
Total quantity	Date of storage
Physical State of the waste (Solid/Semi-solid/liquid):	
Sender's name and address	Receiver's name and address
Phone.....	Phone.....
E-mail.....	E-mail.....
Tel. and Fax No.....	Tel. and Fax No.....
Contact person.....	Contact person.....
In case of emergency please Contact	

Note:

1. *Background colour of label - fluorescent yellow.*
2. *The word, 'HAZARDOUS WASTES' and 'HANDLE WITH CARE' to be prominent and written in red, in Hindi, English and in vernacular language.*
3. *The word 'OTHER WASTES' to be written prominently in orange, in Hindi, English and in vernacular language.*
4. *Label should be of non-washable material and weather proof.*



ANNEXURE D

Generation & Stock of Waste Material

AARTI INDUSTRIES LTD, during the term of the agreement, shall make available the following quantities of Waste Material to ACL on yearly basis.

Hazardous waste:

Hazardous mix solid waste, category 33.1 - maximum 60 MT

AARTI INDUSTRIES LTD, during the term of the agreement, shall deliver the Waste Material to ACL's Cement Plant on a monthly basis as per the mutually agreed delivery schedule. The delivery schedule of the month will be prepared by the party's through mutual consent and will be finalized before 20th of the earlier month.

In case of any change or modification required in the agreed monthly delivery schedule of a particular month by either party, the same shall be brought to the notice of the other party at least seven days in advance or as mutually agreed.



ANNEXURE E

Protocols for Receipt of Waste Material (Hazardous Waste)

The following procedures shall be followed when receiving Waste Material at the Cement Plant of ACL:

- Transporter will report to ACL's security gate for delivery of the Waste Material at storage area(s) of ACL's designated Cement Plants.
 - ACL's security officer shall inform the concerned officer of the designated Cement Plant.
 - ACL's Cement Plant officer will undertake following activities:-
- (a) Receive all relevant documents from AARTI INDUSTRIES LTD's Transporter including:
- (i) Delivery document.
 - (ii) Certificate from AARTI INDUSTRIES LTD specifying conformance to the waste specifications.
 - (iii) Invoice indicating NIL commercial value by AARTI INDUSTRIES LTD
 - (iv) Health & Safety Data Sheet of each of the material
 - (v) Manifest Form (7-copies) and other necessary documents as per the statutory requirements.
 - (vi) Any other document mutually agreed between the parties.
- (b) ACL shall arrange and record the weight of the Transport vehicle on the weighbridge installed at the plant before and after unloading of the Waste Material at the designated storage area.
- (c) ACL shall make necessary arrangements for unloading of the Waste Material at the designated storage area(s) and shall arrange to store the consignment of Waste Material the designated storage area, as per the date on which the consignment is delivered to the cement plant and shall also record the no. of bags, date of delivery, consignment no., truck no. etc. in the inventory sheet as set out in Annexure H attached to the Agreement.
- (d) ACL shall arrange to conduct inspection and sampling of the Waste Material as required and report to AARTI INDUSTRIES LTD whether the Waste Material is conforming to a specifications list in Annexure A and Annexure B within eight (8) days of receipt of Waste Material.
- (e) In case Waste Material is not properly sealed/ packed as set out in clause 1.2 (Packaging/Labeling), ACL shall inform the same to AARTI INDUSTRIES LTD and both the parties shall discuss and arrive at the solution for safe handling and disposal of waste material.
- (f) ACL shall keep the storage area locked with appropriate surveillance by the security.



- (g) To attend to any emergency situation, ACL shall maintain a copy of the risk assessment and crisis management plan with its security officer and also with its concerned officer.
- (h) ACL shall ensure the proper movement of the manifest form at each stage as set out in Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016.
- (i) ACL shall submit returns to the Authorities in the Form 4 as set out in Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016 and the format for the same is attached with this Agreement as Annexure J.



ANNEXURE F

Health & Safety Data Sheet – Mix Solid waste

geobis.in

Section 1: Identification
 Product Name: Mix Solid Waste
 Revision: 17.02.2025
 Date of issue: 17.02.2025

Section 2: Hazardous Properties

<input type="checkbox"/> N	<input type="checkbox"/> N	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N

Section 3: Hazardous Properties (GHS)

Section 4: Environmental Information

Environmental fate	Water		Air		Soil	
	Biodegradability	Water solubility	Volatility	Atmospheric stability	Adsorption coefficient	Mobility
Biodegradability	N	N	N	N	N	N
Water solubility	N	N	N	N	N	N
Volatility	N	N	N	N	N	N
Atmospheric stability	N	N	N	N	N	N
Adsorption coefficient	N	N	N	N	N	N
Mobility	N	N	N	N	N	N

Section 5: Environmental Information (continued)

Environmental fate	Water		Air		Soil	
	Biodegradability	Water solubility	Volatility	Atmospheric stability	Adsorption coefficient	Mobility
Biodegradability	N	N	N	N	N	N
Water solubility	N	N	N	N	N	N
Volatility	N	N	N	N	N	N
Atmospheric stability	N	N	N	N	N	N
Adsorption coefficient	N	N	N	N	N	N
Mobility	N	N	N	N	N	N

Section 6: Physical and Chemical Properties

Section 7: Toxicological Information

Section 8: Ecotoxicological Information

Section 9: Exposure Controls/Personal Protection

<input type="checkbox"/> N	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Y
----------------------------	----------------------------	----------------------------	----------------------------	----------------------------	----------------------------	----------------------------	----------------------------

Section 10: Transport Information

Section 11: Regulatory Information

Section 12: Other Information

Section 13: Declaration

I, the undersigned, certify that the contents of this Safety Data Sheet are accurate and complete.

Section 14: Declaration

I, the undersigned, certify that the contents of this Safety Data Sheet are accurate and complete.

Section 15: Declaration

I, the undersigned, certify that the contents of this Safety Data Sheet are accurate and complete.

Name: Jayprakash Khat **Position:** Site Manager **Signature:** [Signature] **Date:** 17.02.2025



ANNEXURE G
Format for maintaining records of Waste Material

FORM 3
[See rules 6(5), 13(7), 14(6), 16(5) and 20 (1)]

FORMAT FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES

1. Name and address of the facility :
2. Date of issuance of authorisation and its reference number :
3. Description of hazardous and other wastes handled (Generated or Received)

Date	Type of waste with category as per Schedules I, II and III of these rules	Total quantity (Metric Tonnes)	Method of Storage	Destined to or received from

* Fill up above table separately for indigenous and imported waste.

4. Date wise description of management of hazardous and other wastes including products sent and to whom in case of recyclers or pre-processor or utiliser:
5. Date of environmental monitoring (as per authorisation or guidelines of Central Pollution Control Board):

Signature of occupier

Date.....

Place.....



ANNEXURE H

CERTIFICATE OF CO-PROCESSING

geoclean

Certificate of Co-Processing

Issued To: AARTI INDUSTRIES LTD.

Invoice No:.....

Date: 31/05/2023

This is to certify that we have taken receipt of the following quantities of Mix Solid Waste sent by M/s AARTI INDUSTRIES LTD for Pre and / Or Co-processing in Ambuja Cements Limited's Cement Kiln during the period XX/XX/2023 to XX/XX/2023. The same would be safely and completely disposed off within 90 days of receipt and thereafter will not exist.

Waste Name: Mix Solid Waste

Quantity (Tons):

SAMPLE

Authorized Signatory

Ambuja Nagar Cement works



ANNEXURE I - Format of Form 4

FORM 4

[See rules 9(3), 13(8), 16(6) and 20 (2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March]

1. Name and address of facility:
2. Authorisation No. and Date of issue:
3. Name of the authorised person and full address with telephone, fax number and e-mail:
4. Production during the year (product wise), wherever applicable

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise
2. Quantity dispatched
 - (i) to disposal facility
 - (ii) to recycler or co-processors or pre-processor
 - (iii) others
3. Quantity utilised in-house, if any -
4. Quantity in storage at the end of the year -

Part B. To be filled by Treatment, storage and disposal facility operators

1. Total quantity received -
2. Quantity in stock at the beginning of the year -
3. Quantity treated -
4. Quantity disposed in landfills as such and after treatment -
5. Quantity incinerated (if applicable) -
6. Quantity processed other than specified above -
7. Quantity in storage at the end of the year -

Part C. To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year -
 - (i) domestic sources
 - (ii) imported (if applicable)
2. Quantity in stock at the beginning of the year -



ANNEXURE – J
Health and Safety Policy & Rules

Ambuja Cements Limited
Occupational Health and Safety Policy

*The Ambuja Cements Limited's OHS policy is in alignment
with Adani Group's OHS policy



We at Ambuja Cements Limited (Ambuja), firmly believe that Occupational Health & Safety (OHS) is an integral part of our activities, policies, processes, and business operations and are committed to provide safe and healthy workplaces across our operating locations to our employees, relevant stakeholders, and nearby communities to achieve our OHS vision "To be Globally admired OHS Leader in the Infrastructure space",

Ambuja recognizes that OHS and the overall wellbeing of its people is vital to its success and growth aspirations. It is our conviction to promote 'Culture of Care' so that every activity is performed in a safe manner which facilitates continual growth and sustainability of our businesses. This is envisioned in our business theme "Growth with Goodness",

To meet our commitment, we shall endeavour to:

- Integrate Occupational Health & Safety aspects in every business decision we make and in every activity we perform. Leaders at all levels, demonstrate their personal commitment to OHS to promote Principle of Prevention of unsafe situations by integrating requirements from design & engineering stage to operation and maintenance.
- Work with fundamental belief that all injuries and Occupational illness can and must be prevented. Working safely is a condition of employment to meet our goal of 'Zero Harm'.
- Comply and exceed applicable legal and regulatory OHS requirements and set highest standards for positive safety compliance, wherever we operate.
- Develop skills, knowledge, competence and build capability by engaging employees, business partners and service providers through appropriate education and training to help them work safely. Influence our business partners in enhancing their OHS standards.
- Ensure safe place to work by identifying, assessing and reducing risks & vulnerabilities to as low as reasonably practicable by applying hierarchy of controls for process, machinery, infrastructure and human behaviour and prevent any potential emergency situations.
- Conduct regular audits and facilitate assurance of OHS programs and take timely action on findings to integrate learnings ensuring continued compliance to safety management system requirements.
- Proactively report all incidents, investigate root causes and ensure lessons learnt are shared and deployed across the company.
- Set OHS objectives and targets, metrics as indicators of excellence, monitor progress and continually improve performance. Provide adequate resources to ensure continual improvement of OHS management and performance.

We shall communicate this policy to all our employees, business partners and customers to emphasize their responsibilities and accountabilities for safe performance and thereby establish a renewed commitment towards consultative and participative processes.

Any violation or breach of this policy shall be dealt with procedures framed by the company from time to time. The policy shall be reviewed periodically for its suitability & relevance to our operations and updated as deemed necessary.





IN-GJ42217864518666V



सत्यमेव जयते

INDIA NON JUDICIAL Government of Gujarat

Certificate of Stamp Duty

NOTARY

Certificate No.	: IN-GJ42217864518666V
Certificate Issued Date	: 14-Sep-2023 04:05 PM
Account Reference	: IMPACC (FI)/ gjelimp10/ BHARUCH/ GJ-BH
Unique Doc. Reference	: SUBIN-GJGJELIMP1008865056035751V
Purchased by	: PATEL DEVENDRASINH
Description of Document	: Article 5(h) Agreement (not otherwise provided for)
Description	: MOU
Consideration Price (Rs.)	: 0 (Zero)
First Party	: AARTI INDUSTRIES LIMITED
Second Party	: HAREKRISHNA ENTERPRISES
Stamp Duty Paid By	: AARTI INDUSTRIES LIMITED
Stamp Duty Amount(Rs.)	: 300 (Three Hundred only)



211 SEP 2023



₹300

IN-GJ42217864518666V

IE 0005671428

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.



- The words "Notarial" and "Gujarat" are printed on the stamps.
- Any alteration to this certificate renders it invalid and would constitute a criminal offence.
- Kindly contact Stock Holding Branch / Centre in case of discrepancy.
- For information related to e-Stamping you may write to us on our email id estamp.ahmedabad@stockholding.com or visit our Branch/Centre.

સૂચના

- આ ઈ-સ્ટેમ્પ પ્રમાણપત્રની વિગતો www.shcilestamp.com દ્વારા અથવા સ્ટોક હોલ્ડિંગની "ઈસ્ટેમ્પિંગ" મોબાઈલ એપ્લિકેશન અથવા સ્ટોક હોલ્ડિંગની શાખા / કેન્દ્ર (જેની વિગતો www.stockholding.com પર ઉપલબ્ધ છે) પર જઈ ને ચકાસી શકાય છે.
- આ પ્રમાણપત્રમાં કરેલ કોઈપણ ફેરફાર અમાન્ય છે અને તે ફોજદારી ગુનો બને છે.
- આ ઈ-સ્ટેમ્પ પ્રમાણપત્રમાં કોઈપણ વિસંગતતા જણાય તો સ્ટોક હોલ્ડિંગની શાખા / કેન્દ્ર પર સંપર્ક કરવો.
- ઈ-સ્ટેમ્પિંગ સંબંધિત જાણકારી માટે અમને estamp.ahmedabad@stockholding.com પર ઈ-મેઈલ કરવો અથવા અમારી શાખા / કેન્દ્ર ની મુલાકાત લેવી.





**MEMORANDUM OF UNDERSTANDING
BETWEEN**

Particulars	Generator	Utilizer
Name	M/s. Aarti Industries Limited (Dahej)	M/s. Harekrishna Enterprises
Address	Plot No. Z/103/H, Dahej SEZ-II, Tal Vagra, Dist: Bharuch, Gujarat	Plot No.138, Nr.Bharat Petroleum, NH-08 Amripura, Anklshwar, Dist: Bharuch, Gujarat.
CC&A No./ Consent No.	AWH-112729 Issued on 31.05.2021 Valid upto 19.05.2028	—
CC&A/Consent Issuer	Gujarat Pollution Control Board, Gujarat	—
Name of Material/Waste	FLY ASH	
CC&A/Rule-9 application Quantity	960 MT/Month	
MOU Quantity	960 MT/Month	
Validity of MOU	27.08.2028	

The particulars of this MOU including terms and conditions between the Generator & the Supplier are mentioned herewith:

That

1. As a part of this MOU, the Utilizer/End user has agreed to accept the Fly Ash Waste generated from the manufacturing activities of the Generator.
2. Hazardous Waste shall be transported through AIS-140 compliant Global Positioning System (GPS) enabled dedicated tankers/trucks only.
3. Both the parties, the Generator and the Utilizer/End user, shall install and operate CCTV surveillance system with 24x7 recordings at their factory premises and at least one month's storage of footage be made available for inspection at any given point of time.
4. The Transporter shall be responsible in case of any illegal disposal of fly ash during the transportation and shall safely transport the fly ash from the premises of the generator till the premises of the Utilizer/End user.
5. Both the parties, the Generator and the Utilizer/End user, shall keep record of inventory of fly ash generation, reception and utilization and shall make inventory available for inspection.
6. Both the parties, the Generator and the Utilizer/End user, shall strictly follow notification of fly ash guidelines and its amendments.

7. The Transporter shall ensure that the trucks shall be dedicated for transportation and compliance of Motor Vehicle Act rules.

M/s. Aarti Industries Limited
(Dahej)

R. S. Patel
Authorized Signatory



21 SEP 2023

M/s. Hare Krishna Enterprises,
Ankleshwar

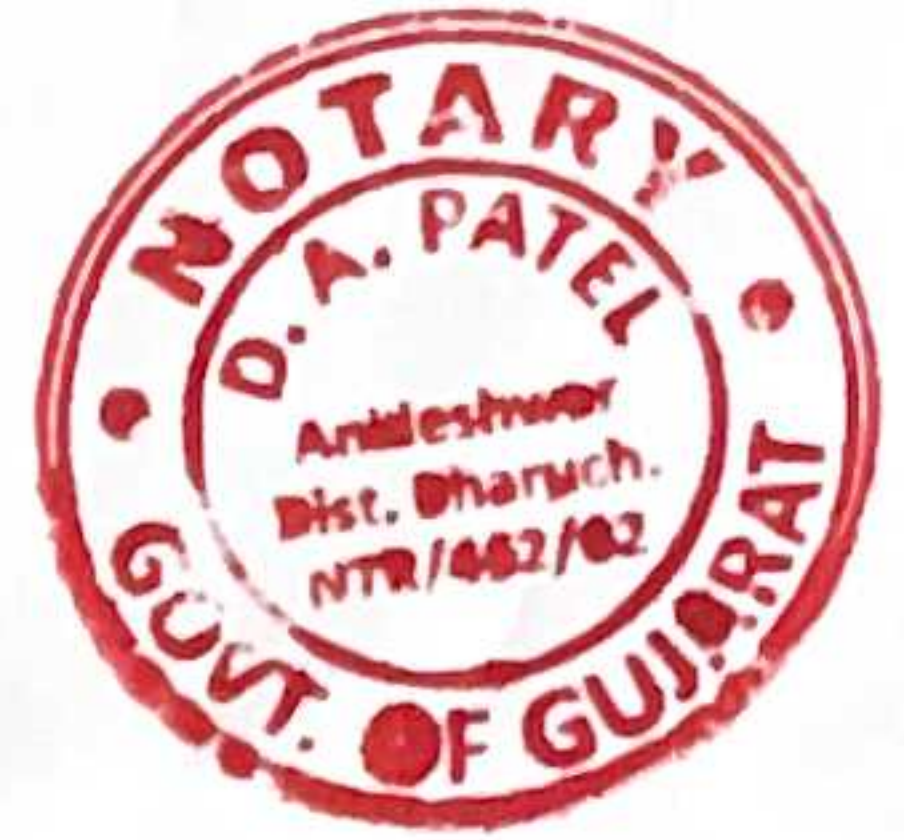
B. Patel

Authorized Signatory

SIGNED BEFORE ME

[Signature]
Notary

D. A. PATEL
Ankleshwar



21 SEP 2023

PH No (02546) 24944

DILIPBHAI A PATEL

NOTARY Docu Reg No 2846123

Date 21/9/23

Reg No NTR/ANK/DAP/462/02
Ankleshwar-01, Dist Bharuch



Certificate

Certificate No: **CPAW1A0046**

To Whomsoever it may concern
This is to certify that
AARTI INDUSTRIES LTD (DAHEJ UNIT)

PLOT NO-Z/103/H,
DAHEJ SEZ-II,
TA-VAGRA,
DAHEJ

is a valid member of
Recycling Solutions Private Limited

for Alternate Fuel Resource Facility.
This membership is valid for a period of
10 Years

Date of issue : 18/01/2017
Date of expiration : 17/01/2027
Place of issue : Panoli

For, Recycling Solutions Private Limited

Director/Authorised signatory

Waste Information :					
SrNo	Type Of Waste	Sign Qty (TPA)	SrNo	Type Of Waste	Sign Qty (TPA)
1	PROCESS WASTE	600.000			
Total Sign Qty (TPA) :					600.000

SUBJECT TO BHARUCH JURISDICTION

Sito Address
Plot No.223, GIDC Estate Panoli, Panoli-394 116
Dist. Bharuch, Gujarat. Phone: +91 2646 272029
CIN - U57100MH2012PTC237696

Regd. office :
370, S V P Road, Shop 8, Ciganbavala Bldg., Opp. CBI,
Pradhana Samaj, Nr. Harkishandas Hospital,
Mumbai - 400004.

E-mail
rspl@rs-pl.com

Website
www.rs-pl.com



BEIL INFRASTRUCTURE LIMITED
(formerly known as Bharuch Enviro Infrastructure Limited)

15th MAY, 2020

To,
AARTI INDUSTRIES LTD. – DAHEJ
PLOT NO.Z/103/H,
DAHEJ SEZ - II,
TAL: VAGRA,
DAHEJ.

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/94**. We hereby certify that your booked quantity has increased from **40 MT / Year** to **140 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)

15th MAY, 2020

To,
AARTI INDUSTRIES LTD. – DAHEJ
PLOT NO.Z/103/H,
DAHEJ SEZ - II,
TAL: VAGRA,
DAHEJ.

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/94**. We hereby certify that your booked quantity has increased from **40 MT / Year** to **140 MT / Year**.

Thanking you,

Yours faithfully,

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


AUTHORISED SIGNATORY



Ref. BEIL/ANK/2024

08TH MARCH, 2024

To,
AARTI INDUSTRIES LTD. - DAHEJ (NEO DIV - 41201)
PLOT No. Z/103/H,
DAHEJ SEZ - II,
TAL: VAGRA, DAHEJ.

Sub: Provisional Membership Certificate for Common Solid Waste Disposal Facility.

Dear Sir,

We hereby certify that you have become member for **5 years up to 07/03/2029** for the common Solid/Hazardous waste disposal facility of BEIL Infrastructure Limited. (Formerly Known as Bharuch Enviro Infrastructure Limited.), at GIDC, Dahej. You have booked solid waste quantity of **2595 MT/Years**. Your Membership No. is **OTH/653**.

Waste will be accepted after submitting valid authorization of GPCB.


- 1) Total TSDF Capacity of BEIL Dahej: 1900000 MT**
- 2) Total Consented Capacity: 1900000 MT**
- 3) Total Occupied Capacity: 1288547.609 MT**
- 4) Spare Capacity: 0611452.391 MT**

Thanking you,

Yours faithfully,

For BEIL Infrastructure Limited.

(Formerly Known as Bharuch Enviro Infrastructure Limited.)


Mr. Manoj Patel
(Vice President - Operations)



GEO CLEANER LLP

Promoting a Healthy Environment

Site Address:
Survey No-94, P.O : Pratapnagar,
Savli-Jarod Road, Vadodara,
Gujarat, India-391121

Reg. Office:
Tower H-402, Aaruni Residency,
Village- Bill, Taluka- Vadodara,
Vadodara, Gujarat, India- 391410

CIN No: AAQ-9488
GST IN: 24AAUFG66321122

W : www.geodeanerllp.com
E : customer@geodeanerllp.com

Ref No: GCL/MC/0823/0109

Date: 18.08.2023

To,

M/s. Aarti Industries Limited

Plot No: Z/103/H,

Dahej SEZ-II, Ta: Vagra, Dist.: Bharuch.

Subject: Membership Certification for Pre-processing Facility.

Dear Sir,

We hereby certify that you have become member of the Pre-processing facility of Geo Cleaner LLP, suited at Survey No-94, P.O: Pratapnagar, Savli-Jarod Road, Savli, Vadodara.

This certificate is valid up to **27.07.2025**.

Thanking You



For, Geo Cleaner LLP


Authorized Signatory



SHCIL



 **Warning** 




"The contents of this certificate can be verified and authenticated world-wide by any members of the public at www.shcilestamp.com or at any Authorised collection center address displayed at www.shcilestamp.com free of cost."

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In Know the Signatory who has Signed
in my Presence I will be Responsible
For Any Dispute of Signature And
Identification of deponent

MEMORANDUM OF UNDERSTANDING

BETWEEN

Particulars	Generator	Utilizer (End User)
Name	M/s. Aarti Industries Limited	M/s. Pradip Overseas Pvt. Ltd.
Address	Plot No. Z/103/H, Dahej SEZ-II, Tal. Viagra, Dist: Bharuch, Gujarat.	Block No. 104, 105, 144-146, Charcharawadi - 382213, Tal. Sanand, Dist. Ahmedabad
CCA No.	AWH-112729	AWH-102212
Date of Issue	15.06.2021	12.06.2019
Issued by	GPCB, Gujarat	GPCB, Gujarat
Validity	19.05.2028	31.03.2024

The particulars of this MOU including terms and conditions between the user & the supplier are mentioned herewith:

That

- As a part of this MOU, the utilizer has agreed to accept the Hazardous Waste generated from the manufacturing activities of the Generator.
- Hazardous Waste shall be sent through the proper manifest generated online on XGN Portal.
- Hazardous Waste shall be sent through authorized vehicles having an active GPS Mounted System and Valid Registration Number.
- Both parties, Generator and Utilizer shall strictly follow guidelines of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and its compliance.

Name of Hazardous Waste	Aluminium Hydroxide Al(OH) ₃
Physical State	Liquid
Mode of Transport	Tanker via Road
Annual Quantity Required	7500 MT/Year
Validity	31.03.2024
Rule 9 Application Details of Utilizer (End User)	
Has Utilizer Applied for Rule 9?	Yes
Date of Application	14.03.2022



M/s. Aarti Industries Limited

[Signature]
Authorized Signatory

M/s. Pradip Overseas Pvt. Ltd.
For, PRADIP OVERSEAS LTD.

[Signature]
Authorized Signatory



ATTESTED

[Signature]

(Bhalla N. Parmar)
ADVOCATE & NOTARY
Govt. of India
Bharuch District (Gujarat)





ATTESTED
[Signature]
[Name]
[Address]
[City]
[State]
[Country]





MEMORANDUM OF UNDERSTANDING
BETWEEN

Particulars	Generator	Utilizer
Name	M/s. Aarti Industries Limited (Dahej)	M/s. Arun Industrial Products
Address	Plot No. Z/103/11, Dahej SEZ-II, Tal Vagra, Dist: Bharuch, Gujarat	Plot No. 320/C, Village: Vatsola- 387130, Tal. Mehsuda, Dist: Kheda, Gujarat
CC&A No./ Consent No.	AWH-112729 Issued on 31.05.2021 Valid upto 19.05.2028	AWH-108815 Issued on 24.07.2020 Valid upto 31.08.2025
CC&A/Consent Issuer	Gujarat Pollution Control Board, Gujarat	Gujarat Pollution Control Board, Gujarat
Name of Hazardous Waste	Aluminium Hydroxide- Al(OH) ₃	
CC&A/Rule-9 application Quantity	12168 MT/Year	12168 MT/Year
MOU Quantity	12168 MT/Year	
Validity of MOU	Validity till Expiry of Consent/CC&A of either generator or Utilizer/End user, whichever earlier	

The particulars of this MOU including terms and conditions between the Generator & the Supplier are mentioned herewith:

That

1. As a part of this MOU, the Utilizer/End user has agreed to accept the Hazardous Waste generated from the manufacturing activities of the Generator.
2. Hazardous Waste shall be sent with the proper online manifest generated through GPCB XGN site invariably.
3. Hazardous Waste shall be transported through AIS-140 compliant Global Positioning System (GPS) enabled dedicated tankers/trucks only.
4. Both the parties, the Generator and the Utilizer/End user, shall install and operate CCTV surveillance system with 24x7 recordings at their factory premises and at least one month's storage of footage be made available for inspection at any given point of time.
5. The Transporter shall be responsible in case of any illegal disposal of Hazardous waste during the transportation and shall safely transport the waste from the premises of the Generator till the premises of the Utilizer/End user.
6. Both the parties, the Generator and the Utilizer/End user, shall keep record of inventory of Hazardous waste generation, reception, disposal & utilization (as applicable) as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and shall make inventory available for inspection.
7. The End user shall submit the certificate of receipt and utilization of Hazardous Waste (inventory) on monthly basis to the generator.
8. The End User shall not exceed the permitted/applied quantity of Hazardous waste from all generators.



Notary Signature

Notary Branch, Sahakar Bank Ltd

Notary Branch, Thane

Signature

Notary Signature

Notary Branch, Sahakar Bank Ltd

Notary Branch, Thane

Signature

9. Both the parties, the Generator and the Utilizer/End user, shall strictly follow CPCB guidelines of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and its amendments.
10. The end-user has to apply for Authorization immediately once CPCB releases SOP.
11. Transporter shall be responsible for the compliance of Motor Vehicle Act, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and Rules framed thereunder for carrying Hazardous Chemicals/waste.
12. Transporter selection by generator/end user shall be as per the HWM Rules 2016, Vehicle Act, and other related rules & regulations.
13. The Transporter shall ensure that the trucks shall be dedicated for transportation of hazardous wastes and shall not be used for any other purposes.
14. The Transporter shall ensure the cleaning of vehicles carrying Hazardous waste shall be carried out at designated places duly authorized by respective Pollution Control Board/Committee.
15. Utilizer/End users shall ensure returning of duly signed and stamped copy of manifest system (Copy-6) to generator as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
16. Utilizer/End users shall ensure to accept the manifest on GPCB XGN site after receiving the consignment of waste as per GPCB-XGN requirements.
17. Utilizer/End users shall ensure return of duly signed and stamped copy of manifest system (Copy-4) to the transporter after accepting the consignment of hazardous waste as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
18. Transporters shall be responsible for maintaining the record of Manifest system-Copy-4 at their end for inspection/verification.
19. Utilizer/End users shall ensure written communication to Generator through mail for acceptance of consignment with receipt vehicle photo at the end users gate and integrity of seal applied on valves/manholes of the vehicles carrying hazardous waste.

M/s. Aarti Industries Limited
(Daboj)

R. S. Patil
R. S. Patil

Authorized Signatory

M/s. Arun Industrial Products

M. Patel
M. Patel

Authorized Signatory



H. B. Sharma
- 9 MAY 2023

HARKISHIN B. SHARMA
ADVOCATE & NOTARY
1, CJS BLDG, GROUND FLOOR,
NEAR RATION OFFICE, S. N. ROAD,
MULLUND (W), MUMBAI-400 080.

3.0 NOISE LEVEL MONITORING REPORT



Period: April - 2024

FOR

**M/s. Aarti Industries Limited. (Unit – 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (3) 03.2023 to 22.09.2024

QC-MANET Accredited BIA & GW
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.	UERL/24/04/AIL-1/N-001	Date of Report:	03/05/2024
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD (Unit-1). Plot No. Z/103/H, Dahej SEZ Part-II, Dahej-392130, Tal. Vagara, Dist. Bharuch, 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	03/02/2024	02/02/2025

Date of Monitoring: 30/04/2024

Result: -

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 Main Gate	61.3	52.7	75 dB (A)	70 dB (A)
2.	Near Material Gate	59.7	51.6	75 dB (A)	70 dB (A)
3.	Near Boiler	71.2	54.7	75 dB (A)	70 dB (A)
4.	Near ETP	68.8	57.2	75 dB (A)	70 dB (A)
5.	Near MEA Plant	69.1	58.3	75 dB (A)	70 dB (A)
6.	Near MEA-2 Project Area.	60.2	56.2	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)

3.0 NOISE LEVEL MONITORING REPORT



Period: May - 2024

FOR

**M/s. Aarti Industries Limited. (Unit – 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (3) 03.2023 to 22.09.2024

QC-MARRI Accredited BIA & GW
Consultant Organization

GPCE Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.	UERL/24/05/AIL-1/N-001	Date of Report:	01/06/2024
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD (Unit-1). Plot No. Z/103/H, Dahej SEZ Part-II, Dahej-392130, Tal. Vagara, Dist. Bharuch, 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	03/02/2024	02/02/2025

Date of Monitoring: 21/05/2024

Result: -

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 Main Gate	62.4	53.2	75 dB (A)	70 dB (A)
2.	Near Material Gate	63.5	52.3	75 dB (A)	70 dB (A)
3.	Near Boiler	72.4	55.3	75 dB (A)	70 dB (A)
4.	Near ETP	69.2	60.2	75 dB (A)	70 dB (A)
5.	Near MEA Plant	70.5	61.2	75 dB (A)	70 dB (A)
6.	Near MEA-2 Project Area.	62.3	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)

3.0 NOISE LEVEL MONITORING REPORT



Period: June - 2024

FOR

**M/s. Aarti Industries Limited. (Unit – 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (3) 03.2023 to 29.09.2024

QC-MANET Accredited BIA & GW
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.	UERL/24/06/AIL-1/N-001	Date of Report:	05/07/2024
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD (Unit-1). Plot No. Z/103/H, Dahej SEZ Part-II, Dahej-392130, Tal. Vagara, Dist. Bharuch, 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: 26/06/2024

Result: -

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 Main Gate	63.3	54.4	75 dB (A)	70 dB (A)
2.	Near Material Gate	62.5	53.7	75 dB (A)	70 dB (A)
3.	Near Boiler	71.2	56.6	75 dB (A)	70 dB (A)
4.	Near ETP	68.7	61.4	75 dB (A)	70 dB (A)
5.	Near MEA Plant	73.3	63.1	75 dB (A)	70 dB (A)
6.	Near MEA-2 Project Area.	63.4	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)

3.0 NOISE LEVEL MONITORING REPORT



Period: July - 2024

FOR

**M/s. Aarti Industries Limited. (Unit – 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (3) 03.2023 to 22.09.2024

QC-MANET Accredited BSI & QW
Consultant Organization

GPCE Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.	UERL/24/07/AIL-1/N-001	Date of Report:	05/08/2024
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD (Unit-1). Plot No. Z/103/H, Dahej SEZ Part-II, Dahej-392130, Tal. Vagara, Dist. Bharuch, Gujarat.		
Location of Sampling / Monitoring	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

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

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

Date of Monitoring: 29/07/2024

Result: -

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 Main Gate	62.3	53.2	75 dB (A)	70 dB (A)
2.	Near Material Gate	63.2	51.2	75 dB (A)	70 dB (A)
3.	Near Boiler	72.2	55.4	75 dB (A)	70 dB (A)
4.	Near ETP	69.5	56.2	75 dB (A)	70 dB (A)
5.	Near MEA Plant	70.3	59.2	75 dB (A)	70 dB (A)
6.	Near MEA-2 Project Area.	62.4	50.2	75 dB (A)	70 dB (A)

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

3.0 NOISE LEVEL MONITORING REPORT



Period: August - 2024

FOR

M/s. Aarti Industries Limited. (Unit – 1)
(Neo SEZ Unit)

At

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

Monitoring Organization



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

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (3) 03.2023 to 29.09.2024

QC-MANET Accredited B&C
Consultant Organization

GPCE Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.	UERL/24/08/AIL-1/N-001	Date of Report:	05/09/2024
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD (Unit-1). Plot No. Z/103/H, Dahej SEZ Part-II, Dahej-392130, Tal. Vagara, Dist. Bharuch, Gujarat.		
Location of Sampling / Monitoring	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

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

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

Date of Monitoring: 21/08/2024

Result: -

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 Main Gate	61.6	52.7	75 dB (A)	70 dB (A)
2.	Near Material Gate	62.7	50.6	75 dB (A)	70 dB (A)
3.	Near Boiler	71.2	54.5	75 dB (A)	70 dB (A)
4.	Near ETP	68.6	55.7	75 dB (A)	70 dB (A)
5.	Near MEA Plant	69.5	58.3	75 dB (A)	70 dB (A)
6.	Near MEA-2 Project Area.	61.2	51.4	75 dB (A)	70 dB (A)

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

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

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

3.0 NOISE LEVEL MONITORING REPORT



Period: September - 2024

FOR

**M/s. Aarti Industries Limited. (Unit – 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

QC/NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.	UERL/24/09/AIL-1/N-001	Date of Report:	30/09/2024
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD (Unit-1). Plot No. Z/103/H, Dahej SEZ Part-II, Dahej-392130, Tal. Vagara, Dist. Bharuch, 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: 27/09/2024

Result: -


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 Main Gate	62.2	50.5	75 dB (A)	70 dB (A)
2.	Near Material Gate	61.5	51.2	75 dB (A)	70 dB (A)
3.	Near Boiler	70.3	61.3	75 dB (A)	70 dB (A)
4.	Near ETP	69.1	56.2	75 dB (A)	70 dB (A)
5.	Near MEA Plant	68.4	59.6	75 dB (A)	70 dB (A)
6.	Near MEA-2 Project Area.	62.4	52.5	75 dB (A)	70 dB (A)

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

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

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

Checked By:




Nikunj D. Patel
(Chemist)

Authorized By:


Jaivik S. Tandel
(Manager - Operations)

Coal Handling Guideline Compliance

Sr. no.	Content	Compliance
(A) Location criteria		
1.	Coal handling unit/Agency shall not use any agriculture land and shall be located at a minimum distance of 250 meters away from the surrounding agricultural land.	Complied. The unit is already located at a minimum distance of 250 meters away from the surrounding agricultural land. Our unit is in the Special Economic Zone area.
2.	Government waste land not suitable for any agricultural purpose meeting with the requisite siting / distance criteria shall be preferred for establishing coal handling units.	Complied. Our unit is in the Special Economic Zone area.
3.	Coal handling unit/Agency shall be minimum 500 meters away from the residential area, school/colleges, Historical Monuments, Religious Places, Ecological sensitive area as well as forests area.	Complied. There is no residential area, school/colleges, Historical Monuments, Religious Places, Ecological sensitive area of 500 m radial distance from the project site.
4.	Coal handling unit/Agency shall be located at a minimum 500 meters away from the Railway line, Expressways, National Highways, State ways and District Roads and from water bodies like River, Nala, Canal, Pond etc.	Complied. There is no Railway line, Expressways, National Highways, State ways and District Roads and from water bodies like River, Nala, Canal, Pond of 500 m radial distance from project site..
5.	In case of coal handling activities at the ports and jetties or extension thereof, the distance and land use criteria may be relaxed and compensated by advanced/sophisticated pollution control measures and mechanization & thick plantation, however all such ports and jetties, where coal handling is carried out, shall provide closed conveyor belt and mechanization for handling of coal.	Complied. Our unit is not carrying out coal handling activities at the ports and jetties or extension thereof.
(B) Storage and handling criteria		
6.	Coal handling unit/Agency shall store coal in such a way that coal heap should not be higher than 5 meter and clear distance between two adjoining heaps at G.L. should be 5 meters, so that in case of fire, approach is available.	Complied. Unit has store coal in such a way that coal heap should not be higher than 5 meter and clear distance between two adjoining heaps at G.L. should be 5 meters as shown in below photoes.

		 <p style="text-align: center;"><u>New Coal Storage Yard</u></p>  <p style="text-align: center;"><u>Old Coal Storage Yard</u></p>
7.	There should be mechanized loading/ unloading system from the loading /unloading area to the stacking yards and into the vehicles.	<p>Complied.</p> <p>Unit ues Mechanical Loader for loading/ unloading of Coal.</p>
8.	Coal handling unit/Agency shall take all corrective steps to resolve the issue of air pollution at permitted coal storage/handling area where coal is being stored.	<p>Complied.</p> <p>Unit has installed dust curtains surrounding the coal yard for control of dust dispersion during unloading and loading activity.</p>



Dust curtains

Unit has also installed a enclosed Good Lift for handling of material in a closed loop system.



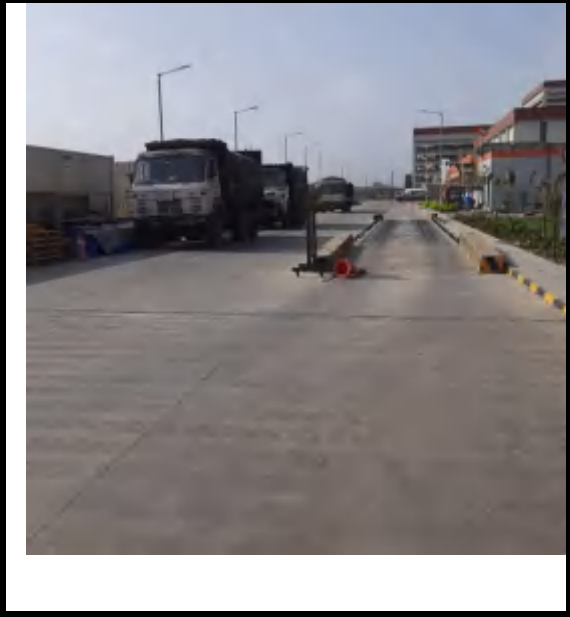
Enclosed Good Lift



(C) Transport criteria

9. Coal handling unit/Agency shall ensure that all trucks before leaving the storage yard shall be showered with water with adequate system, Shall be covered with tarpaulin or any other effective measure/device completely and also that trucks are not overloaded as well as there is no spillage during transportation.

Complied.

Unit has ensured that all trucks before leaving the storage yard will be showered with water with adequate system, covered with tarpaulin or any other effective measure/device completely and also that trucks are not overloaded as well as there is no



		spillage during transportation.
10.	The vehicle carrying the coal should not be overloaded by raising the height of carriage. Weigh scale shall be provided within the loading area only and port / coal park authority shall ensure that no overloading is done.	Complied. The unit has ensured that the truck is properly covered and is not overloaded.
11.	The top of the vehicle should be covered with fixed cover instead of tarpaulin cover to avoid spillage or dusting of coal.	Complied. The unit has ensured that the top of the vehicle should be covered with fixed cover instead of tarpaulin cover.
(D) Pollution prevention criteria		
12.	Coal handling unit/Agency shall provide paved approach with adequate traffic carrying capacity	Complied. The unit has Internal concreted roads with adequate traffic carrying capacity. Photograph attached as below.
		
		<u>Internal concreted roads</u>
13	Coal handling unit/Agency shall construct compound wall all along the periphery of the premises with minimum 9 meters height	Complied. The unit has a compound wall all along the periphery of the coal storage yard premises with a minimum 9 meters height. Photograph attached below.

		 <p style="text-align: center;"><u>Compound wall</u></p>
14.	<p>Continuous water sprinkling shall be carried out on the top of the heap at regular intervals to prevent dusting, fire & smoke. To prevent fugitive emissions during loading/unloading, fixed pipe network with sufficient water storage and pump shall be installed. Water sprinkling shall be carried out at each and every stage of handling to avoid generation of coal dust or other dust within premises</p>	<p>Compiled. The Unit has installed Continuous water sprinkling System for preventing dusting, fire & smoke. Photograph attached below.</p>  <p style="text-align: center;"><u>Continuous water sprinkling System</u></p>
15.	<p>Coal handling unit/Agency shall ensure regular sweeping of coal dust from internal and main road and also ensure that there is adequate space for free movement of vehicles.</p>	<p>Compiled. The unit has ensured regular sweeping of coal dust from internal and main road and also ensured that there is adequate space for free movement of vehicles.</p>
16.	<p>The following adequate Air Pollution Control Measures shall be installed and to be operated efficiently.</p>	<p>Compiled. Unit has installed dust curtains surrounding the coal yard for control of dust dispersion during unloading and loading activity.</p>

<p>(a) Dust containment cum suppression system for the coal stack, loading and unloading.</p>	 <p><u>Dust curtains</u></p> <p>Unit has also installed a enclosed Good Lift for handling of material in a closed loop system.</p>  <p><u>Enclosed Good Lift</u></p>
<p>(b) Construction of effective wind breaking wall suitable to local conditions to prevent the suspension of particles from the heaps.</p>	<p>Compiled. The unit has constructed a wind breaking wall for preventing the suspension of particles from the heaps. Photograph attached below.</p>



Wind breaking wall


		  <p style="text-align: center;"><u>Wind breaking wall</u></p>
	<p>(c) Construction of metal road & RCC Pucca flooring in the plot area/godown etc.</p>	<p>Compiled. The unit has constructed RCC flooring in the Coal storage area Which shows condition no.6 photograph.</p>
	<p>(d) System for regular cleaning and wetting of the floor area within the premises.</p>	<p>Compiled. The unit has ensured regular cleaning and wetting of the floor area within the premises.</p>

(e) Entire coal storage area/ godown should be covered with permanent weather shed roofing and side walls i.e., in closed shed, in case of crushing/sieving/grading activity is carried out (i.e. G. I. Sheet) along with adequate additional APCM should be installed.

Compiled.

Entire coal storage area/ godown will be covered with permanent weather shed roofing and side walls. Photograph attached below.



		<u>Coal storage area</u>
17.	Coal handling unit/Agency shall carryout three rows plantation with tall growing trees all along the periphery of the coal handling premises, inside & outside of the premises along with road.	<p>Compiled.</p> <p>Unit will carry out three row plantations with tall growing trees all along the periphery of the coal handling premises, inside & outside of the premises along with road. Photograph attached below.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">  <p><u>Tree Plantation</u></p> </div>
18.	Proper drainage system shall be provided in all coal storage area so that water drained from sprinkling & runoff is collected at a common tank and can be reused after screening through the coal slit or any other effective treatment system.	Compiled.
19.	All the engineering control measures and state of the art technology including covered conveyor belts, mechanized loading and unloading, provision of silo etc. shall be provided in addition to the measures recommended in the environmental guidelines for curbing the pollution.	<p>Compiled.</p> <p>The unit has installed engineering control measures like covered conveyor belts, Dust curtains ,Enclosed Good Lift & fly ash pneumatic conveying system As per environmental guidelines for curbing the pollution. Photograph attached below.</p>




Covered conveyor belts





Dust curtains




		<p style="text-align: center;"><u>Enclosed Good Lift</u></p>  <p style="text-align: center;"><u>fly ash pneumatic conveying system</u></p>
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(E) Safety requirement

20.	<p>Coal handling unit/Agency shall provide adequate fire fighting measures to avoid any fire or related hazards including adequate water storage facility, and the premises shall be exclusively used for storage of the coal.</p>	<p>Compiled. The unit has installed adequate fire fighting measures like fire hydrant and sprinkler system to avoid any fire or related hazards. Photograph attached below.</p>  <p style="text-align: center;"><u>Fire hydrant & Fire extinguisher</u></p>
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		 <p style="text-align: center;"><u>Sprinkler system</u></p>
21.	An onsite emergency plan shall be prepared and implemented by coal handling unit.	<p>Complied.</p> <p>Onsite emergency plan prepared by the unit. Emergency plan submitted and approved by DISH.</p> <p>Unit has conducted periodically Mockdrill on different scenarios and the same as attached as Annexure-1</p>
(F) Legal criteria		
22.	Necessary permission from all the applicable regulatory authorities and adequate steps under the provisions of applicable environmental acts/ rules shall be taken.	<p>Complied.</p> <p>The unit is complying with the conditions of Environment Clearance granted by MoEF & CC vide order no. as below.</p> <p>1) Environment Clearance letter no SEIAA/GUJ/EC /5(f)/173/2013 dated 05/07/2013.</p> <p>2) Environment Clearance amendment Letter No. SEIAA/GUJ/EC/5(f)/547/2019 dated 10/04/2019.</p> <p>3)Environment Clearance Extension and amendment Letter No. SEIAA/GUJ/EC/5(f) /1639/2020 dated 31/12/2020.</p> <p>4) Environment Clearance Expansion Letter No. SEIAA/GUJ/EC/5(f)/2630/2022 dated 07/11/2022.</p> <p>5) Environment Clearance Amendment Letter No. SEIAA/GUJ/EC/5(f)/255/2024 dated 29/02/2024.</p>

		<p>The unit has submitted a half yearly compliance report for the period of Oct'23 to Mar'24 on 27.05.2024 as reference no. AIL/DHJ/NEO/ENV/2024-25/007.</p> <p>An Acknowledgement copy of the same is attached as Annexure-2</p>
23.	<p>Coal handling unit/Agency shall prepare EMP (Environment Management Plan) and implement the same in true spirit and thus maintain overall environment of that area.</p>	<p>Compiled.</p> <p>EMP (Environment Management Plan) Compliance report attach as Annexure-3</p>
24.	<p>Coal handling unit/Agency shall not carry out the operation of loading/unloading of coal/coal dust at any place, till adequate air pollution control equipment for dust control/suppression are installed and efficiently operated and the consent under the provisions of Air (Prevention & Control of Pollution) Act, 1981 is obtained by the coal yard owners/ Coal handling unit/Agency / coal importers.</p>	<p>Compiled.</p> <p>Unit has followed the Solid Fuel guideline framed by the Board and installed APCM as per guideline.</p> <p>APCM:-</p> <p>PCM systems have been installed for Boiler 67 TPH, 20 TPH such as ESP. Fly Ash being stored in a silo storage area</p>  <p><u>3 stage ESP and 76 m stack attached to boiler</u></p>



Silo installed for fly ash storage and dusting free truck loading



Automated Lime feeding system for controlling SOx commission.

25. Coal handling unit/Agency shall operate continuous Ambient Air Quality Monitoring Stations as per CPCB guideline. The results of parameters like SPM, RSPM, and SO₂ and NO_x shall be submitted to the SPCB three months.

Compiled.
Unit has installed online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB
Photos of CEMS are attached as per following :





Photocopy of GPCB server for CEMS system

The results of parameters like SPM, RSPM, and SO₂ and NO_x shall be submitted to the SPCB three months

26. The concentration of the following parameters in the ambient air within the premises and a distance of 10 meters from the source (other than the stack/vent) shall not exceed the following levels.

Compiled.
The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by a MoEF approved laboratory (Unistar Environment & Research Labs Pvt. Ltd.). The results of the analysis are provided in the table. Copy of the

<table border="1"> <thead> <tr> <th rowspan="2">PARAMETERS</th> <th colspan="2">PERMISSIBLE LIMIT</th> </tr> <tr> <th>Annual (Microgram/m3)</th> <th>24 hrs Average (Microgram/m3)</th> </tr> </thead> <tbody> <tr> <td>PM 10</td> <td>60</td> <td>100</td> </tr> <tr> <td>PM 2.5</td> <td>40</td> <td>60</td> </tr> <tr> <td>SO2</td> <td>50</td> <td>80</td> </tr> <tr> <td>NOx</td> <td>40</td> <td>80</td> </tr> </tbody> </table>	PARAMETERS	PERMISSIBLE LIMIT		Annual (Microgram/m3)	24 hrs Average (Microgram/m3)	PM 10	60	100	PM 2.5	40	60	SO2	50	80	NOx	40	80	<p>analysis report has been attached as Annexure-4</p> <p>Unistar NABL Certification No.: TC-7753</p> <table border="1"> <thead> <tr> <th rowspan="2">Location</th> <th rowspan="2">Parameters(microgram /m3)</th> <th colspan="3">Month</th> </tr> <tr> <th>July 24</th> <th>Aug 24</th> <th>Sept 24</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Main Gate</td> <td>PM10</td> <td>71.5</td> <td>70.63</td> <td>74.5</td> </tr> <tr> <td>PM2.5</td> <td>23.6</td> <td>23.38</td> <td>24</td> </tr> <tr> <td>SO2</td> <td>14.79</td> <td>14.49</td> <td>17</td> </tr> <tr> <td>NO2</td> <td>19.82</td> <td>18.29</td> <td>21.85</td> </tr> <tr> <td rowspan="4">ETP</td> <td>PM10</td> <td>76.1</td> <td>69.5</td> <td>70.75</td> </tr> <tr> <td>PM2.5</td> <td>24.6</td> <td>69.5</td> <td>23</td> </tr> <tr> <td>SO2</td> <td>15.53</td> <td>15.59</td> <td>19.12</td> </tr> <tr> <td>NO2</td> <td>20.38</td> <td>18.96</td> <td>23.28</td> </tr> <tr> <td rowspan="4">Plant Office</td> <td>PM10</td> <td>69.2</td> <td>68.75</td> <td>69.25</td> </tr> <tr> <td>PM2.5</td> <td>21</td> <td>22.5</td> <td>21.87</td> </tr> <tr> <td>SO2</td> <td>14.74</td> <td>14.85</td> <td>18.02</td> </tr> <tr> <td>NO2</td> <td>19.96</td> <td>20.34</td> <td>22.65</td> </tr> </tbody> </table> <p>Note: N.D.- Not Detected, BDL - Below Detection Limit</p>	Location	Parameters(microgram /m3)	Month			July 24	Aug 24	Sept 24	Main Gate	PM10	71.5	70.63	74.5	PM2.5	23.6	23.38	24	SO2	14.79	14.49	17	NO2	19.82	18.29	21.85	ETP	PM10	76.1	69.5	70.75	PM2.5	24.6	69.5	23	SO2	15.53	15.59	19.12	NO2	20.38	18.96	23.28	Plant Office	PM10	69.2	68.75	69.25	PM2.5	21	22.5	21.87	SO2	14.74	14.85	18.02	NO2	19.96	20.34	22.65
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27.	<p>The applicant shall be required to provide the following minimum APCM based on type of fuel and its consumption, fuel property like CV equivalent (NCV of fuel), equivalent ash content, equivalent moisture content etc. the industry may add to the APCM prescribed below, if need be so.</p> <table border="1"> <thead> <tr> <th>Steam Generation Capacity</th> <th>Types of APCM</th> </tr> </thead> <tbody> <tr> <td>Less than 1</td> <td>Cyclone + Water Scrubber</td> </tr> <tr> <td>1 to 8</td> <td>Multi Cyclone + Bag Filter + Water Scrubber</td> </tr> <tr> <td>8 and more</td> <td>ESP</td> </tr> </tbody> </table>	Steam Generation Capacity	Types of APCM	Less than 1	Cyclone + Water Scrubber	1 to 8	Multi Cyclone + Bag Filter + Water Scrubber	8 and more	ESP	<p>Compiled.</p> <p>Unit has followed the Solid Fuel guideline framed by the Board and installed APCM as per guideline.</p> <p>APCM:-</p> <p>PCM systems have been installed for Boiler 67 TPH, 20 TPH such as ESP. Fly Ash being stored in a silo storage area</p>																																																																			
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3 stage ESP and 76 m stack attached to boiler

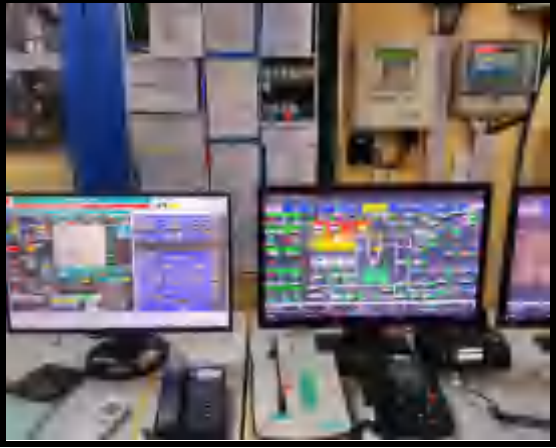


Silo installed for fly ash storage and dusting free truck loading



Automated Lime feeding system for controlling SOx commission.

28.	The unit shall install on line continuous emission monitoring system (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH.	Compiled. Unit has installed online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB. Photos of CEMS attached in condition no.25
29.	If Boilers is of more than 8 TPH capacities, the unit shall install online CO2 analyzer/ online CO2 monitoring system and the combustion efficiency of the Boiler should be checked regularly.	It will be Complied.
30.	In case of ESP, minimum 3 fields shall be provided.	<p>Compiled.</p>  <p>3 stage ESP and 76 m stack attached to boiler</p>
31.	Control of SOx through one of the processes mentioned below (for coal fired boilers).	Compiled. We use the Wet Limestone Process to control the SOx emission as shown in the photo.
a	· Wet Limestone Process	
b	· Semi-wet Flash Absorption Process	
c	· Spray Drying-cum-Absorption Process	
d	· Sodium Alkali Process	
e	· Ammonia Process	


32.	Control of particulate matter by installing efficient ESP/Bag filters.	Compiled. The unit has 3 stage ESP and an 76 m stack attached to the boiler. Photograph attached as in condition no.30
33.	Control of NOx with latest combustion grate technology, dynamically Air/Water cooled grate system (for multi fuel boilers & less than 20 TPH capacity).	Compiled. The unit has used the latest combustion grate technology, dynamically Air/Water cooled grate system to control the NOx emission.
34.	PLC controlled operations.	Compiled. The unit has provided a DCS system to control operations. Photograph attached below.  <p style="text-align: center;"><u>DCS System</u></p>
35.	Boiler efficiency shall be minimum 75 % and record for the same shall be maintained.	Noted and Compiled.
36.	Boilers having capacity of 3 TPH or more shall be provided with an Online monitoring system and auto fuel feeding system with conveyor/screw belt.	Compiled. Unit has installed online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB. Photos of CEMS are attached in condition no.28 The unit has an auto fuel feeding system with a screw belt. Photograph attached below.



		 <p><u>Auto fuel feeding system with a screw belt.</u></p>
37.	<p>The cyclone bottom opening should be kept airtight & leak proof; else, it would reduce cyclone efficiency. The duct collected should be taken out from time to time (say once per shift) & appropriately disposed avoiding secondary pollution.</p>	<p>Noted and Compiled.</p>
38.	<p>Cyclone, multi cyclone, bag filter and ESP shall be provided with rotary air valve for auto collection/discharge of fine dust</p>	<p>Compiled. The unit has provided ESP with a rotary air valve for auto collection/discharge of fine dust. Photograph attached below.</p> 




Rotary air valve

39.	Material of construction of wet scrubber should be S.S. 316 or equivalent to withstand against corrosion and acid effect. All water circulation pipe and pump should be S.S. 316 or acid and corrosion proof.	Not Applicable.								
40.	Sufficient water storage tank and filter arrangement to be provided for removing micro dust from circulating water.	Not Applicable.								
41.	Air pressure line of adequate capacity shall be provided for efficient working of air pulse jet system.	Not Applicable.								
42.	Energy meter for APCM shall be provided and record for the same should be maintained.	<p>Compiled.</p> <p>The has provided separate energy meter for APCM And it's record has been maintained.Same is being uploaded in the XGN portal on a monthly basis.</p> <table border="1" data-bbox="927 1514 1502 1717"> <thead> <tr> <th>Month</th> <th>APCM (KWH)</th> </tr> </thead> <tbody> <tr> <td>July</td> <td>7605</td> </tr> <tr> <td>August</td> <td>9250</td> </tr> <tr> <td>September</td> <td>8917</td> </tr> </tbody> </table> <p>Photograph attached below.</p>	Month	APCM (KWH)	July	7605	August	9250	September	8917
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		 <p style="text-align: center;"><u>APCM PLC Panel</u></p>
43.	<p>In bag filter technical by-pass can be allowed only heavy duty bypass damper arrangement in case if the by-pass is provided by the manufacturer itself and can operate with electro pneumatic system in case of high temperature or low temperature gas (dew point temperature acid formation), RAV not operating. By-pass gas should pass through only cyclone or multicyclone before connected to chimney. In any case manual by-pass system is not allowed.</p>	Not Applicable.
44.	<p>Auto by-pass system should display on the control panel</p>	Not Applicable.
(H)Stack/chimney requirements:		
45.	<p>Stack height shall not be less than 33 meters in any case.</p>	<p>Compiled. Unit has two boiler stacks (14 TPH & 67 TPH). The height of 14 TPH boiler and 67 TPH boiler is 42 meters and 76 meters respectively.</p>

46.	Chimney should be provided with strong ladder and platform to take sample.	<p>Compiled.</p> <p>Chimney has provided a strong ladder and platform to take samples. Photograph attached below.</p>   <p style="text-align: center;"><u>Ladder and Platform</u></p>
48.	230 V electrical points with weather proof plug and switch to be provided near chimney for sampling instrument.	<p>Compiled.</p> <p>The unit is equipped with 230V electrical outlets with weatherproof plug and a switch will be provided near the chimney for the sampling instruments. Photograph provided in condition no. 47</p>

Fly Ash Handling Guideline Compliance		
Sr. No.	Content	Compliance

1	<p>Sender and Receiver collectively shall ensure that fly ash is transported in Environmentally sound manner following the guidelines prescribed by CPCB.</p>	<p>Compiled. The fly ash is transported in a closed dump truck to control dust pollution. Photograph attached below.</p>  <p style="text-align: center;"><u>Closed dump truck</u></p>
2	<p>The user agency shall obtain prior approval of design of Road Tankers/ Bulkers or mechanically covered trucks, as the case may be, from the concerned State Pollution Control Board.</p>	<p>Compiled.</p>
3	<p>State Pollution Control Board shall clearly indicate mode of transportation and method of loading and unloading while granting the Condition.</p>	<p>Compiled.</p>
4	<p>In no case, Fly Ash or Bottom ash shall be allowed to be transported by open trucks/ trollies irrespective of distance or end use.</p>	<p>Compiled. The fly ash is transported in a closed dump truck to control dust pollution. Photograph attached in condition no.1</p>
5	<p>Fly Ash is generally transported either from fly ash Silo or from ash pond upto distance varying from less than 1 Km to 50 Kms using the SPCB granted modes of transportation.</p>	<p>Compiled. Fly Ash has been transported from fly ash Silo up to distance varying from less than 1 Km to 50 Kms using the SPCB granted modes of transportation.</p>
6	<p>Fly ash is stored only in Silo, Domes and other bulk storage facilities.</p>	<p>Compiled. Fly has been stored in Silo.</p>
7	<p>Fly ash can be transferred using air slides, bucket conveyors, screw conveyors or through pipelines under positive or negative pressure condition to the Silo to prevent the fugitive emission.</p>	<p>Compiled. The fly ash was transferred by air sliding to the silo and fugitive emissions will be avoided from the silo.</p>
8	<p>The opening of telescopic chutes should be closed and confined to avoid fugitive dust emission.</p>	<p>Compiled. The opening of telescopic chutes has been closed and confined to avoid fugitive dust emission. Photograph attached below.</p>



Telescopic Chutes

9	Avoid overfilling of fly ash in tractors/ trucks during transportation. Adequate free board in trucks should be kept to avoid overflow/ spillage during transportation.	<p>Noted and Compiled.</p> <p>The unit has ensured that no overfilling of fly ash in trucks has been done during transportation. Adequate free board in trucks has been kept to avoid overflow during transportation.</p>
10	The Fly ash silo should be made of anti- abrasive or anti- corrosive. It is preferred to provide concrete Silo / Hopper to avoid leakages.	<p>Compiled.</p> <p>Material of construction of the fly ash silo is S.S. 304. It's a strong metal with high resistance against corrosion.</p>
11	Telescopic Chutes should be anti-abrasive material/ cloth.	<p>Compiled.</p>
12	Water sprinkling should be made to suppress fugitive emission, if any generated.	<p>Compiled.</p> <p>The unit has provided a water sprinkling system nearby the area to prevent fugitive emission.</p>
13	Unit should make arrangements for washing wheels of the vehicles (Bulkers/Trucks) before they leave out for the main road.	<p>Compiled.</p> <p>Unit will make arrangements for washing wheels of the vehicles (Bulkers/Trucks) before they leave out for the main road.</p>
14	In case of any spillage enroute during transportation of fly ash, the agency shall ensure that spilled ash is collected and transported to the disposal/ usage site immediately.	<p>Noted and Compiled.</p> <p>In case of any spillage enroute during transportation of fly ash, the unit will ensure that spilled ash is collected and transported to the disposal/ usage site immediately.</p>

15	All the Bulklers and trucks or tractors responsible for carrying fly ash should have valid pollution Under Control certificates.	Noted and Compiled. The unit has ensured that all the Bulklers and trucks or tractors responsible for carrying fly ash have valid pollution Under Control certificates.
16	The speed limit of vehicles carrying fly ash should be strictly enforced and in no case the same shall exceed 40 kms per hour.	Compiled. The unit has ensured that the speed limit of vehicles carrying fly ash is strictly enforced and in no case exceeds 40 kms per hour.
17	Transportation of fly ash through thickly populated areas should be avoided as far as possible.	Noted and Compiled.
18	General awareness/ training programmes should be organised regularly for tankers operating staff like drivers and cleaners on the impact of hazard of fly ash.	Noted and Compiled. General awareness/ training programmes (have been organized regularly for tankers operating staff like drivers and cleaners on the impact of hazard of fly ash.
19	Fly ash based Brick, Tiles, Blocks etc manufacturers should have mechanically designed covered trucks need to be used. Tractor trolleys with box type cover on top with hydraulic unloading system need only to be deployed for transportation of dry or wet fly ash, while traversing through habilitated areas otherwise, tractor trolleys suitably covered with good quality of tarpaulin (made of HDPE) could be allowed to transport fly ash for shorter distance say upto a distance of about 10 kms.	Noted and Compiled.
20	Cement and asbestos manufacturers should mechanically design covered trucks and provided with automatic loading and unloading through compressor/ vacuum pumps mounted on the tankers need only to be used./ Special designed railways wagons similar to Bulklers/ Tankers need to be used for transportation.	Noted and Compiled.
21	Road Construction and filling of low lying area users should have used Tankers/ Bulklers or mechanically designed covered Trucks Need to be used.	Noted and Compiled.

2.0 STACK MONITORING REPORT



Period: April - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

MOEF,DC (GOI) Recognized Environmental
Laboratory under the EPA 1986 (31.03.2023 to 22.09.2024)

QC/NABET Accredited QA & QW
Consultant Organization

CPCL Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/04/AIL-1/S-006	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-006	Service Request Date	30/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/006
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	30/04/2024	Date of Testing	01/05/2024
Stack Sampling Attached to	Boiler-2 (67 TPH)		
Air Pollution Control Device	ESP + Lime Dosing with Coal.		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
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	76
2.	Stack Dia	Mm	3600
3.	Stack Area	m ²	10.1736
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	142
6.	Exit Gas Velocity	m/s	6.7
7.	Exit Gas Flow	Nm ³ /h	173835.9

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	74	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	66	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	38	50	IS 11255(Part 7)
4.	VOCs	ppm	3.1	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/04/AIL-1/S-001	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-001	Service Request Date	30/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/001
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	30/04/2024	Date of Testing	01/05/2024
Stack Sampling Attached to	Boiler-1 (14 TPH) & Thermic Fluid Heater (6 Lac Kcal/Hr) (Common Chimney)		
Air Pollution Control Device	ESP + Lime Dosing with Coal		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
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	42
2.	Stack Dia	mm	1200
3.	Stack Area	m ²	1.1314
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	134
6.	Exit Gas Velocity	m/s	7.1
7.	Exit Gas Flow	m ³ /h	21277.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	22	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	16	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	31	50	IS 11255(Part 7)
4.	VOCs	ppm	2.5	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/04/AIL-1/S-002	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-002	Service Request Date	30/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/002
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	30/04/2024	Date of Testing	01/05/2024
Stack Sampling Attached to	D.G. Set - 1 (1000 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
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	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	1535.9

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	68	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	33	50	IS 11255(Part 7)
4.	VOCs	ppm	2.2	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

STACK MONITORING

Test Report No.	UERL/24/04/AIL-1/S-003	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-003	Service Request Date	30/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/003
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	30/04/2024	Date of Testing	01/05/2024
Stack Sampling Attached to	D.G. Set – 2 (1000 KVA)		
Fuel Used	Diesel		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
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	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	119
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	1505.8

➤ Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	73	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	35	50	IS 11255(Part 7)
4.	VOCs	ppm	2.6	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

STACK MONITORING

Test Report No.	UERL/24/04/AIL-1/S-004	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-004	Service Request Date	30/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/004
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	30/04/2024	Date of Testing	01/05/2024
Stack Sampling Attached to	D.G. Set – 3 (1500 KVA)		
Fuel Used	Diesel		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
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	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	1541.9

➤ Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	65	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	17	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	31	50	IS 11255(Part 7)
4.	VOCs	ppm	2.4	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/04/AIL-1/S-005	Report Issue Date	03/05/2024
Service Request form No.	UERL/AIR/D/SRF/04/S-005	Service Request Date	30/04/2024
Sample ID No.	UERL/AIR/D/ID/S-24/04/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/04/005
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	30/04/2024	Date of Testing	01/05/2024
Stack Sampling Attached to	Scrubber Attached to Hydrolysis Process		
Fuel Used	--		
Air Pollution Control Device	Caustic Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2024	Next Calibration Due On	02/02/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	35

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Hydrochloric Acid as HCl	mg/Nm ³	BDL (MDL:1.0)	20	Argentometric Method
2.	VOCS	PPM	3.1	**	GC Method

Note: BDL: Below Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

2.0 STACK MONITORING REPORT



Period: May - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

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Laboratory under the EPA 1986 (31.03.2023 to 22.09.2024)

QC/NABET Accredited QA & QW
Consultant Organization

CPCL Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/05/AIL-1/S-006	Report Issue Date	01/06/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-006	Service Request Date	21/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/006
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/05/2024	Date of Testing	22/05/2024
Stack Sampling Attached to	Boiler-2 (67 TPH)		
Air Pollution Control Device	ESP + Lime Dosing with Coal.		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
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	76
2.	Stack Dia	Mm	3600
3.	Stack Area	m ²	10.1736
4.	Ambient Temperature	°C	36
5.	Flue Gas Temperature	°C	135
6.	Exit Gas Velocity	m/s	6.8
7.	Exit Gas Flow	Nm ³ /h	183477.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	22	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	96	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	36	50	IS 11255(Part 7)
4.	VOCS	ppm	2.8	**	GC Method

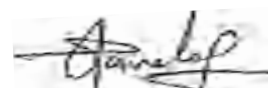
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/05/AIL-1/S-001	Report Issue Date	01/06/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-001	Service Request Date	21/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/001
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/05/2024	Date of Testing	22/05/2024
Stack Sampling Attached to	Boiler-1 (14 TPH) & Thermic Fluid Heater (6 Lac Kcal/Hr) (Common Chimney)		
Air Pollution Control Device	ESP + Lime Dosing with Coal		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
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	42
2.	Stack Dia	mm	1200
3.	Stack Area	m ²	1.1314
4.	Ambient Temperature	°C	36
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	7.2
7.	Exit Gas Flow	m ³ /h	22429.3

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	28	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	36	50	IS 11255(Part 7)
4.	VOCS	ppm	2.6	**	GC Method

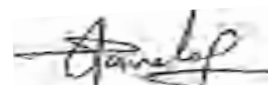
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/05/AIL-1/S-002	Report Issue Date	01/06/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-002	Service Request Date	21/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/002
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/05/2024	Date of Testing	22/05/2024
Stack Sampling Attached to	D.G. Set - 1 (1000 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
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	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	36
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	1557.4

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	36	50	IS 11255(Part 7)
4.	VOCs	ppm	3.1	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

STACK MONITORING

Test Report No.	UERL/24/05/AIL-1/S-003	Report Issue Date	01/06/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-003	Service Request Date	21/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/003
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/05/2024	Date of Testing	22/05/2024
Stack Sampling Attached to	D.G. Set – 2 (1000 KVA)		
Fuel Used	Diesel		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
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	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	36
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	1507.6

➤ Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	72	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	37	50	IS 11255(Part 7)
4.	VOCs	ppm	3.2	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

STACK MONITORING

Test Report No.	UERL/24/05/AIL-1/S-004	Report Issue Date	01/06/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-004	Service Request Date	21/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/004
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/05/2024	Date of Testing	22/05/2024
Stack Sampling Attached to	D.G. Set – 3 (1500 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
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	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	36
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	1555.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	74	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	35	50	IS 11255(Part 7)
4.	VOCs	ppm	2.5	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/05/AIL-1/S-005	Report Issue Date	01/06/2024
Service Request form No.	UERL/AIR/D/SRF/05/S-005	Service Request Date	21/05/2024
Sample ID No.	UERL/AIR/D/ID/S-24/05/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/05/005
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/05/2024	Date of Testing	22/05/2024
Stack Sampling Attached to	Scrubber Attached to Hydrolysis Process		
Fuel Used	--		
Air Pollution Control Device	Caustic Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2024	Next Calibration Due On	02/02/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	36

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Hydrochloric Acid as HCl	mg/Nm ³	BDL (MDL:1.0)	20	Argentometric Method
2.	VOCS	PPM	3.2	**	GC Method

Note: BDL: Below Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

2.0 STACK MONITORING REPORT



Period: June - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

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Laboratory under the EPA 1986 (31.03.2023 to 22.09.2024)

QC/NABET Accredited QA & QW
Consultant Organization

CPCL Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/06/AIL-1/S-006	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-006	Service Request Date	26/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/006
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	26/06/2024	Date of Testing	27/06/2024
Stack Sampling Attached to	Boiler-2 (67 TPH)		
Air Pollution Control Device	ESP + Lime Dosing with Coal.		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	76
2.	Stack Dia	Mm	3600
3.	Stack Area	m ²	10.1736
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	131
6.	Exit Gas Velocity	m/s	7.1
7.	Exit Gas Flow	Nm ³ /h	190713.8

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	21	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	76	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	35	50	IS 11255(Part 7)
4.	VOCS	ppm	2.6	**	GC Method

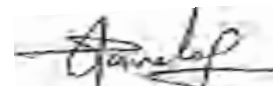
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/06/AIL-1/S-001	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	26/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/001
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	26/06/2024	Date of Testing	27/06/2024
Stack Sampling Attached to	Boiler-1 (14 TPH) & Thermic Fluid Heater (6 Lac Kcal/Hr) (Common Chimney)		
Air Pollution Control Device	ESP + Lime Dosing with Coal		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	42
2.	Stack Dia	mm	1200
3.	Stack Area	m ²	1.1314
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	116
6.	Exit Gas Velocity	m/s	6.8
7.	Exit Gas Flow	m ³ /h	21096.3

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	25	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	35	50	IS 11255(Part 7)
4.	VOCS	ppm	2.4	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/06/AIL-1/S-002	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-002	Service Request Date	26/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/002
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	26/06/2024	Date of Testing	27/06/2024
Stack Sampling Attached to	D.G. Set - 1 (1000 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	10.6
7.	Exit Gas Flow	Nm ³ /h	1444.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	73	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	34	50	IS 11255(Part 7)
4.	VOCs	ppm	2.8	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

STACK MONITORING

Test Report No.	UERL/24/06/AIL-1/S-003	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-003	Service Request Date	26/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/003
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	26/06/2024	Date of Testing	27/06/2024
Stack Sampling Attached to	D.G. Set – 2 (1000 KVA)		
Fuel Used	Diesel		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	126
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	1504.5

➤ Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	70	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	17	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	35	50	IS 11255(Part 7)
4.	VOCs	ppm	3.0	**	GC Method

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

TEST REPORT

STACK MONITORING

Test Report No.	UERL/24/06/AIL-1/S-004	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-004	Service Request Date	26/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/004
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	26/06/2024	Date of Testing	27/06/2024
Stack Sampling Attached to	D.G. Set – 3 (1500 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	1482.4

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	72	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	33	50	IS 11255(Part 7)
4.	VOCs	ppm	2.2	**	GC Method

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/06/AIL-1/S-005	Report Issue Date	05/07/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	26/06/2024
Sample ID No.	UERL/AIR/D/ID/S-24/06/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/06/005
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	26/06/2024	Date of Testing	27/06/2024
Stack Sampling Attached to	Scrubber Attached to Hydrolysis Process		
Fuel Used	--		
Air Pollution Control Device	Caustic Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2024	Next Calibration Due On	02/02/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	33

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Hydrochloric Acid as HCl	mg/Nm ³	BDL (MDL:1.0)	20	Argentometric Method
2.	VOCS	PPM	2.9	**	GC Method

Note: BDL: Below Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

2.0 STACK MONITORING REPORT



Period: July - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

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QC/NABET Accredited QA & QW
Consultant Organization

CPCL Recognized Environmental
Auditor (Schedule-II)

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Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/07/AIL-1/S-006	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-006	Service Request Date	29/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/006
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	29/07/2024	Date of Testing	30/07/2024
Stack Sampling Attached to	Boiler-2 (67 TPH)		
Air Pollution Control Device	ESP + Lime Dosing with Coal.		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	76
2.	Stack Dia	Mm	3600
3.	Stack Area	m ²	10.1736
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	135
6.	Exit Gas Velocity	m/s	3.2
7.	Exit Gas Flow	m ³ /h	84536.7

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	28	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	80	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	38	50	IS 11255(Part 7)
4.	VOCS	ppm	3.5	**	GC Method

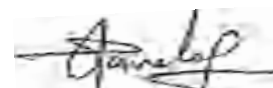
***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/07/AIL-1/S-001	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	29/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/001
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	29/07/2024	Date of Testing	30/07/2024
Stack Sampling Attached to	Boiler-1 (14 TPH) & Thermic Fluid Heater (6 Lac Kcal/Hr) (Common Chimney)		
Air Pollution Control Device	ESP + Lime Dosing with Coal		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	42
2.	Stack Dia	mm	1200
3.	Stack Area	m ²	1.1314
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	128
6.	Exit Gas Velocity	m/s	6.2
7.	Exit Gas Flow	m ³ /h	18532.9

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	20	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	36	50	IS 11255(Part 7)
4.	VOCS	ppm	3.3	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/07/AIL-1/S-002	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-002	Service Request Date	29/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/002
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	29/07/2024	Date of Testing	30/07/2024
Stack Sampling Attached to	D.G. Set - 1 (1000 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	1530.8

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	72	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	37	50	IS 11255(Part 7)
4.	VOCs	ppm	3.2	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

STACK MONITORING

Test Report No.	UERL/24/07/AIL-1/S-003	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-003	Service Request Date	29/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/003
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	29/07/2024	Date of Testing	30/07/2024
Stack Sampling Attached to	D.G. Set – 2 (1000 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm ³ /h	1497.4

➤ **Test Parameter Results**


DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	36	50	IS 11255(Part 7)
4.	VOCs	ppm	2.5	**	GC Method

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

Checked By:


Nikunj D. Patel
(Chemist)

Authorized By:


Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

STACK MONITORING

Test Report No.	UERL/24/07/AIL-1/S-004	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-004	Service Request Date	29/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/004
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	29/07/2024	Date of Testing	30/07/2024
Stack Sampling Attached to	D.G. Set – 3 (1500 KVA)		
Fuel Used	Diesel		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	1505.6

➤ Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	74	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	34	50	IS 11255(Part 7)
4.	VOCs	ppm	2.6	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/07/AIL-1/S-005	Report Issue Date	05/08/2024
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	29/07/2024
Sample ID No.	UERL/AIR/D/ID/S-24/07/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/07/005
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	29/07/2024	Date of Testing	30/07/2024
Stack Sampling Attached to	Scrubber Attached to Hydrolysis Process		
Fuel Used	--		
Air Pollution Control Device	Caustic Scrubber		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2024	Next Calibration Due On	02/02/2025

➤ **General Stack Monitoring Observation**

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

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Hydrochloric Acid as HCl	mg/Nm ³	BDL (MDL:1.0)	20	Argentometric Method
2.	VOCS	PPM	2.5	**	GC Method

Note: BDL: Below Detection Limit.

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

2.0 STACK MONITORING REPORT



Period: August - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

MOEF,DC (GOI) Recognized Environmental
Laboratory under the EPA 1986 (31.03.2023 to 22.09.2024)

QC/NABET Accredited QA & QW
Consultant Organization

CPCL Recognized Environmental
Auditor (Schedule-II)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/08/AIL-1/S-006	Report Issue Date	05/09/2024
Service Request form No.	UERL/AIR/D/SRF/08/S-006	Service Request Date	21/08/2024
Sample ID No.	UERL/AIR/D/ID/S-24/08/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/08/006
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/08/2024	Date of Testing	22/08/2024
Stack Sampling Attached to	Boiler-2 (67 TPH)		
Air Pollution Control Device	ESP + Lime Dosing with Coal.		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	76
2.	Stack Dia	Mm	3600
3.	Stack Area	m ²	10.1736
4.	Ambient Temperature	°C	29
5.	Flue Gas Temperature	°C	132
6.	Exit Gas Velocity	m/s	1.9
7.	Exit Gas Flow	m ³ /h	50193.2

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	25	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	80	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	38	50	IS 11255(Part 7)
4.	VOCS	ppm	3.1	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/08/AIL-1/S-001	Report Issue Date	05/09/2024
Service Request form No.	UERL/AIR/D/SRF/08/S-001	Service Request Date	21/08/2024
Sample ID No.	UERL/AIR/D/ID/S-24/08/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/08/001
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/08/2024	Date of Testing	22/08/2024
Stack Sampling Attached to	Boiler-1 (14 TPH) & Thermic Fluid Heater (6 Lac Kcal/Hr) (Common Chimney)		
Air Pollution Control Device	ESP + Lime Dosing with Coal		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	42
2.	Stack Dia	mm	1200
3.	Stack Area	m ²	1.1314
4.	Ambient Temperature	°C	29
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	6.5
7.	Exit Gas Flow	m ³ /h	19432.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	18	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	34	50	IS 11255(Part 7)
4.	VOCS	ppm	2.8	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/08/AIL-1/S-002	Report Issue Date	05/09/2024
Service Request form No.	UERL/AIR/D/SRF/08/S-002	Service Request Date	21/08/2024
Sample ID No.	UERL/AIR/D/ID/S-24/08/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/08/002
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/08/2024	Date of Testing	22/08/2024
Stack Sampling Attached to	D.G. Set - 1 (1000 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	29
5.	Flue Gas Temperature	°C	116
6.	Exit Gas Velocity	m/s	10.6
7.	Exit Gas Flow	Nm ³ /h	1452.9

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	68	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	16	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	35	50	IS 11255(Part 7)
4.	VOCs	ppm	3.1	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT

STACK MONITORING

Test Report No.	UERL/24/08/AIL-1/S-003	Report Issue Date	05/09/2024
Service Request form No.	UERL/AIR/D/SRF/08/S-003	Service Request Date	21/08/2024
Sample ID No.	UERL/AIR/D/ID/S-24/08/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/08/003
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/08/2024	Date of Testing	22/08/2024
Stack Sampling Attached to	D.G. Set – 2 (1000 KVA)		
Fuel Used	Diesel		

➤ Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	29
5.	Flue Gas Temperature	°C	114
6.	Exit Gas Velocity	m/s	10.4
7.	Exit Gas Flow	Nm ³ /h	1432.9

➤ Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	72	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	34	50	IS 11255(Part 7)
4.	VOCs	ppm	2.3	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/08/AIL-1/S-004	Report Issue Date	05/09/2024
Service Request form No.	UERL/AIR/D/SRF/08/S-004	Service Request Date	21/08/2024
Sample ID No.	UERL/AIR/D/ID/S-24/08/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/08/004
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	21/08/2024	Date of Testing	22/08/2024
Stack Sampling Attached to	D.G. Set – 3 (1500 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	29
5.	Flue Gas Temperature	°C	119
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm ³ /h	1523.4

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	37	50	IS 11255(Part 7)
4.	VOCs	ppm	2.4	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

2.0 STACK MONITORING REPORT



Period: September - 2024

FOR

**M/s. Aarti Industries Limited. (Unit - 1)
(Neo SEZ Unit)**

At

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

Monitoring Organization



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

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-I)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/09/AIL-1/S-006	Report Issue Date	30/09/2024
Service Request form No.	UERL/AIR/D/SRF/09/S-006	Service Request Date	27/09/2024
Sample ID No.	UERL/AIR/D/ID/S-24/09/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/09/006
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	27/09/2024	Date of Testing	28/09/2024
Stack Sampling Attached to	Boiler-2 (67 TPH)		
Air Pollution Control Device	ESP + Lime Dosing with Coal.		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	76
2.	Stack Dia	Mm	3600
3.	Stack Area	m ²	10.1736
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	128
6.	Exit Gas Velocity	m/s	2.0
7.	Exit Gas Flow	m ³ /h	53264.9

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	23	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	77	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	35	50	IS 11255(Part 7)
4.	VOCs	ppm	2.8	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/09/AIL-1/S-001	Report Issue Date	30/09/2024
Service Request form No.	UERL/AIR/D/SRF/09/S-001	Service Request Date	27/09/2024
Sample ID No.	UERL/AIR/D/ID/S-24/09/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/09/001
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	27/09/2024	Date of Testing	28/09/2024
Stack Sampling Attached to	Boiler-1 (14 TPH) & Thermic Fluid Heater (6 Lac Kcal/Hr) (Common Chimney)		
Air Pollution Control Device	ESP + Lime Dosing with Coal		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	42
2.	Stack Dia	mm	1200
3.	Stack Area	m ²	1.1314
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	6.6
7.	Exit Gas Flow	m ³ /h	19794.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	16	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	32	50	IS 11255(Part 7)
4.	VOCs	ppm	3.1	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/09/AIL-1/S-002	Report Issue Date	30/09/2024
Service Request form No.	UERL/AIR/D/SRF/09/S-002	Service Request Date	27/09/2024
Sample ID No.	UERL/AIR/D/ID/S-24/09/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/09/002
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	27/09/2024	Date of Testing	28/09/2024
Stack Sampling Attached to	D.G. Set - 1 (1000 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	119
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm ³ /h	1466.3

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	71	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	37	50	IS 11255(Part 7)
4.	VOCS	ppm	2.6	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/09/AIL-1/S-003	Report Issue Date	30/09/2024
Service Request form No.	UERL/AIR/D/SRF/09/S-003	Service Request Date	27/09/2024
Sample ID No.	UERL/AIR/D/ID/S-24/09/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/09/003
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	27/09/2024	Date of Testing	28/09/2024
Stack Sampling Attached to	D.G. Set – 2 (1000 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	117
6.	Exit Gas Velocity	m/s	10.7
7.	Exit Gas Flow	Nm ³ /h	1460.2

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	67	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	16	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	35	50	IS 11255(Part 7)
4.	VOCs	ppm	2.5	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
STACK MONITORING

Test Report No.	UERL/24/09/AIL-1/S-004	Report Issue Date	30/09/2024
Service Request form No.	UERL/AIR/D/SRF/09/S-004	Service Request Date	27/09/2024
Sample ID No.	UERL/AIR/D/ID/S-24/09/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-24/09/004
Name & Address of Industries	M/s. AARTI INDUSTRIES LTD. (Unit – 1) Plot No. Z/103/H, Dahej SEZ Part-II, Tal. Vagara, Dist. Bharuch, Dahej-392 130, Gujarat.		
Date of Sampling	27/09/2024	Date of Testing	28/09/2024
Stack Sampling Attached to	D.G. Set – 3 (1500 KVA)		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm ³ /h	1495.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter	mg/Nm ³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	38	50	IS 11255(Part 7)
4.	VOCs	ppm	2.6	**	GC Method

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

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

10 March 2022

To,
Jt. Chief Controller of Explosive Office,
8th Floor, Yashkamal Building,
Opp. MS Univercity,
Sayajigunj.
Vadodara.

Sub :- Surrender of our petroleum storage license no P/WC/GJ/15/2570(P369856) valid up to 31/12/2028.

Respected Sir,

We are holding a petroleum storage license to store petroleum class A & B in storage tanks vide license no P/WC/GJ/15/2570(P369856) in the name of Aarti Industries Limited. at this stage we are not using/ store any petroleum product in our said premises, kindly cancel our said petroleum storage license for that formalities we are surrender our Original petroleum storage license along with its approved plan.

Kindly do the needful.

Thanking you,

Very truly yours

Encl.

Original petroleum storage license no P/WC/GJ/15/2570(P369856) in form XV along with its approved plan.

Date: 30/01/2024

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

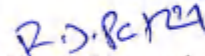
Subject: Submission of Third Party Safety Audit Report as per IS 14489:2018


Respected Sir,

Aarti Industries Limited (AIL) operates a fully integrated manufacturing set-up of specialty chemicals at Survey No. Z/103/H, Dahej SEZ II, Tal. Vagra, Dist. Bharuch 392130. We have completed the Third Party Safety Audit as per IS 14489:2018. We are submitting herewith the report for your ready reference and record please.

Kindly acknowledge the receipt of the same and oblige.

Thanking you in kind anticipation.


Yours Sincerely,
For, Aarti Industries Limited


Rakesh Patel
31/11/2024
કુનિયર ડાયરેક્ટર
કાર્બોનિક સલામતી અને સ્વાસ્થ્ય
ભરૂચ

Authorized Signatory
Rikesh Patel

Encl.: Third Party Safety Audit Report Nov. 2023



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, IIRd Phase, GIDC Vapi-396195, Dist- Valsad. INDIA. T : 0260-2400366.

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


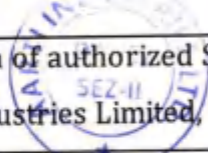
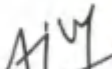

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.

<https://docs.google.com/document/d/1Cqv2SxndexjMrCHWQVjHjwYtUjYhY8PE1CqzJ1tA/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:



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/1c852567Df7vGopfrd8pKYDqStvg2K4p0tdk0jw460/edit> | info@aarti-industries.com



MEDICAL CHECK UP DETAILS

COMPANY NAME : Aarti Industries Ltd, Saffron Employee
EMPLOYEE NAME : Jatinkumar Thakorbhaj Prajapati .
BIRTH DATE : AGE : 29 Yrs
SEX : Male EMPLOYEE ID : 59000113
DEPARTMENT : Safety DESIGNATION :

PULSE : 82.00 BP : 116/70
PRESENT COMPLAINT : NAD PERSONAL HISTORY : NAD
OCCUPATIONAL HISTORY : NAD ALLERGIC TO : NAD
FAMILY HISTORY : NAD PAST HISTORY : NAD
ADDICTION : NAD
HEIGHT : 164.00 cm WEIGHT : 67.00 kg BODY MASS INDEX (BMI) : 24.91 Kg/m²

<p>History PERSONAL HISTORY: NAD chief complain: NAD Mother Father or Siblings: NAD Allergy Astham Surgery Infections trauma thyroid: NAD</p>	<p>Systemic Examination RS: NAD CVS: NAD CNS: NAD Abdomen: NAD Private Parts: NAD</p>	<p>CBC Hb: 13.9 /cmm TOTAL WBC COUNT: 7160 mg/dl PLATELET COUNT: 278000 PERIPHERAL SMEAR STUDY: RBC are normochromic normocytic.</p>
<p>LFT SGOT: 20 Nos SGPT: 22.2 mg/dl DIRECT BILIRUBIN: 0.3 mg/dl INDIRECT BILIRUBIN: 0.5 TOTAL BILIRUBIN: 0.8</p>	<p>RFT CREATININE: 0.99 mg/dl URIC ACID: 3.84 /cmm ALKALINE PHOSPHATASE: 58.2</p>	<p>RBS HbA1C: NAD RBS: 62.2</p>
<p>AUDIOMETRY AUDIOMETRY: B/L Normal Nos</p>	<p>ECG ECG: WITHIN NORMAL LIMIT mg/dl</p>	<p>EYE CHECK-UP EYE CHECK-UP / VISION: 6/6 6/6 N/6 N/6 ACCEPTABLE</p>

REMARKS :
ADVICE :
STATUS : **FIT TO WORK**





TEST REPORT

Name : Mr. Jatinkumar Thakorbbhai Prajapati .
Age/Sex : 29 Years / Male
Ref. By :
Client Name :
Employee ID : 59000113

Reg. No : 307100258
Reg. Date : 12-Jul-2023 09:15 PM
Collected On : 12-Jul-2023 09:17 PM
Report Date :
Department : Safety

Abnormal Result(s) Summary

Test Name	Result Value	Unit	Reference Range
CBC			
Hematocrit (Electrical Impedance)	41.70	%	47 - 52
RBC Count (Electrical Impedance)	4.41	million/cm ³	4.7 - 6.0
MCH (Calculated)	31.5	Pg	27 - 31
MPV	11.1	fL	7.4 - 10.4
RBS-1			
Random Blood Sugar (RBS)	62.20	mg/dL	70 - 140

Abnormal Result(s) Summary End

This is an Electronically Authenticated Report.





TEST REPORT

Name : Mr. Jatinkumar Thakorbbhai Prajapati
Age/Sex : 29 Years / Male
Ref. By :
Client Name :
Employee ID : 59000113

Reg. No : 307100258
Reg. Date : 12-Jul-2023 09:15 PM
Collected On : 12-Jul-2023 09:17 PM
Report Date : 15-Jul-2023 09:44 AM
Department : Safety

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

COMPLETE BLOOD COUNT (CBC)

Hemoglobin (SLS method)	13.9	g/dL	13.0 - 18.0
Hematocrit (Electrical Impedance)	L 41.70	%	47 - 52
RBC Count (Electrical Impedance)	L 4.41	million/cmm	4.7 - 6.0
MCV (Calculated)	94.6	fL	78 - 110
MCH (Calculated)	H 31.5	Pg	27 - 31
MCHC (Calculated)	33.3	%	30 - 35
RDW (Calculated)	12.4	%	11.5 - 14.0
WBC Count (Flowcytometry)	7160	/cmm	4000 - 10500
Platelet Count	278000	/cmm	150000 - 450000
MPV	H 11.1	fL	7.4 - 10.4

DIFFERENTIAL WBC COUNT	[%]	EXPECTED VALUES	[Abs]	EXPECTED VALUES
Neutrophils (%)	50	% 42.0 - 75.2	3580	/cmm
Lymphocytes (%)	44	% 20 - 45	3150	/cmm
Eosinophils (%)	1	% 1 - 4	72	/cmm
Monocytes (%)	5	% 2 - 8	358	/cmm
Basophils (%)	0	% 0 - 1	0	/cmm

PERIPHERAL SMEAR STUDY

RBC Morphology
WBC Morphology
Platelets
Parasites

RBC are normochromic normocytic.
Total WBC and differential count is within normal.
Platelets are adequate with normal morphology.
Malarial parasite is not detected.

This is an Electronically Authenticated Report.

Dr.K.R Prajapati
MD.Patho (G-28517)



**TEST REPORT**

Name : Mr. Jatinkumar Thakorbbhai Prajapati .
Age/Sex : 29 Years / Male
Ref. By :
Client Name :
Employee ID : 59000113

Reg. No : 307100258
Reg. Date : 12-Jul-2023 09:15 PM
Collected On : 12-Jul-2023 09:17 PM
Report Date : 15-Jul-2023 09:44 AM
Department : Safety

Parameter	Result	Unit	Biological Ref. Interval
Random Blood Sugar (RBS) <i>Glucose Oxidase-Peroxidase</i>	62.20	mg/dL	70 - 140
Creatinine <i>ENZYMATIC</i>	0.99	mg/dL	0.8 - 1.5
Uric Acid <i>Uricase Colorimetry</i>	3.84	mg/dL	3.5 - 8.5
UREA <i>Urease end point reaction</i>	23.60	mg/dL	16.0 - 43.0

LIVER FUNCTION TEST

SGOT <i>Multipoint-Rate/Uv With P-5-P</i>	20.00	U/L	17 - 59
SGPT <i>Multipoint-Rate/Uv With P-5-P</i>	22.20	U/L	0 - 50
Total Bilirubin <i>Colorimetric method</i>	0.8	mg/dL	0.1 - 1.4
Conjugated Bilirubin <i>Sulph acid dpl/calf-benz</i>	0.3	mg/dL	0.0 - 0.3
Unconjugated Bilirubin <i>Sulph acid dpl/calf-benz</i>	0.5	mg/dL	0.0 - 1.1
Alkaline Phosphatase <i>P-nitrophenyl phosphatase-AMP Buffer, Multiple-point rate</i>	58.2	U/L	38 - 126
GGT <i>G-glutamyl-p-nitroanilide</i>	15.90	U/L	15 - 73

This is an Electronically Authenticated Report.

Dr.K.R Prajapati
MD.Patho (G-28517)





TEST REPORT

Name : Mr. Jatinkumar Thakorbbhai Prajapati	Reg. No : 307100258
Age/Sex : 29 Years / Male	Reg. Date : 12-Jul-2023 09:15 PM
Ref. By :	Collected On : 12-Jul-2023 09:17 PM
Client Name :	Report Date : 18-Jul-2023 05:00 PM
Employee ID : 59000113	Department : Safety

Parameter	Result	Unit	Biological Ref. Interval
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URINE ROUTINE EXAMINATION

PHYSICAL EXAMINATION

Quantity	20 cc
Colour	Pale Yellow
Clarity	Clear

CHEMICAL EXAMINATION (BY REFLECTANCE PHOTOMETRIC)

pH	7.5	4.6 - 8.0
Sp. Gravity	1.025	1.001 - 1.035
Protein	Nil	
Glucose	Nil	
Ketone Bodies	Nil	
Urobilinogen	Nil	
Bilirubin	Nil	
Nitrite	Nil	
Leucocytes	Nil	
Blood	Nil	

MICROSCOPIC EXAMINATION (MANUAL BY MICROSCOPY)

Leucocytes (Pus Cells)	1 - 3/hpf	
Erythrocytes (Red Cells)	Nil	
Epithelial Cells	2 - 3/hpf	/hpf
Amorphous Material	Nil	
Casts	Nil	
Crystals	Nil	
Bacteria	Nil	
Fungus	Nil	
T. Vaginalis	Nil	
Spermatozoa	Nil	

----- End Of Report -----

This is an Electronically Authenticated Report.

Dr.K.R Prajapati
MD.Patho (G-28517)

Page 4 of 4





ATHHARV™ TOXSCREEN

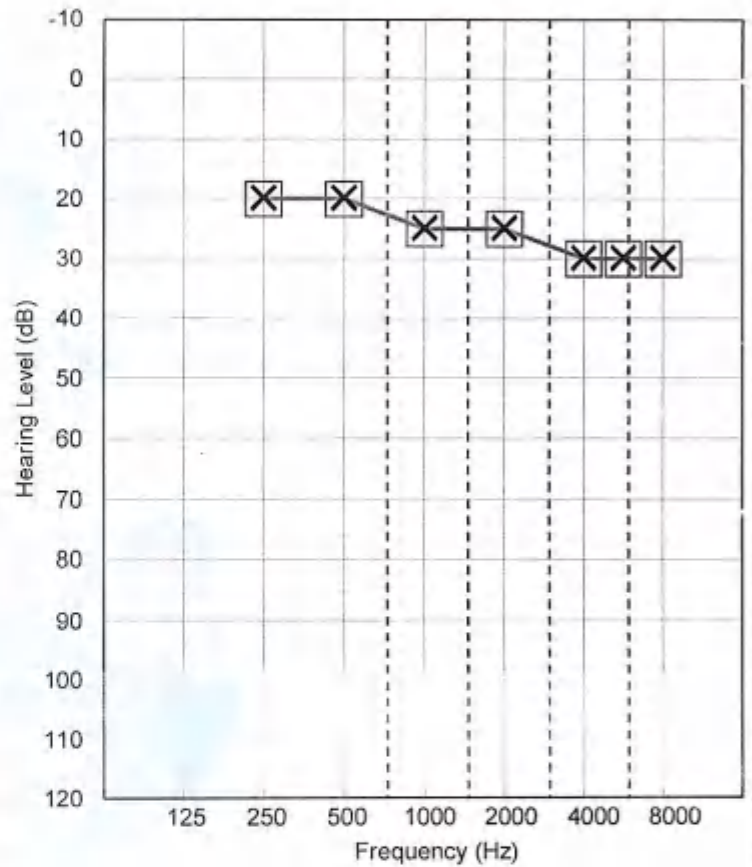
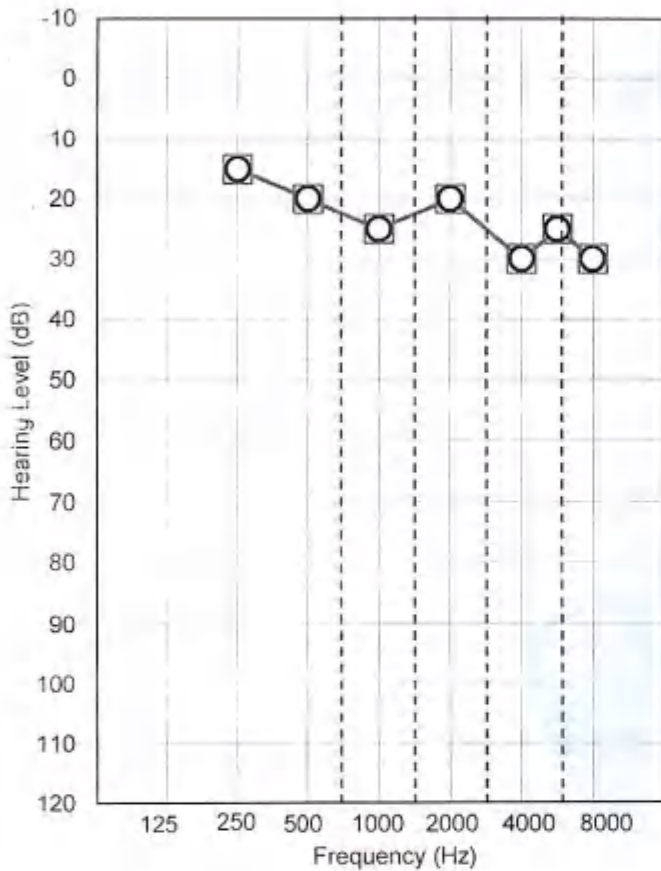
Industrial Health & Toxic Chemicals Testing

PURE TONE AUDIOGRAM

NAME : Jatinkumar Thakorbbhai Prajapati .
AGE : 29 Years
SEX : Male

DATE : 7/12/2023
SR.NO : 221

COMPANY NAME: AARTI INDUSTRIES LIMITED



Air conduction, masked if necessary
 Air conduction, not masked (shadow point)
 Bone conduction, not masked
 Bone conduction, masked
 Uncomfortable loudness level

Right

Left

○
●
△
[
L

×
✕
□
]]
J

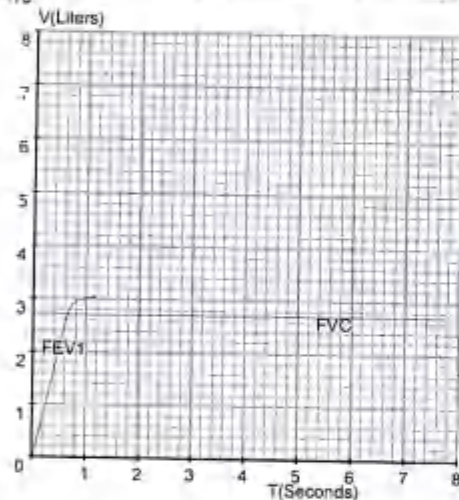
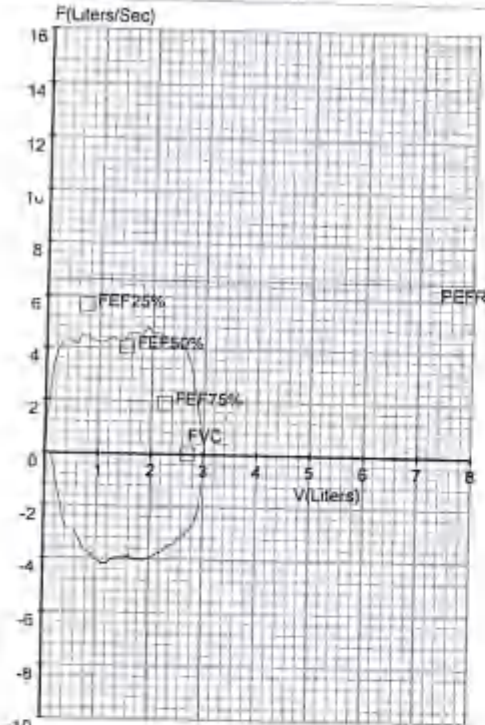
Remarks: B/L Normal

VA
Dr. CHETAN MORTHANA
 M.B.B.S. A.F.I.H.
 Industrial Health Consultant
 Reg. No. G-43633





221 -Jatinkumar Thakorbhaj Prajapati .
20Years/ Male/Ht164Cms/57Kgs/ Non-Smoker



Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L] 2.70	3.03	112	-	-	-
FEV1	[L] 2.19	3.02	138	-	-	-
FEV.5	[L] -	2.43	-	-	-	-
FEV3	[L] 2.62	-	-	-	-	-
FEV6	[L] -	-	-	-	-	-
PEFR	[L/s] 6.57	4.79	73	-	-	-
FEF25-75	[L/s] 2.78	4.45	160	-	-	-
FEF75-85	[L/s] -	4.17	-	-	-	-
FEF.2-1.2	[L/s] 5.00	4.12	82	-	-	-
FEF25%	[L/s] 5.69	4.85	85	-	-	-
FEF50%	[L/s] 4.03	5.29	131	-	-	-
FEF75%	[L/s] 1.91	4.72	247	-	-	-
FEV.5/FVC	[%] -	80.10	-	-	-	-
FEV1/FVC	[%] 81.05	99.48	123	-	-	-
FEV3/FVC	[%] 97.00	-	-	-	-	-
FEV6/FVC	[%] -	-	-	-	-	-
FEV1/FEV6	[%] -	-	-	-	-	-
FET	[S] -	1.11	-	-	-	-
ExpTime	[S] -	0.45	-	-	-	-
LungAge	[Y] 43.00	27.00	63	-	-	-
FIVC	[L] -	2.91	-	-	-	-
PIFR	[L/s] -	4.21	-	-	-	-
FIF25%	[L/s] -	5.08	-	-	-	-
FIF50%	[L/s] -	4.82	-	-	-	-
FIF75%	[L/s] -	5.23	-	-	-	-
FIV.5	[L] -	0.80	-	-	-	-
FIV1	[L] -	2.64	-	-	-	-
FIV3	[L] -	-	-	-	-	-
FIV.5/FIVC	[%] -	27.34	-	-	-	-
FIV1/FIVC	[%] -	90.66	-	-	-	-
FIV3/FIVC	[%] -	-	-	-	-	-

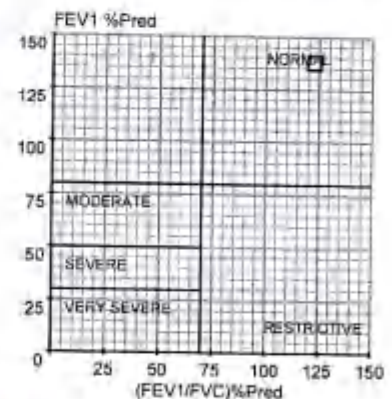
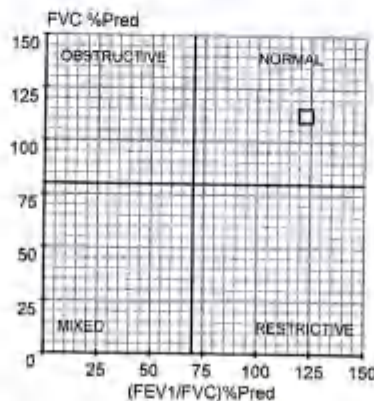
- Pre Medication Report :

Spirometry within Normal range as FVC% >= 80 And FEV1/FVC% > 70.

Pre COPD Severity Report:

COPD Severity within Normal range

- Doctor's Comments :



Dr. CHETAN MORTHANA
M.B.B.S. A.F.I.H.
Industrial Health Consultant
Reg. No. G-43633

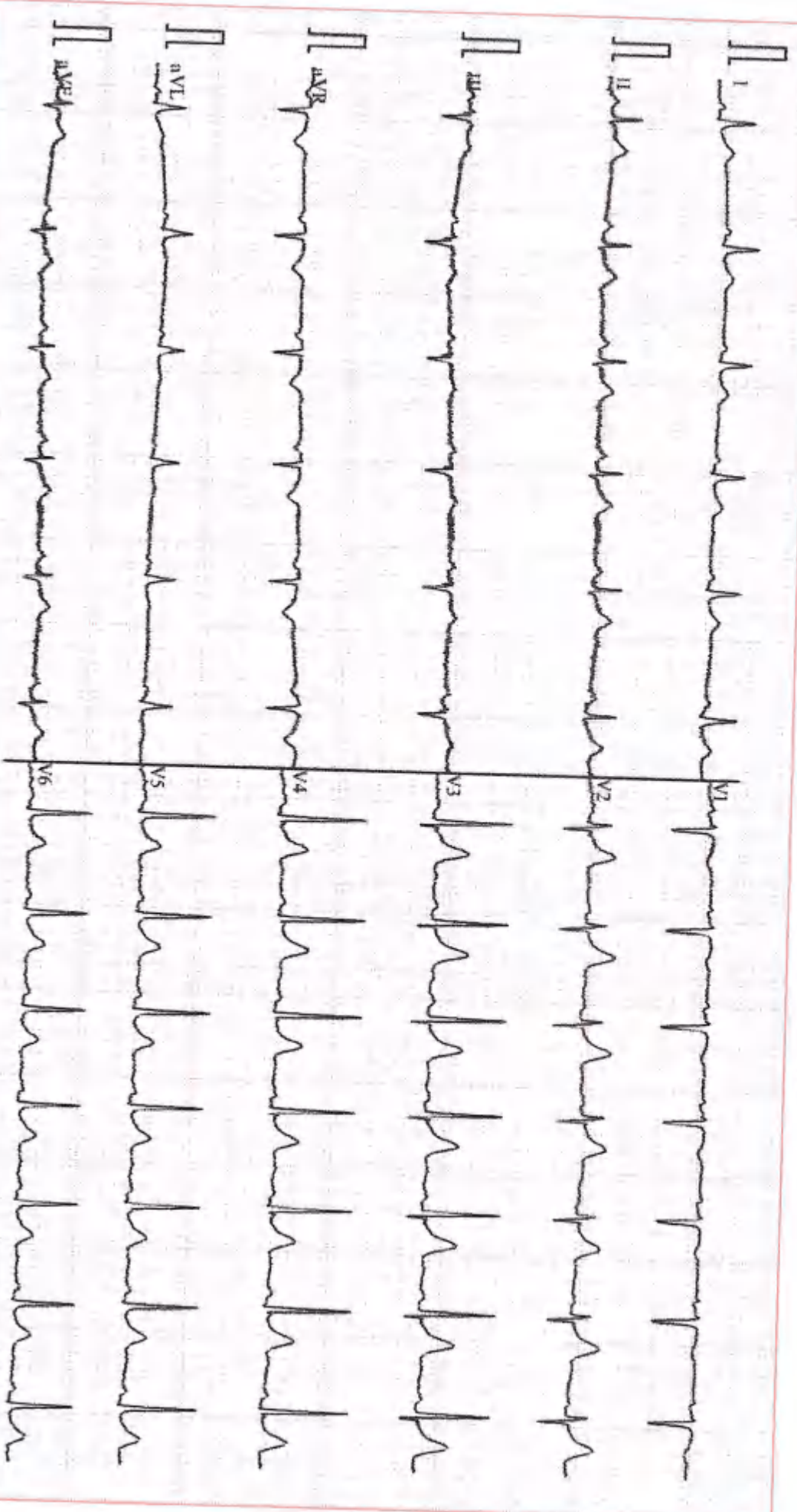


EKG REPORT

ID : 221 Years Male Reg. No. **Diagnosis Information:**
HR : 77 bpm Sinus arrhythmia
P : 98 ms Normal ECG
PR : 146 ms
QRS : 78 ms
QT/QTcBz : 344/390 ms
P/QRS/T : 43/-1/48 °
RV5/SVI : 1.263/0.725 mV

Report Confirmed by:

Dr. CHETAN MORTHANA
M.B.B.S. A.F.I.H.
Industrial Health Consultant
Reg. No. G-43633





AARTI INDUSTRIES LIMITED

Self Declaration of Medical History


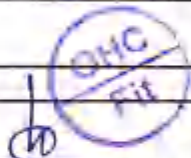
Document No. _____

Issue No. _____

Revision No. _____

Date : _____

Name :	<u>Chavinda</u>	Age / Sex :	<u>23 / male</u>
Agency Name :	<u>J.C. Insulation & Engineering Pvt Ltd</u>	Function :	<u>Insulation (fitter)</u>
Division Name :	<u>Saffron</u>	Emp. Code / Gate Pass No. :	<u>5-21083</u>

Do you have any of the following health problems ?		Yes	No	Remark
If yes, specify in remark column				
1	High/low blood pressure		<u>NO</u>	
2	Diabetes Mellitus (Blood Sugar Problem)		<u>NO</u>	
3	Heart related problems - Chest pain, Heart Attack, Congenital Conditions, Valvular heart disease etc...		<u>NO</u>	
4	Respiratory related problems - Asthma/Shortness of breath/Chronic cough etc...		<u>NO</u>	
5	Nervous system related problems - Convulsion/Fits/Paralysis/Polio etc...		<u>NO</u>	
6	Liver/Gall Bladder related problems like Jaundice/Hepatitis/Gall Stones etc...		<u>NO</u>	
7	Digestive system related problems - Peptic ulcer/bloody vomiting or stool / irregular bowel habits etc...		<u>NO</u>	
8	Kidney related problems - Renal stones/Blood in urine etc...		<u>NO</u>	
9	Blood related problems - Anemia/Low platelet count/Sickle cell anemia/Thalassemia etc...		<u>NO</u>	
10	Any endocrine related disorder like thyroid conditions etc...		<u>NO</u>	
11	Musculoskeletal disorders - Backache/Limb deformity/Disc Problem/ Joints problem etc...		<u>NO</u>	 <u>23/10/23</u>
12	Eye related problems - Refractive errors/Colour blindness/Squint/Cataract etc...		<u>NO</u>	
13	Do you have any contact lenses ?		<u>NO</u>	
14	Ear related problems - Ear discharge/Hearing loss/Tinnitus etc...		<u>NO</u>	
15	Skin related problems - Rashes/Psoriasis/Scars etc...		<u>NO</u>	
16	Are you suffering from any communicable diseases ? Tuberculosis/HIV/Hepatitis B/Leprosy etc...		<u>NO</u>	
17	Mental Health related problem		<u>NO</u>	
18	Any Allergy - Drug/Food/Other		<u>NO</u>	
19	Vertigo/Giddiness		<u>NO</u>	
20	Phobia (Fear of height or Closed places/Darkness)		<u>NO</u>	
21	Ankle swelling/Hernia/Hydrocele/Abdominal swelling etc...		<u>NO</u>	
22	Any history of hospitalisation in past		<u>NO</u>	
23	Any history of past surgeries ?		<u>NO</u>	
24	Consumption/Habit-Drug/Alcohol/Tobacco/Smoking ?		<u>NO</u>	
25	Any history of long term medications ? OR Currently taking any medication ?		<u>NO</u>	
26	Any history of occupational injuries/illness in past ?		<u>NO</u>	
27	Any past history of cyanosis ? (Bluish discolouration of tongue/lips/nails)		<u>NO</u>	
28	Family History of Diabetes/Hypertension/Heart Attack/Mental disorder/ Asthma/Cancer		<u>NO</u>	
29	For Female	Last Menstrual Period _____	<u>NO</u>	
		Any Gynaecological disorder ?		
30	Any present complaints ?	<u>NO</u>		

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 : 23/10/23Place : Dahej

Chavinda
Sign./Left thumb impression of candidate

Ketan V. Patel
(B.Sc.PG CMLT)
M.8347375600

Akshar Diagnostic Centre

Shop No. 60, 62, 63, 64, Anamika Complex,
Opp. Vadia Water Tank, IPCL Road, Dahej,
Ta. Vagra, Dist. Bharuch.
E-mail : akshardahej@gmail.com

Sandip N. Amodwala
(B.Sc. PG CMLT)
M. 99041 94903

NAME OF EMP:	GOVINDA	SL. NO.	61
COMPANY NAME:	AARTI INDUSTRIES LIMITED DAHEJ	DATE:	21.10.2023
AGENCY NAME:	J.C INSULATION ENGINEERING.	AGE:	23 YEARS
DESIGNATION:	FITTER	SEX:	MALE
TEMP:	97°	SPO2:	99 %

PHYSICAL EXAMINATION

HEIGHT	WEIGHT	B.P.	PULSE	BMI
167	50	120/80	82	18
CM	KG	MM OF Hg	min.	HEALTHY 18 TO 25
INFECTIONS	NAD	SKIN	NAD	
CONTAGIOUS	NAD	RESPIRATORY SYSTEM	NAD	
ENT	NAD	CARDIOVASCULAR SYSTEM	NAD	
FAMILY HISOTRY	NAD	GENETIAL SYSTEM	NAD	
PERSONAL HISTORY	NO SIGNIFICANT	SKELETON SYSTEM	NAD	
ADDICTION	NAD	C.N.S.	NAD	

VISUAL TEST

	RT	LT	COLOUR VISION:	ACCEPTABLE
NEAR VISION	N/6	N/6	WITHOUT GLASSES	
DISTANCE VISION	6/6	6/6		

REMARKS: ***
ADVICE: ***
FITNESS STATUS : PERSON IS FIT FOR WORK

Dr HEMANT RAUHAN
MBBS, CIH
Reg No G-40271

FORM No. 32
Health Register
(Prescribed under Rule 68-T and 102)
COMPANY NAME: J.C INSULATION ENGINEERING.

1. Sr.No.Reg.of Adult workers :

2. Name Of Worker : GOVINDA

3. Sex : MALE 4. AGE 23

5. Date Of Join

Department / Works	Name Of Hazardous Processes	Dangerous Process	Nature of Job of Occupation	Raw Materials Products or by products likely to be exposed to	Date of Posting	Date of leaving/ transfer to/or transfer	Reasons for discharge / leaving or transfer	Medical examination and the results thereof			If declared unfit for work					Signature with date of the Factory Medical Officer/the Certifying Surgeon
								Date	Signs and Symptoms observed during examination	Nature of tests & results there of	Result Fit/Unfit	Period of temporary withdrawal from that work	Reason for such withdrawal	Date of declaring him unfit for that work	Date of issuing fitness certificate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FITTER			FITTER					21.10.2023		PHYSICAL EXM, VISION, ROUTINE BLOOD & URINE, RBS	PERSON IS FIT FOR WORK				21.10.2023	21.10.2023

Sign Of Chief Medical Officer

Sign Of Certifying Surgeon

Dr HEMANT P CHAKRAN
MBBS, DPH
Reg No G-40271

FORM NO. 33

(Prescribed under Rule - 68-T and 102)

CERTIFICATE OF FITNESS OF EMPLOYMENT IN HAZARDOUS PROCESS AND OPERATION

(TO BE ISSUED BY THE FACTORY MEDICAL OFFICER)

Certificate of Medical Examination

61

1	EMPLOYEE CODE NO.	:	*****
2	NAME OF PERSON EXAMINED	:	GOVINDA
3	FATHER NAME	:	SAMRATHI
4	SEX	:	MALE
5	RESIDENCE	:	****
6	DATE OF BIRTH	:	10.06.2000
7	NAME & ADDRESS OF THE FACTORY	:	J.C INSULATION ENGINEERING.
8	THE WORKER IS PROPOSED	:	FITTER
	A. HAZARDOUS PROCESS	:	
	B. DANGEROUS OPERATION	:	

I Certify that I have Personally examined the above named person whose identification Marks are
CUT MARK ON LT LEG And who is desirous of being employed in above
mentioned process / operation and that his / her, are, as can be ascertained from my examination is
23 years.

In my Opinion he / she is fit for employment in the said manufacturing process / operation.

In my Opinion he / she is unfit for employment in the said manufacturing process / operation for the
reason _____ He / She is referred for further examination to the Certifying
Surgeon.

The Serial Number of the Previous Certificate is _____

गोविन्दा
Signature or left hand thumb
Impression of the person examined

23/10/23

Dr. HEMANT P. CHAUHAN
MBBS, CIH
Reg No. G-40271

Signature of factory medical officer
Stamp of factory Medical Officer
with Name of the Factory

Note :

- 1 If declared unfit, reference should be made immediately to the Certifying Surgeon.
- 2 Certifying Surgeon should communicate his findings to the occupier within 30 days of the receipt of this reference.

Medical Examination Certificate for employment at AIL

(To be issued by General Physician or Industrial Physician Only)

61

Name:	GOVINDA	
Age/Sex:	23	MALE

Present Medical Illness:	NAD
Past Medical History:	NAD
Dietary Habits:	NAD
Addiction History:	NAD
Family Medical History:	NAD
Occupational History:	NAD

height:	167	cm	Weight:	50	kgs	BMI:	17.93	Kg/m2
---------	-----	----	---------	----	-----	------	-------	-------

Temperature:	97°	F	Pulse Rate:	82	/min
Blood Pressure:	120/80	mm Hg	SpO2:	99	%

Trismus Test	Normal
--------------	--------

General Examination	NAD
Central Nervous System	NAD
Ear/Nose/Throat	NAD
Cardiovascular System	NAD
Respiratory System	NAD
Gastrointestinal System	NAD
Integumentary System	NAD
Musculoskeletal System	NAD


	Right Eye	Left Eye
Far Vision	6/6	6/6
Near Vision	N/6	N/6
Colour Vision	ACCEPTABLE	

The Following investigation reports are verified and attached (Kindly tick)

CBS+PS	√	BLD GROUP	√	RBS	√	LFT	X
RFT	X	G6PD		HBsAG	X	Ur R&M	√
PFT	X	PTA	X	ECG	X	CXR	X

I have personally examined Mr/Ms. GOVINDA and have verified his/her reports to be authentic.

Remarks (If any): NAD

Name of Physician	Dr. HEMANT P CHAUHAN (M.B.B.S., C.I.H.)
Stamp	 Dr HEMANT P CHAUHAN MBBS, CIH Reg No G-40271
Date	21.10.2023
Place	DAHEJ

Sandip Amodwala
 Bsc. PG MLT
 M. : 99041 94903



Ketan Patel
 Bsc. PG MLT
 M. : 83473 75600

Akshar
 PATHOLOGY LABORATORY

Shop no. 60,62,63,64, Anamika Complex,
 Opp. Water Tank Vadia, IPCL Road,
 Dahej, Ta. Vagra, Dist. Bharuch.
 Email : akshardahej@gmail.com

NAME:	GOVINDA	AGE:	23
REF BY:	DR. HEMANT P CHAUHAN (M.B.B.S., C.I.H.)	SEX:	MALE
LAB NO:	61	DATE:	21.10.2023

G6P-DH ENZYME TEST

TEST	RESULT	UNIT	NORMAL RANGE
Specimen	Whole EDTA Blood Collection		
Result	10.1	Ug/Hb	6.8 - 18.7 Ug/Hb
Intepretation	G-6PD ACTIVITY ABSENT		
Method	Quantitative (Kinetic)		

LEGEND :
 DRUGS COUSING HEMOLYSIS IN SUBJECT DEFFICIENT IN- G-6PD
 ANTIMALARIALS: PRIMAQUINE, CHLOROQUINE, QUININE.
 SULFONAMIDES: SULFANILAMIDES,SULFASOXAZOLE ETC.
 NITROFUNATION
 ANALAESICS: PHENACITIN, ACETANITID.
 MISCELLANEOUS: VITAMIN K(WATER SOLUBLE FORM), PROBENE METHYLENE
 BLU, CHLORAMPHENICOL, P-AMINOSALICYLICACID,NALIDIXIC ACID.

Amit

Dr. Amit Bhut
 M.D. Pathology
 Consultant Pathologist
 Reg. No. :G- 24305

An investigation have their limitations which are imposed by the limits of sensivity and specifaty of individual assay procedures as well as the specimen received by the laboratory, Isolated laboratory investigation never confirm the final diagnosis of the disease. They only help in arriving at a diagnosis in conjunction with clinical presentation and other related investigaiton.

TIME : 9:00 a.m. TO 7:00 p.m. (Sunday Closed)



भारत सरकार
GOVERNMENT OF INDIA



गोविंदा
Govinda
जन्म तिथि/DOB: 10/06/2000
पुरुष/ MALE



5774 1993 0168



भारतीय विशिष्ट पहचान प्राधिकरण
UNIQUE IDENTIFICATION AUTHORITY OF INDIA

आधार
पता:

आत्मज: सामरथी, परसादीपुर उर्फ मिश्रौली,
मिश्रौली, गोरखपुर,
उत्तर प्रदेश - 273412

Address :

S/O: Samrathi, Parsadipur urf mishrauli,
Mishrauli, Gorakhpur,
Uttar Pradesh - 273412



Generation Date: 22/01/2015

5774 1993 0168



1847



help@uidai.gov.in



www.uidai.gov.in

P.O. Box No.1947,
Bengaluru-560 001

AARTI INDUSTRIES LIMITED

Check Points for Hazardous and Other Wastes vehicle (Truck/Tanker)

Sr No	Requirements	Remarks	
A	TO BE FILLED BY SECURITY		
1	Vehicle In Date & Time		
2	Vehicle required for	Loading/Unloading	
3	Name of Material/Waste		<i>write exact name of w</i>
4	Type of vehicle	Truck/Dumper/Tanker/Tractor	
5	Is vehicle condition is road worthy	Yes/No	<i>if No then dont allow e</i>
6	Name of Disposal Facility		<i>write name of disposa</i>
7	Vehicle registration number		
8	Name of Transporter		
9	Name & Contact Number of Driver		
10	Driver's Licence and its validity		
11	Alcohol Test of Driver	OK/NOT OK	
12	Requirement of flagman/signal man (cleaner)		
13	Avoid BIDI, CIGRETE, STOVE LIGHTER, MATCH BOX, MOBILE etc to be submitted at security gate		
14	Spark arrester is provided and fitted	Yes/No	
15	PPEs provision (Helmet/ Safety goggles/ Safety shoes) To be provided from ALL Gate	Yes/No	
16	Vehicle PUC validity	OK/NOT OK	
17	Check Insurance of vehicle with validity	OK/NOT OK	
18	MSDS, in case of spent acid	OK/NOT OK	
19	Fire Extinguisher	OK/NOT OK	
20	First Aid Kit	OK/NOT OK	
21	Affixed of Hazchem information/GHS label pasted	Yes/No	
22	Is the Vehicle in given list	Yes/No	<i>if No then dont allow e</i>
23	GPS AIS-140 installed	Yes/No	<i>if No then dont allow e</i>
24	Any Leakage/Spillage form the vehicle	Yes/No	<i>if No then dont allow e</i>
25	Name of Contact person in AIL		
26	Vehicle body colour	Blue/Other	<i>All Hazardous waste v</i>
27	Display of "HAZARDOUS WASTE" on vehicle body	Yes/No	<i>'Hazardous Waste' to</i>
28	Hand Brake	Yes/No	
	Singature, Date & time of Inspecting person:		
B	TO BE FILLED BY USER DEPT.		
1	Activeness of GPS AIS-140 (To be confirmed by ALC)	Yes/No	
2	Labelling of containers/vehicle as per FORM-8	Yes/No	
3	Vehicle covered with tarpaulin	Yes/No	
4	Any Leakage/Spillage form the vehicle/dripping of liquid	Yes/No	
5	Sealing of valves & manhole cover (in case of tanker)	Yes/No	
	Singature, Date & time of Inspecting person:		
C	TO BE FILLED BY ETP/DISPATCH		
1	Signed & Stamped Manifest Copy - 3,4,5,6,7 (if applicable)	Yes/No	<i>if No then dont allow ti</i>
2	Signed & Stamped TREM Card	Yes/No	<i>if No then dont allow ti</i>
3	Invoice (Only in case of Spent Acid/Used Oil/Fly Ash/Empty Drums/Catalyst)	Yes/No	<i>if No then dont allow ti</i>
4	Gate Pass/Google form/RGP	Yes/No	<i>if No then dont allow ti</i>
5	Email communication to facility/end users	Yes/No	
6	Weighment Slip	Yes/No	<i>if No then dont allow ti</i>
	Singature, Date & time of Inspecting person:		
D	TO BE FILLED BY SECURITY		
1	Vehicle Out Date & Time		
2	Vehicle Out date		
3	Avaiability of documents mentioned in section C	Yes/No	<i>if No then dont allow ti</i>
4	Any Leakage/Spillage form the vehicle/dripping of liquid	Yes/No	
5	Name of accompanying security gurad for outstate along with doucements	Yes/No	
	Singature, Date & time of Inspecting person:		
E	FINAL APPROVAL		
1	Approved & Signed by: ETP/Environment Manager/Engineer/NDO		
2	Approved & Signed by: Division Head		



Directorate Industrial Safety & Health

Directorate Industrial Safety & Health

FORM NO. 4
Gujarat State
(Prescribed under Rule 5)

FORM NO. 4
License to work a factory
(Prescribed under Rule 5)

Registration No. 1218/2029/P016
PIN S06024007A

License No 24607
D.A 01-Jul-2016

License to work a factory

License is hereby granted to

Mr. Ajay Kumar Gupta

For the premises known as

AARTI INDUSTRIES LIMITED

situated at

PLOT NO.Z/103/H DAHEJ- SEZ-II DAHEJ

Ta.: Vagra Dist. Bharuch

for use as a factory within the limits specified in the plan approved by the

Director Industrial Safety & Health, Gujarat State

vide No. 649 Date 18-Apr-2016 subject to provisions of the

Factories Act, 1948 and the Rules made thereunder.

The license is issued for

- Maximum Number of workers to be employed on any day during the Year ****500****
- Maximum installed power in B.H.P. on any day during the year ****5,000****

The license is valid up to 31st December 2025.

Fees paid Rs. **50.00**

Fees due Rs. **50.00**

Excess Rs. **0.00**

Place **Bharuch**

Date : **29-Sep-2023**



Signature valid

Digitally signed by SANGEETIKA THAKAR
KANTILAL
Date: 2023.09.29 16:56:23 IST
Reason: Approval
Location: Bharuch

**Deputy Director
Industrial Safety and Health**

Bharuch

105507



Pacific School of Engineering

(Approved by AICTE New Delhi & Affiliated to GTU, Ahmedabad)

Ref. No.: PSE/ENGG/CERT/21/58

Date:18/11/2021

PERFORMANCE EVALUATION OF EXISTING EFFLUENT TREATMENT PLANT AND ELECTRO-STATIC PRECIPITATOR

The Environmental Audit Scheme was introduced by the Gujarat High Court vide its orders dated 20/12/96 & 13/3/97 and modified vide order dated 16/9/99, 22/04/2010 & 23/1/2015. We are recognized by GPCB, Gandhinagar as Schedule- I Environmental Auditor for compliance of the directions of the Hon'ble High Court in this matter have collected and analyzed samples to evaluate performance evolution of existing Electro-static precipitator (ESP) and Effluent Treatment Plant (ETP) installed at:

A. M/s. Aarti Industries Ltd.

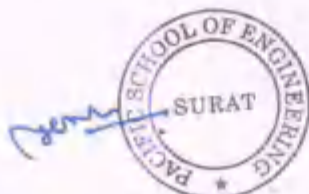
Plot No. Z/103/H, Dahej-SEZ-II,

Taluka: Vagra, Dist. Bharuch, Gujarat.

B. BACKGROUND OF ETP AND ESP:

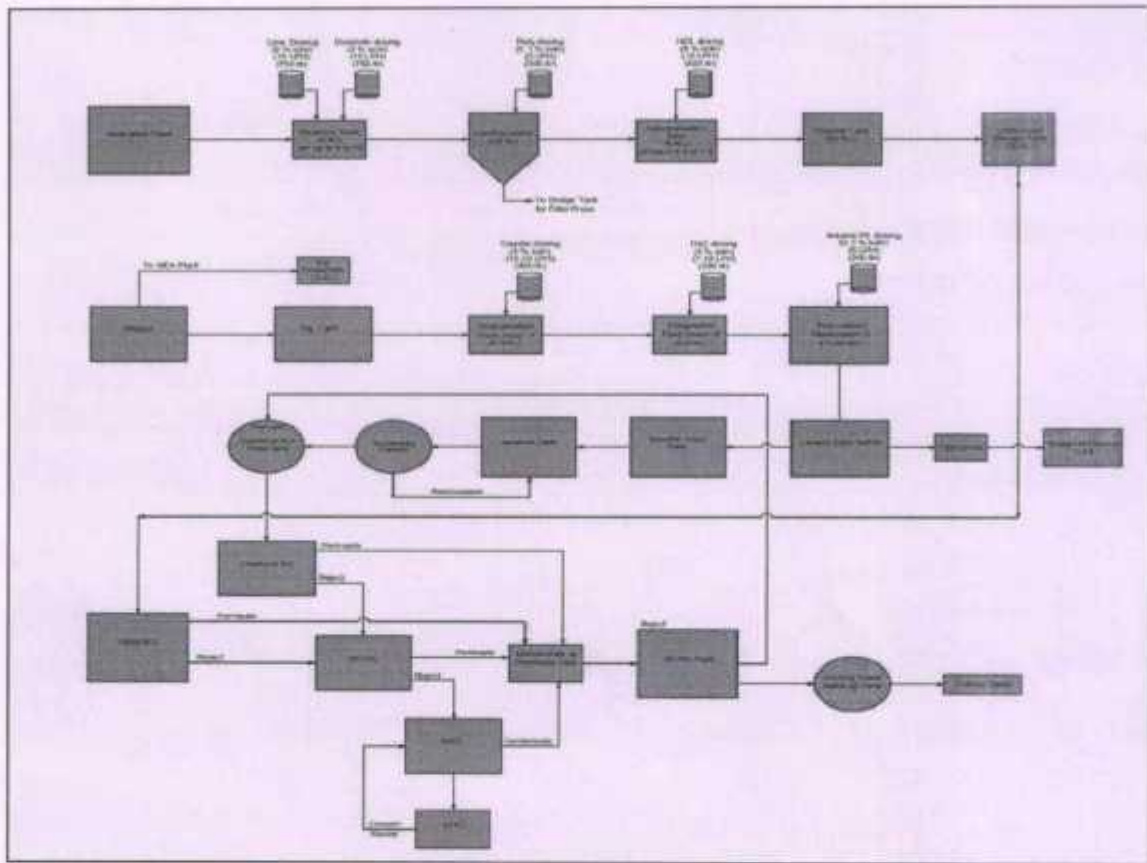
Industry has installed effluent treatment plant (60 m³/day) consisting of component for primary and secondary treatment. In order to provide polishing of effluent, industry has also installed four numbers of reverse osmosis (RO) plant of various capacities (60 KLD, 50 KLD, 150 KLD and 200 KLD) and multi effect evaporation (MEE) plant of capacity 40 KLD. Resulting permeates and MEE condensate being utilized for the purpose utilities such as cooling tower application. Thus, unit follows zero liquid discharge (ZLD).

Apart from this, industry has installed two numbers of electrostatic precipitators of capacity (14 TPH and 67 TPH) to take care of flue gas emission resulting from coal based boiler.



Plot No. 87,91,92,96, Opp. Sarthee Township,
Kadodara Palsana Road (NH-8), V. Sanki, Ta. Palsana, Surat-394305
Phone : +91 9904408835 / 38 | Email : suratpacific@gmail.com
Website : www.pacific-soe.ac.in

C. DETAIL OF EFFLUENT TREATMET SCHEME:



D. PERFORMANCE EVALUATION OF CONVENTIONAL ETP

Parameters	ETP Inlet	Primary Clarifier Outlet	Secondary Clarifier Outlet (Chemical RO Inlet)	% Gross Reduction
pH	7.9	7.4	5.7	-
Temperature	29	29	27	-
Colour	250	200	110	56.00
TDS (mg/L)	8012	8465	8216	-2.55
COD (mg/L)	13115	11961	674	94.86
Ammonical Nitrogen (mg/L)	110	70	27	75.45

Note: Treated effluent from secondary clarifier goes to RO for further treatment.

E. PERFORMANCE EVALUATION OF RO PLANT

Parameters	Secondary clarifier Outlet (Chemical RO Inlet)	Chemical RO Permeate	% Gross Reduction
pH	5.7	6.2	-
Temperature	27	27	-
Colour	110	55	78.00
TDS (mg/L)	8216	4257	46.87
COD (mg/L)	674	124	99.05
Ammonical Nitrogen (mg/L)	27	10.5	90.45

Note: Permeate from RO plant further treated in polishing RO plant and reject goes to MEE after treated in HP RO.

F. PERFORMANCE EVALUATION OF FINAL POLISHING RO PLANT

Parameters	RO Inlet	RO Permeate	RO Reject	% Gross Reduction (Permeate)	% Gross Change (Reject)
pH	6.2	6.1	6.8	-	-
Temperature	28	27	28	-	-
Colour	50	10	105	96.00	47.50
TDS (mg/L)	1421	87	10567	98.91	-24.83
COD (mg/L)	62	21	745	99.84	93.77
Ammonical Nitrogen (mg/L)	27	1.2	8.5	98.91	87.86

Note: Permeate being utilized at cooling tower and reject goes to chemical RO.

G. PERFORMANCE EVALUATION OF MEE

Parameters	MEE Inlet	MEE Condensate	% Gross Reduction
pH	6.2	8.42	-
Temperature	27	27	-
Colour	100	5	98.00
TDS (mg/L)	18741	4072	49.18
COD (mg/L)	1208	3022	76.96
Ammonical Nitrogen (mg/L)	8.3	1.4	98.73

Note: MEE condensate being further treated in final polishing RO and concentrate treated in agitator thin film dryer (ATFD) and finally goes to TSDf site.



H. EVALUATION OF ESP

Parameters	Across ESP - I (14 TPH)		
	ESP Inlet - I (14 TPH)	ESP Outlet - I (14 TPH)	Reduction in Primary (%)
Particulate Matter (PM)	9054	57	99.37
Sulphur Dioxide (as SO ₂)	69	66	4.35
Oxides of Nitrogen (as NO _x)	39	38	2.56

Parameters	Across ESP - II (67 TPH)		
	ESP Inlet - II (67 TPH)	ESP Outlet - II (67 TPH)	Reduction in Primary (%)
Particulate Matter (PM)	9025	53	99.41
Sulphur Dioxide (as SO ₂)	75	72	4.00
Oxides of Nitrogen (as NO _x)	44	42	4.55

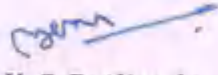
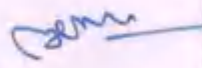
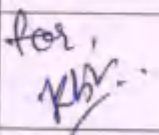
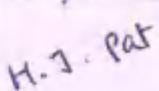
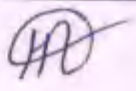
I. SUMMARY OF THE STUDY:

1. Significant reduction in colour, COD and Ammonical Nitrogen showed efficacious performance of primary and secondary treatment of effluent. Then after it goes to RO for further treatment.
2. Notable reduction in TDS, colour, COD and Ammonical Nitrogen in permeate showed efficacious performance of RO plant which is being further treated in polishing RO plant.
3. More than 95% reduction in TDS, colour, COD and Ammonical Nitrogen in permeate obtained from polishing RO plant being utilized at cooling tower.
4. Effective reduction in TDS, colour, COD and Ammonical Nitrogen showed efficacious performance of MEE.
5. More than 99% removal of particulate matter in an exit flue gas emission indicating efficient performance of two ESPs.

CONCLUSION:

Based on monitoring, sampling, analysis and evaluation it is concluded that conventional ETP, RO plants, MEE and ESP performance showed efficacious. This study is based on the monitoring and sampling conducted on 29th October, 2021.

Date: 18th November, 2021

 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	
	Ms. Nidhi Halbe M.E. (Env. Engg.), Environmental Engineer	



Standard EC Conditions for Pharmaceutical/Chemical Industry sector

Sr. No.	Condition	Compliance status
1	Statutory compliance	
1	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project	Not Applicable The project site is located at Dahej SEZ-II notified industrial estate.
2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable The project site is located at Dahej SEZ-II notified industrial estate.
3	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the presence of schedule-I species in the study area)	Not Applicable The project site is located at Dahej SEZ-II notified industrial estate.
4	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.	Complied The unit obtained the CCA amendment No. AWH- 112729 dated 15/06/2021 valid till 19/05/2028, under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee. Copy of the same is attached as Annexure A .
5	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Complied. The unit has obtained permission from the GPCB CCA amendment No. AWH-112729 dated 15/06/2021 valid till 19/05/2028, for collection, storage and disposal of hazardous waste. The solid waste is disposed to BEIL, Ankleshwar, process waste is disposed to RSPL for co processing & Aluminium Hydroxide (Process Waste) recycle to Pradip Overseas (Rule-9) through manifest system and GPS.
2	Air quality monitoring and preservation	

1	<p>The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories</p>	<p>Compiled Unit has installed OCEMS system as per CPCB guideline for water and Air applicable to dyes and dyes intermediates which is under operation The calibrate these system from time to time according to equipment supplier.</p>
2	<p>The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.</p>	<p>Compiled. The fugitive emissions in the work zone environment are monitored by in house facilities as well as done by a third party consultant who has a MoEF&CC/GPCB/NABL approved laboratory. Unistar NABL Certification No.: TC-7753 All the results are within the prescribed limit.</p>
3	<p>The project proponent shall install system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.</p>	<p>Compiled. The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by a MoEF approved laboratory Unistar Environment & Research Labs Pvt. Ltd.). The results of the analysis are provided in the table. Unistar NABL Certification No.: TC-7753</p>

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4	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through a stack of adequate height as per CPCB/SPCB guidelines.	Complied. Unit has a closed handling system for coal. Unit has a coal storage area. . Unit as provided silo for coal storage . We have provided a lime addition system along with coal for control SO2 emission.
5	Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Complied Unit has provided silos and storage areas for coal.
6	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed	Complied. Unit has follows the NES for ambient air. Please refer above point no 3 for ambient air monitoring . All the parameters are well within the limit.
7	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16" November, 2009 shall be complied with.	Complied. Unit has follows the NES for ambient air. Please refer above point no 3 for ambient air monitoring . All the parameters are well within the limit.
3 Water quality monitoring and preservation		
1	The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)	Complied . Unit has provided online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) which is under working condition.
2	As already committed by the project proponent, Zero Liquid Discharge shall	Complied.

3	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986,	Complied. The effluent coming from various plants are collected and treated in ETP consists of Primary, secondary and tertiary treatment facilities. And further treatment in
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	or as specified by the State Pollution Control] Board while granting Consent under the Air/Water Act, whichever is more stringent.	RO followed by MEE.												
4	Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.	The tabular data below indicate that unit has not exceeded the prescribed limit for water consumption i.e. 1186.5 KLD. Metering facilities have been provided along with flowmeter and the records are maintained for water consumption.												
5	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.	Unit has provided separate plant drain/pits and storm water drains hence Process effluent/any wastewater shall not be allowed to mix with storm water. Plant pits are connected to ETP. The storm water from the premises is collected and discharged through a separate conveyance system.												
6	The Company shall harvest rainwater from the rooftops of the buildings and storm water drains to recharge the groundwater and utilize the same for different industrial operations within the plant.	Complied. The harvest rainwater from the rooftops is provided and under operation.												
7	DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.	Complied Unit has been provided with suitable pollution control devices and the adequate stack height. The emission all parameters are well within the limit. <table border="1" data-bbox="656 1444 1279 1692"> <thead> <tr> <th>Sr. No.</th> <th>Stack attached to</th> <th>Stack height (m)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DG Set 1000 KVA</td> <td>30</td> </tr> <tr> <td>2</td> <td>DG Set 1000 KVA</td> <td>30</td> </tr> <tr> <td>3</td> <td>DG Set 1500 KVA</td> <td>30</td> </tr> </tbody> </table>	Sr. No.	Stack attached to	Stack height (m)	1	DG Set 1000 KVA	30	2	DG Set 1000 KVA	30	3	DG Set 1500 KVA	30
Sr. No.	Stack attached to	Stack height (m)												
1	DG Set 1000 KVA	30												
2	DG Set 1000 KVA	30												
3	DG Set 1500 KVA	30												
4 Noise monitoring and prevention														
1	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied Acoustic enclosure has been provided to DG set for controlling the noise pollution												

2	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	Complied Overall noise levels in and around the plant are within the limit.
3	The ambient noise levels should conform to the standards prescribed under EPA Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Complied. The noise levels in the plant conforms to the standards prescribed in the EP Act, 1986. Noise monitoring is carried out by a MoEF approved laboratory (Unistar Environment & Research Labs Pvt. Ltd.)

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5	Energy Conservation measures	
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	The energy sources for lighting purposes shall preferably be LED based	Complied Unit has provided the LED based lighting system at the maximum level.
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6	Waste management	
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1	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farms and the solvent transfer through pumps	Complied All the Hazardous chemicals are stored in Tanks, all the chemicals are transferred through Pumps, and the Plant is operated under the DCS.
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2	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF	Complied Process organic residue are sent to co processing through pre processor, ETP sludge is being send to TSDF, Aluminium Hydroxide is being send to end user under rule 9 approved party.
3	The company shall undertake waste minimization measures as below:-	
	a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Complied. Metering has been provided with active ingredients to minimize waste. Complied. The by-product generated by the unit (Al(OH) ₃) is sent to the authorized party of Rule 9 (Pradip Overseas) where it is recycled in their process.
	c. Use of automated filling to minimize spillage.	Complied. Closed system is used for filling of materials to minimize spillage. DCS systems are provided for the process.
	d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system.	Complied. "Close feed" system is used in batch reactors and continuous reactors. Complied. Venting equipment are connected to recovery system like scrubber and condensers.
	f. Use of high pressure hoses for equipment clearing to reduce wastewater Generation	Complied. High pressure hoses are used for equipment cleaning to reduce wastewater generation
7	Green Belt	
1	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Complied. Unit has developed a greenbelt within the premises as per the guidelines of CPCB. Photos for same are attached as below: 



8	Safety, Public hearing and Human health issues
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1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented	Complied Unit has prepared onsite offsite emergency plan based on the Hazard identification and Risk Assessment (HIRA) and same has been submitted to DISH.
2	The unit shall make the arrangement for protection of possible fire hazards during the manufacturing process in material handling. Fire fighting system shall be as per the norms	Complied Unit has provided the protection of possible fire hazards during the manufacturing process, Also provided the Fire fighting system like fire hydrant systems and fire extinguishers as the prevailing norms.
3	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Complied Sufficient Personal Protective Equipments are provided to all the workers like Safety goggles, safety shoes, helmet, dust mask, gas mask, hand gloves, etc. The unit is doing Regular training and supervision to ensure the proper usage of PPEs.

4	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on a regular basis.	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.
5	Training to all employees on handling of chemicals shall be imparted.	Complied Training to all employees on handling of chemicals has been imparted.
6	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied Construction workers are not allowed to stay in the site, however necessary provisions and infrastructure facilities like mobile toilets, safe drinking water and medical health care and creche have been provided.
7	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Occupational health surveillance of the workers is carried out on half yearly basis and records are maintained as per the factory act. Following check up has been carried out in periodical medical checkup. - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential

8	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places	<p>count, G6PD etc)</p> <ul style="list-style-type: none"> - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers <p>Complied</p> <p>Adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products.</p>
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9 Corporate Environment Responsibility		
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1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III] dated 1 May 2018, as applicable, regarding Corporate Environment Responsibility.	<p>Complied</p> <table border="1" data-bbox="646 1522 1572 2074"> <thead> <tr> <th data-bbox="646 1522 1112 1591">Name of Associated NGO</th> <th data-bbox="1112 1522 1572 1591">Nature of Work</th> </tr> </thead> <tbody> <tr> <td data-bbox="646 1591 1112 1732">Gram Vikas Trust - Bharuch</td> <td data-bbox="1112 1591 1572 1732">Vidhya Sathi Project (Special Training Program for Government Schools - 35 @ Dahej Cluster)</td> </tr> <tr> <td data-bbox="646 1732 1112 1831">Expended for Various Schools / Villages / Agencies</td> <td data-bbox="1112 1732 1572 1831">Education / Health / Environment</td> </tr> <tr> <td data-bbox="646 1831 1112 1936">Vikas Center for Development - Bharuch</td> <td data-bbox="1112 1831 1572 1936">Water Harvesting / Khet Talavadi @ Dahej Cluster</td> </tr> <tr> <td data-bbox="646 1936 1112 2005">Asmita Vikas Kendra - Tralsa, Bharuch</td> <td data-bbox="1112 1936 1572 2005">Mobile Van Dental Care (Dahej Cluster)</td> </tr> <tr> <td data-bbox="646 2005 1112 2074">Gram Vikas Trust - Bharuch</td> <td data-bbox="1112 2005 1572 2074">Health & Hygiene Awareness for</td> </tr> </tbody> </table>	Name of Associated NGO	Nature of Work	Gram Vikas Trust - Bharuch	Vidhya Sathi Project (Special Training Program for Government Schools - 35 @ Dahej Cluster)	Expended for Various Schools / Villages / Agencies	Education / Health / Environment	Vikas Center for Development - Bharuch	Water Harvesting / Khet Talavadi @ Dahej Cluster	Asmita Vikas Kendra - Tralsa, Bharuch	Mobile Van Dental Care (Dahej Cluster)	Gram Vikas Trust - Bharuch	Health & Hygiene Awareness for
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			Students & Community
		Direct	Covid-19 relief work

2	<p>The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus company shall have a defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of a six-monthly report.</p> <p>A separate Environmental Cell both at the project and company headquarter level, with qualified personnel shall be set up under the control of a senior Executive, who will directly to the head of the organization.</p>	<p>Complied . SHE Policy is available signed by the board of directors. Complied . An experienced environmental engineer holding a BE (Environmental Engineering) degree has been deputed to monitor the environmental management systems along with a central team of 4 Environmental Engineers and a Senior Manager. A centralised environment cell stationed at the Corporate office headed by a Vice President drives and monitors environment policy and performance.</p>	
3			
4	<p>Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in a separate account and not to be diverted for any other purpose. Year wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.</p>	<p>Complied.</p>	
5	<p>Self environmental audit shall be conducted annually. Every three</p>	<p>Complied Self environment audits are carried out Regularly.</p>	

	years, a third party environmental audit shall be carried out.	
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10	Miscellaneous	
1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Compiled. Due to oversight, the advertisement of EC was not published within the stipulated time period. We deeply regret not publishing the advertisement of EC within the stipulated time period.
2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis.	Compiled.
4	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Noted and compiled . Unit has installed ambient air monitoring stations as per CPCB guideline. Unit have ambient air monitoring for PM ₁₀ , PM _{2.5} , SO ₃ , NO _x . All the parameters are well within the limit. The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by a MoEF approved laboratory Unistar Environment & Research Labs Pvt. Ltd.).

<p>5 6 7</p>	<p>The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.</p> <p>The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company</p> <p>The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the Project.</p>	<p>Compiled.</p> <p>Compiled.</p> <p>Unit has submitted yearly the environmental statement for each financial year in Form-V. We have submitted environmental statement for period April 2022 to March 2023</p> <p>Complied.</p> <p>The date of start of the project is 01/01/2014 by concerned authority. LOA Copy Received from SEZ:- 14/03/2012.</p> <p>This project is self financed.</p> <p>We intimated the ministry through a half yearly compliance report.</p>
<p>8</p>	<p>The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.</p>	<p>Compiled .</p> <p>Unit has obtained EC to CTO # AWH-112729 dated 15/06/2021 under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 . All the CTO conditions are complied. Unit has obtained latest CCA amendment No. AWH- 112729 dated 15/06/2021 valid till 19/05/2028, under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.</p> <p>Unit have obtained PLI policy , Policy no 12030036213300000010 which is valid up to 08/01/2023</p>

<p>9</p>	<p>The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.</p>	<p>Complied</p>
<p>10</p>	<p>No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).</p>	<p>Compiled.</p> <p>We have taken all applicable prior permissions from MoEF&CC for expansion or modifications.</p>

11	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted for compliance Noted for compliance Noted and compliance
12	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	
13	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	
14	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted for compliance . We are submitting half yearly compliance reports on regular basis.
15	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Compiled . All the CTO conditions are complied. Unit has obtained the latest CCA amendment No. AWH- 112729 dated 15/06/2021 valid till 19/05/2028, under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee. Unit have obtained PLI policy , Policy no 12030036213300000011 which is valid up to 08/01/2024

16	Any appeal against this EC 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 for compliance
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**PUBLIC LIABILITY ACT POLICY
POLICY SCHEDULE**

Agent/Broker Name -PRUDENT INSURANCE BROKERS PVT. LTD.

Agent/Broker License Code - 291:Agent/Broker :Contact No - 2233066000 (mobile or landline)

Attaching to and forming part of Policy No. 0304011371 00 00
Name of Insured Owner: AARTI INDUSTRIES LIMITED
Business: CHEMICAL MANUFACTURING

Address: 71, UDYOG KSHETRA, 2ND FLR. MULUND-GOREGAON, LINK ROAD,
MULUND (W), MUMBAI
MUMBAI - 400080
MUMBAI
MAHARASHTRA
INDIA
27AABCA2787L1ZC(GSTIN Number)
Place of supply -MAHARASHTRA
State code -27

Territorial limits: Anywhere in India

Policy Period: From: 09/01/2024 12:00 AM/ PM
To Midnight of: 08/01/2025 12:00 AM/ PM

Indemnity limit:Rs 50,000,000.00 in respect of any one accident and not exceeding 3 times thereof in the aggregate during the policy period.

Service Tax Registration No:

Premium	₹ 10,135.94
UGST/SGST @9 %	₹ 912.00
CGST @9 %	₹ 912.00

**Contribution to the
Environment Relief Fund:₹ 10,135.94**

Date of Proposal and declaration:09/01/2024

In witness whereof the undersigned being duly authorized by the company and on behalf of the company has hereto set his hand at MUMBAI on 18/01/2024

The stamp duty of 0.5 paid in cash or demand draft or by pay order,vide Receipt/Challan no: LOA/CSD/01/2023/4269 dated the 25/10/2023

For Tata AIG General Insurance Company Limited


Authorized Signatory

Date :18/01/2024
Place :MUMBAI

Policy Servicing Office
Tata AIG General Insurance Company Limited
2ND FLOOR, CITI TOWER, 61, DR. S.S.RAO ROAD,, NEXT TO M.G.M HOSPITAL, PAREL(E), MUMBAI - 400012,MUMBAI,MAHARASHTRA,MUMBAI-400012
Tel No:22-22-62606600

Tata-AIG General Insurance Company Limited



Attached and Forming Part of the Policy Number:- 0304011371 00 00

Location	Location Address
Alchemie Organics	PLOT NO. 902 923 PHASE-III, G.I.D.C, VAPI, DIST VALSAD, VAPI 396195
AMINE	285,286/1 A 322 12 23 24 NA 40SHED AREA GIDC PHASE II DIST- VALSAD, VAPI 396195
APPLE ORGANICS	PLOT NO. 610 , 609 & C1B/70, REVENUE SURVEY NO 234/P ,100,SHED AREA, GIDC , VAPI, VALSAD 396195
Baroda	Block number 1, 3rd floor, R S No 3, Keval Corporate Park, Village channi, Baroda-390002 BLOCK NO 5 R S NO 380 VILLAGE CHANNI KEVAL CORPORATE PARK BUILDING T P SCHEME NO 48 FP NO 43/1 OPP CHHANI GEB NEAR PRAKRUTI RESTAURANT BARODA - 391740 PARKWAY REALTY LLP
DAHEJ- NEO	PLOT NO.Z/103/C DAHEJ SEZ II, TAL VAGRA, DIST. BHARUCH, GUJARAT-392130
DAHEJ-DIAMOND	PLOT NO Z-103/H SEZ-II, DAHEJ, TAL- VAGRA, DIST - BHARUCH 392130,
DAHEJ-SAFRON	PLOT NO - Z 111 B, DAHEJ, SEZ-II,TAL VAGRA, DIST. BHARUCH- 392130
NASCENT	PLOT NO. 24, PHASE-I, G.I.D.C., DIST. VALSAD, VAPI 396195
R & D MHAPE/Turbe	PLOT NO A-94/1 MIDC , TTC IND AREA,NAVI MUMBAI - DIST THANE
ACID	PLOT NO. 801-23, TO 802,803,804/1-2-3, 15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
Nutrient	PLOT NO. 802,803,804/12-3, 801/15 TO 19, 21 AND 22 PHASE- III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
R & D VAPI - Organic	PLOT NO. 802,803,804/12-3, 801/15 TO 19, 21 AND 22 PHASE- III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
SSP Fertiliser	PLOT NO. 801/15, TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
Vapi Unit - Organic	PLOT NO. 801-23, TO 802,803,804/1-2-3, 15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195

3M (New Location)	PLOT NO 778 , 758/1-2-3 & 756/4-5, 779 AJANTA PAPER & GENERAL PROC,GIDC JHAGADIA - DIST BHARUCH 393110 PLOT NO 41-1 & 41-2. JHAGADIA GIDC ESTATE ANKLESHWAR, DIST BHARUCH 393110
Jaghadia (Pearl,Ruby, Jade,Gold)	Plot No. 756 - 8/9, 758/1,2,3 Survey no. 345, 348, 356, 357, 358, 359, 360 & 364 Plot No. 756-2A/B, 3A/B, 4A/B, 5A/B,6,7,8,9 & Survey No. 122 Plot no. 778, P.B No. 24, GIDC, Jhagadia-393110, Dist- Bharuch, Gujarat Plot No 41/3/1-2-3, Jhagadia, Dist- Bharuch, Gujarat
TARAPUR UNIT -2	Plot No. L-5,L-4, L-8,L-9/1, MIDC, Tarapur, Boisar.
Kutch	SURVEY NO. 1430/1, NATIONAL HIGHWAY NO. 8-A, KUTCH BHACHAU, GUJARAT 370140
Mulund	71 Udyog Kshetra 2nd Floor Mulund Goregaon Link Road, Mulund West, Mumbai 400080
Vikhroli	Tower C, 4th Floor, 247 Embassy Park, LBS Marg, Vikhroli (W), Mumbai- 400083



For Tata AIG General Insurance Company Limited

Authorized Signatory

Ref: AIL/DHJ/NEO/ENV/2024-25/007

ID: 41201

Date: 27.05.2024

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)/173/2013 dated 05/07/2013
2) Environment Clearance amendment Letter No. SEIAA/GUJ/EC/5(f)/547/2019 dated 10/04/2019
3) Environment Clearance Extension and amendment Letter No. SEIAA/GUJ/EC/5(f)/1639/2020 dated 31/12/2020
4) Environment Clearance Expansion Letter No. SEIAA/GUJ/EC/5(f)/2630/2022 dated 07/11/2022
5) Environment Clearance Amendment Letter No. SEIAA/GUJ/EC/5(f)/255/2024 dated 29/02/2024

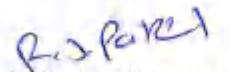
Respected Sir,

In reference to the above mentioned subject, Unit is enclosing herewith the compliance Report for the period of October-2023 to March-2024 in respect to the above mentioned references of Environment Clearance and its Amendments for Expansion of Synthetic organic chemicals industry (dyes & dye intermediates) manufacturing unit located at Plot No. Z/103/H, Dahej SEZ-II, Tal. Vagra, Dist. Bharuch, Gujarat.

Unit has obtained EC letter No. SEIAA/GUJ/EC/5(f)/173/2013 dated 05/07/2013, SEIAA/GUJ/EC/5(f)/547/2019 dated 10/04/2019, SEIAA/GUJ/EC/5(f)/1639/2020 dated 31/12/2020, SEIAA/GUJ/EC/5(f)/2630/2022 dated 07/11/2022, SEIAA/GUJ/EC/5(f)/255/2024 dated 29/02/2024 by M/s. Aarti Industries Limited formerly known as Anushakti Specialities Ltd. (Liability Partnership), Plot No. Z/103/H, 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

CCA Compliance of CCA NO: AWH-131146 date of Issue - 02/03/2024.

Sr. No	Conditions	Compliance																																				
1	Consent Order No: AWH-131146 date of Issue - 02/03/2024.	Noted & Complied																																				
2	<p>The consent under Water Act 1974, Air Act- 1981 and Authorization under Environment (Protection) Act, 1986 shall be valid up to 19/05/2028 to operate industrial plan for manufacture of the following products:-</p> <table border="1" data-bbox="272 709 911 1837"> <thead> <tr> <th data-bbox="272 709 396 808">Sr. No.</th> <th data-bbox="396 709 699 808">Name of Products</th> <th data-bbox="699 709 911 808">Quantity (MT/Month)</th> </tr> </thead> <tbody> <tr> <td data-bbox="272 808 396 907">A.</td> <td data-bbox="396 808 699 907">Ethylation and Propylation Product</td> <td data-bbox="699 808 911 1837" rowspan="8" style="text-align: center; vertical-align: middle;">1500 MT/Month</td> </tr> <tr> <td data-bbox="272 907 396 1052">1</td> <td data-bbox="396 907 699 1052">2-Methyl 6-Ethyl Aniline And/Or</td> </tr> <tr> <td data-bbox="272 1052 396 1150">2</td> <td data-bbox="396 1052 699 1150">2,6 Diethyl Aniline And/Or</td> </tr> <tr> <td data-bbox="272 1150 396 1295">3</td> <td data-bbox="396 1150 699 1295">3-Methyl 2-6 Diethyl Aniline And/Or</td> </tr> <tr> <td data-bbox="272 1295 396 1440">4</td> <td data-bbox="396 1295 699 1440">4-Methyl 2-6 Diethyl Aniline And/Or</td> </tr> <tr> <td data-bbox="272 1440 396 1600">5</td> <td data-bbox="396 1440 699 1600">Isopropyl Aniline and 2,6 Diisopropyl Aniline And/Or</td> </tr> <tr> <td data-bbox="272 1600 396 1701">6</td> <td data-bbox="396 1600 699 1701">2-Methyl-6-Isopropyl Aniline And/Or</td> </tr> <tr> <td data-bbox="272 1701 396 1837">7</td> <td data-bbox="396 1701 699 1837">4-Methyl 2-6 Diisopropyl Aniline And/Or</td> </tr> </tbody> </table>	Sr. No.	Name of Products	Quantity (MT/Month)	A.	Ethylation and Propylation Product	1500 MT/Month	1	2-Methyl 6-Ethyl Aniline And/Or	2	2,6 Diethyl Aniline And/Or	3	3-Methyl 2-6 Diethyl Aniline And/Or	4	4-Methyl 2-6 Diethyl Aniline And/Or	5	Isopropyl Aniline and 2,6 Diisopropyl Aniline And/Or	6	2-Methyl-6-Isopropyl Aniline And/Or	7	4-Methyl 2-6 Diisopropyl Aniline And/Or	<p>Compiled.</p> <p>The unit has manufactured the products within consented quantity. The Production of the last three months July-2024 to September-2024 is below.</p> <table border="1" data-bbox="930 745 1588 1081"> <thead> <tr> <th data-bbox="930 745 1190 827">Month</th> <th data-bbox="1190 745 1312 827">July 24</th> <th data-bbox="1312 745 1442 827">August 24</th> <th data-bbox="1442 745 1588 827">September 24</th> </tr> </thead> <tbody> <tr> <td colspan="4" data-bbox="930 827 1588 877" style="text-align: center;">Ethylation and Propylation Product</td> </tr> <tr> <td colspan="4" data-bbox="930 877 1588 928" style="text-align: center;">Production in (MT/Month)</td> </tr> <tr> <td data-bbox="930 928 1190 1081" style="text-align: center;">1. 2-Methyl 6-Ethyl Aniline</td> <td data-bbox="1190 928 1312 1081" style="text-align: center;">529</td> <td data-bbox="1312 928 1442 1081" style="text-align: center;">1350</td> <td data-bbox="1442 928 1588 1081" style="text-align: center;">1370</td> </tr> </tbody> </table> <p>* Only one product 2-Methyl 6-Ethyl Aniline Production ran during the period of July-2024 to September-2024.</p>	Month	July 24	August 24	September 24	Ethylation and Propylation Product				Production in (MT/Month)				1. 2-Methyl 6-Ethyl Aniline	529	1350	1370
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8	2-Ethyl Aniline (OEA)				
Specific Conditions:					
a)	Unit shall maintain ZLD.	<p>Complied</p> <p>Unit is maintaining Zero Liquid Discharge (ZLD) status and will also maintain the same.</p>			
b)	Unit shall comply with all conditions of EC dated 07/11/2022.	<p>Complied.</p> <p>The unit is complying with the conditions of Environment Clearance granted by MoEF & CC vide order no. as below.</p> <p>1) Environment Clearance letter no SEIAA/GUJ/EC/5(f)/173/2013 dated 05/07/2013.</p> <p>2) Environment Clearance amendment Letter No. SEIAA/GUJ/EC/5(f)/547/2019 dated 10/04/2019.</p> <p>3)Environment Clearance Extension and amendment Letter No. SEIAA/GUJ/EC/5(f) /1639/2020 dated 31/12/2020.</p> <p>4) Environment Clearance Expansion Letter No. SEIAA/GUJ/EC/5(f)/2630/2022 dated 07/11/2022.</p> <p>5) Environment Clearance Amendment Letter No. SEIAA/GUJ/EC/5(f)/255/2024 dated 29/02/2024.</p> <p>The unit has submitted a half yearly compliance report for the period of Oct'23 to Mar'24 on 27.05.2024 as reference no. AIL/DHJ/NEO/ENV/2024-25/007.</p> <p>An Acknowledgement copy of the same is attached as Annexure-1.</p>			

c)	Unit shall send hazardous waste to actual end users who are having Rule-9 permission under HOWR-2016 and valid CCA after making MoU.	<p>Complied</p> <p>Unit has sold out their hazardous waste (for utilization of Aluminium Hydroxide solution as neutralizing and flocculant in ETP) to authorized end-users who are having authorization with valid CCA and rule 9 permission or applied to receive this waste after making MoU.</p> <p>CCA Authorization, Rule 9 permission and MoU attached as Annexure-2, Annexure-3 and Annexure-4 respectively.</p>											
d)	All efforts shall be made to send hazardous waste to cement industry for Co- processing first & thereafter it shall be disposed through other option.	<p>Complied</p> <p>Unit has made an effort to send hazardous waste to cement industry at Ambuja Cement (Kodinar) for Co- processing first.</p> <p>MoU attached as Annexure-5.</p> <table border="1" data-bbox="933 1220 1593 1444"> <thead> <tr> <th rowspan="2">Facility</th> <th colspan="3">Quantity (MT)</th> </tr> <tr> <th>July 24</th> <th>August 24</th> <th>September 24</th> </tr> </thead> <tbody> <tr> <td>Ambuja Cement (Kodinar)</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Facility	Quantity (MT)			July 24	August 24	September 24	Ambuja Cement (Kodinar)	0	0	0
Facility	Quantity (MT)												
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e)	Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.	<p>Not Applicable.</p> <p>Unit is not involved in utilization of solvent and not generating spent solvent.</p>											
3	CONDITIONS UNDER WATER ACT:												
3.1	The condition No. 3.2 for Water Consumption under Water Act of the CCA order No:	Complied											

AWH-112729, issued vide letter no. GPCB/BRCH-B/CCA-178(3)/ID-41201/592461, dated 15/06/2021 and further amended dated 04/07/2022 is amended and shall now be read as under

Water	Water consumption (KLD)		
	Existing	Proposed	Total
Domestic	7(Fresh)	53 (Fresh)	60 (Fresh)
Gardening	18 (Fresh)	39 (-18 Fresh+ 57 Recycle)	57 (Recycle)
Industrial	1225 (1060.84 Fresh+ 164.16 Recycle)	49 (54.16 Fresh+ -5.16 Recycle)	1274 (1115 Fresh+ 159 Recycle)
Total	1250 (1085.84 Fresh+ 164.16 Recycle)	141 (89.16 Fresh+ 51.84 Recycle)	1391 (1175 Fresh+ 216 Recycle)

As per below table unit is complying with The condition.

Water	Water consumption (KLD)		
	July 24	August 24	September 24
Domestic	36 F	34 F	30 F
Gardening	24 R	24 R	28 R
Industrial	650 (559F+91R)	720 (618F+102R)	809 (700F+ 109R)
Total	710 (595F+115R)	778 (652F+126R)	868 (730F+137R)

Water bill of the same is attached as [Annexure-6](#)

3.2 The condition No. 3.3 for Wastewater Generation under Water Act of the CCA order No: AWH-112729, issued vide letter no. GPCB/BRCH-B/CCA-178(3)/ID-41201/592461, dated 15/06/2021 and further amended dated 04/07/2022 is amended and shall now be read as under.

Type	Wastewater Generation (KLD)		
	Existing	Proposed	Total
Domestic	7	50	57

Complied

As per below table unit is complying with the condition.

Unit is also maintaining the zero liquid discharge.

Type	Wastewater Generation (KLD)		
	July 24	August 24	September 24
Domestic	28	26	31
Industrial	130	128	144

Industrial	158.4	4.6	161
Total	165.4	56.6	218

Total	158	154	175
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3.3

Mode of disposal of wastewater:

a) Process Effluent Stream:

High COD/TDS effluent from washing (10 KLD) & Process (4 KLD) shall be sent to stripper solvent then equalization tank and then sent to ETP having Primary, Secondary, Tertiary treatment facility.

b) Utility Effluent Stream:

Low conc. stream of Cooling tower blowdown (35 KLD), boiler blow down (62 KLD) and DM water reject (50 KLD) and 14 KLD effluent after having treatment in ETP shall be sent to utility RO. 118 KLD RO permeate shall be reused in Cooling Tower and 43 KLD RO reject shall be sent to MEE followed by ATFD. 41 KLD MEE condensate shall be reused in cooling tower. Hence, unit shall maintain ZLD.

C) Domestic sewage:

Generated 57 KLD domestic sewage shall be treated in STP and treated sewage shall be reused for gardening/plantation within premises after confirming norms prescribed as below.

Sr. No.	PARAMETERS	PERMISSIBLE LIMIT
1	pH	6.5 to 9
2	Total Suspended Solids	<100 mg/l
3	Total Coliform (MPN/100ml)	<1000 MPN/100ml
4	BOD	30 mg/l

Complied

a) For Process Effluent Stream:

Unit has Installed 60 KLD ETP consisting of

Primary Treatment: Stripper, 3 layer separation tank, Equalization tank, Flash Mixer (Coagulation), Flocculation Tank, Lamella Settler

Secondary Treatment: Aeration Feed Tank, Aeration Tank, Secondary Clarifier

Tertiary Treatment: RO, MEE & ATFD. for Industrial Process Effluent.

RO (After ETP) Capacity: 200 KLD
 Chemical RO: 60 KLD
 MEE Capacity: 60 KLD

b) Utility Effluent Stream:

For Utility (CoolingTower/Boiler Blowdown & DM Reject) effluent unit has installed multiple RO plants.

SPRO: 200 KLD
 HP RO: 50 KLD

All Permeate of RO and MEE condensate will be recycled back into the cooling tower and the unit has maintained the Zero liquid Discharge.

C) Domestic sewage:

For Domestic sewage Unit has Installed adequate 60 KLD STP and treated sewage shall be reused for gardening/plantation within premises after analyzing the parameter.

ZLD Flow diagram attach in [Annexure : 7](#)

ZLD Equipment RO, MEE & ATFD		
SR. No	Description	Existing Installed Capacity (KLD)
1	Effluent Treatment Plant	60
2	RO- Process (Chemical)	60
3	Utility RO-1	150
4	Utility RO-2	550
5	MEE & ATFD	60
6	HP RO	50
7	SP RO	200
9	STP	60
10	Stripper	60

Report attach in [Annexure : 8](#)

Sr. No.	PARAMETERS	PERMISSIBLE LIMIT	July 24	August 24	September 24
1	pH	6.5 to 9	7.94	8.1	7.85
2	Total Suspended Solids	<100 mg/l	8	2.5	5
3	Total Coliform (MPN/100ml)	<1000 MPN/100 ml	<2	<2	<2
4	BOD	30 mg/l	4.5	4.6	6

		Boiler-1 (14 TPH) & Thermic Fluid (Common Chimney)	PM	150 mg/Nm ³	20	18	16
			SOx	100 ppm	23	21	19
			NOx	50 ppm	36	34	32
			VOC	-	3.3	2.8	3.1
		Boiler-2 67 TPH.	PM	150 mg/Nm ³	28	25	23
			SOx	100 ppm	80	80	77
			NOx	50 ppm	38	38	35
			VOC	-	3.5	3.1	2.8
		DG Sets - 01	PM	150 mg/Nm ³	72	68	71
			SOx	100 ppm	18	16	18
			NOx	50 ppm	37	35	37
			VOC	-	3.2	3.1	2.6
		DG Sets - 02	PM	150 mg/Nm ³	75	72	67
			SOx	100 ppm	20	19	16
			NOx	50 ppm	36	34	35
			VOC	-	2.5	2.3	2.5
		DG Sets - 03	PM	150 mg/Nm ³	74	78	75
			SOx	100 ppm	21	22	20
			NOx	50 ppm	34	37	38
			VOC	-	2.6	2.4	2.6
5	GENERAL CONDITIONS: -						

5.1	Unit shall comply with provisions of Hazardous & Other Wastes (Management & Transboundary Movement) Rules-2016.	<p>Noted & Complied.</p> <p>The unit has to comply with provisions of Hazardous & Other Wastes (Management & Transboundary Movement) Rules-2016.</p> <p>The unit has submitted Annual Hazard waste return (Form-4) as letter no. AIL/DHJ/NEO/ENV/2024-25/008. Same as attached as Annexure-10.</p>																																																																
5.2	<p>The condition No. 6.2 under authorization for Hazardous & other wastes of the CCA order No: AWH-112729, issued vide letter no. GPCB/BRCH-B/CCA-178(3)/ID-41201/592461, dated 15/06/2021 and further amended dated 04/07/2022 is amended and shall now be read as under.</p> <table border="1" data-bbox="272 1167 873 1881"> <thead> <tr> <th>Sr. No.</th> <th>Name of Haz. Waste</th> <th>Category Number</th> <th>Quantity in MT/Year</th> <th>Facility</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ETP sludge + MEE Salt</td> <td>35.3</td> <td>482</td> <td>Collection, storage, transportation, disposal at common TSDF site</td> </tr> <tr> <td>2</td> <td>Used oil/spent oil</td> <td>5.1</td> <td>9</td> <td>Collection, storage, transportation, disposal by selling out to registered recyclers/reprocessors</td> </tr> <tr> <td>3</td> <td>Discarded Container</td> <td>33.1</td> <td>6.2</td> <td>Collection, Storage, Transportation, Decontamination & Sale to</td> </tr> </tbody> </table>	Sr. No.	Name of Haz. Waste	Category Number	Quantity in MT/Year	Facility	1	ETP sludge + MEE Salt	35.3	482	Collection, storage, transportation, disposal at common TSDF site	2	Used oil/spent oil	5.1	9	Collection, storage, transportation, disposal by selling out to registered recyclers/reprocessors	3	Discarded Container	33.1	6.2	Collection, Storage, Transportation, Decontamination & Sale to	<p>Complied</p> <p>The unit has obtained permission from the GPCB CCA No. AWH-112729, Issued on 15/06/2021 valid till 19/05/2028 for collection, storage and disposal of hazardous waste.</p> <p>Unit has valid membership of the TSDF(BEIL), SEPPL and RSPL. Copies of membership certificates are attached as Annexure-11</p> <p>Aluminum hydroxide is being sent to Pradip Overseas (Rule-9) for utilization as raw material in their process through manifest system and AIS-140 based GPS tracking. Also we have intimated GPCB for the same. Sample copy attached as Annexure-12. Rule 9 permission and MoU attached as Annexure-13 & Annexure14 respectively.</p> <table border="1" data-bbox="930 1413 1593 1871"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Name of Haz. Waste</th> <th rowspan="2">Category</th> <th rowspan="2">Limit (MT/Year)</th> <th colspan="4">*All Quantity in MT.</th> </tr> <tr> <th>July 24</th> <th>August 24</th> <th>September 24</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ETP sludge + MEE Salt</td> <td>35.3</td> <td>482</td> <td>6.96</td> <td>95.03</td> <td>39.81</td> <td>141.8</td> </tr> <tr> <td>2</td> <td>Used oil/spent oil</td> <td>5.1</td> <td>9</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>3</td> <td>Discarded Container</td> <td>33.1</td> <td>6.2</td> <td>1.09</td> <td>0</td> <td>0.62</td> <td>1.71</td> </tr> <tr> <td>4</td> <td>Process waste(Resid</td> <td>26.1</td> <td>600</td> <td>21.57</td> <td>0</td> <td>12.3</td> <td>33.87</td> </tr> </tbody> </table>	Sr. No.	Name of Haz. Waste	Category	Limit (MT/Year)	*All Quantity in MT.				July 24	August 24	September 24	Total	1	ETP sludge + MEE Salt	35.3	482	6.96	95.03	39.81	141.8	2	Used oil/spent oil	5.1	9	0	0	0	0	3	Discarded Container	33.1	6.2	1.09	0	0.62	1.71	4	Process waste(Resid	26.1	600	21.57	0	12.3	33.87
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				GPCB approved decontamination facility/Co processing.
4	Process waste(Residue)	26.1	600	Collection, storage, transportation, disposal at common incinerator facility/ Co-processing
5	Spent Catalyst	26.5	0.12	Collection, storage, transportation, disposal by selling out to registered recyclers
6	Aluminium Hydroxide Al(OH)3	26.1	12168	Collection, storage, transportation, disposal to authorized End User industry having permission under rule-9 of Hazardous & other wastes rule- 2016 /common incinerator facility/ Co-processing
7	Non Recycle Plastic Waste, PPE's & insulation waste /Cotton waste	33.1	20	Collection, storage, transportation, disposal by selling to authorized reproprocessors/recyclers or TSDF/co-processing
8	Spent Carbon	26.1	20	Collection, storage, transportation, disposal at common incinerator facility/ Co-processing

	ue)						
5	Spent Catalyst	26.5	0.12	0	0	0	0
6	Aluminium Hydroxide Al(OH)3	26.1	12168	168.56	373.81	425.87	968.24
7	Non Recycle Plastic Waste, PPE's & insulation waste /Cotton waste	33.1	20	0.91	2.37	0	3.28
8	Spent Carbon	26.1	20	0	0	0	0
9	Off-specification product	26.1	12	0	0	0	0
10	Spent Resin	35.2	10	0	0	0	0

OTHER WASTE:

We are sending 100 % Fly Ash to the end user for the purpose of brick manufacturing. MoU is attached as [Annexure-15](#).

Sr. No.	Name of Haz. Waste	Limit (MT/Year)	*All Quantity in MT.			
			July 24	August 24	September 24	Total
1	Fly Ash	11680	202.81	336.24	253.83	792.88
2	RO Membrane/ Cartridge Filter	8	0	0	0	0
3	Battery waste	5	0	0	0	0
4	E Waste	5	0	0	0	0

9	Off-specification product	26.1	12	Collection, storage, transportation, disposal at common incinerator facility/ Co-processing.
10.	Spent Resin	35.2	10	Collections, storage, transportation, and send for Co-processing to cement industry registered with XGN or CHWIF for incineration or send common TSDF Site.

OTHER WASTE:

Sr. No.	Name of Haz. Waste	Quantity	Facility
1	Fly Ash	11680 MT/Year	Collection, storage, transportation, disposal by selling to authorized reprocessors/recyclers.
2	RO Membrane/ Cartridge Filter	8 MT/Year	Collection, storage, transportation, disposal at common TSDF site
3	Battery waste	5 MT/Year	Collection, storage, transportation, disposal by selling to authorized reprocessors/recyclers
4	E Waste	5 MT/Year	Collection, storage, transportation, disposal by selling to authorized reprocessors/recyclers
5	Glass waste	10 MT/Year	Collection, Storage, Transportation,

	<table border="1"> <tr> <td data-bbox="280 205 355 281"></td> <td data-bbox="355 205 506 281"></td> <td data-bbox="506 205 643 281"></td> <td data-bbox="643 205 862 281">disposal /sold to scrap processors</td> </tr> </table>				disposal /sold to scrap processors	
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6	<p>All other conditions of the CCA order No: AWH-112729, issued vide letter no. GPCB/BRCH-B/CCA-178(3)/ID-41201/592461, dated 15/06/2021 and further amended dated 04/07/2022 shall remain unchanged.</p>	Noted & Complied.				

