

21st May 2025

AIL/JH/2025/ENV/044

To,

Deputy Director General of Forests (C)
Ministry of Environment Forest and Climate Change,
Integrated Regional Office - Gandhinagar,
Block-3, F-2 Wing, 5th floor, Karmayogi Bhawan,
Near CH-3 Circle, Sector - 10A, Gandhinagar - 382010

Subject : Half-yearly compliance report to the conditions of Environment Clearance for the period of October 2024 to March 2025.

Reference : SEIAA/GUJ/EC/5(f)/1470/2022, dated: 30/05/2022

Respected Sir,

With reference to the above mentioned subject, the unit is enclosing herewith the Environmental Clearance compliance report for the period of **October 2024 to March 2025** for the above mentioned reference of Environment Clearance obtained for the "Production of Synthetic Organic Chemicals" at Plot No. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC Notified Industrial Estate Jhagadia, District: Bharuch, Gujarat.

The compliance report is supported with required documents.

Thanking you,

Yours faithfully,

For, Aarti Industries Limited (Unit-II)



Authorized Signatory



Encl : EC Compliance Report along with Annexures

Copy to:

1. **Email to:** The Regional Director, CPCB, Vadodara, Gujarat
2. **Email to:** SEIAA, Gujarat
3. The Member Secretary, Gujarat Pollution Control Board, Gandhinagar
4. **Uploaded in Parivesh, MoEF&CC Portal**

www.aarti-industries.com | CIN : L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, Illrd Phase, GIDC Vapi - 396 195, Dist. Valsad. INDIA. T : 0260-2400366.

Factory : Plot No. 756/2A & B, 756/3A & B, 756/4A & B, 756/5A & B, 756/6, 756/7, 779 + 778 + 756/8 & 9, Survey No. 122, GIDC Estate, Jhagadia, Taluka. Jhagadia, Dist. Bharuch, Gujarat - 393110. INDIA.

Phone No. : 9537011611, 9537011711, 9537011811

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

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

EC No.: SEIAA/GUJ/EC/5(f)/1470/2022, dated: 30/05/2022

Half-Yearly Environmental Clearance Compliance Report

October 2024 to March 2025



Aarti Industries Limited (Unit-II)

Plot No. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7,
756/8+9, 778 & 779

GIDC Industrial Estate, Jhagadia 393110

Dist: Bharuch, Gujarat

Environment Clearance Compliance
Report of
EC File No. SEIAA/GUJ/EC/5(f)/1470/2022
Dated 30/05/2022

EC Compliance Report for period October-2024 to March-2025
File No: SEIAA/GUJ/EC/5(f)/1470/2022, Date of issue:- 30/05/2022

Sr. No.	Name of the Product	CAS No.	Capacity in MT/Annum			Compliance														
			Unit-II (Existing)	Unit-III (Existing)	After amendment & transfer on Unit II	Production														
UNIT-II PRODUCT LIST																				
1	Hydrogen Gas	1333-74-0	3000 Nm ³ /Hr	0	3000 Nm ³ /Hr	<div>Complied. Production quantity is under permitted capacity.</div> <table><tr><th>Month</th><th>Production (Nm³/Hr)</th></tr><tr><td>Oct'24</td><td>0.000</td></tr><tr><td>Nov'24</td><td>0.000</td></tr><tr><td>Dec'24</td><td>0.000</td></tr><tr><td>Jan'25</td><td>0.000</td></tr><tr><td>Feb'25</td><td>0.000</td></tr><tr><td>Mar'25</td><td>722.228</td></tr></table>	Month	Production (Nm ³ /Hr)	Oct'24	0.000	Nov'24	0.000	Dec'24	0.000	Jan'25	0.000	Feb'25	0.000	Mar'25	722.228
Month	Production (Nm ³ /Hr)																			
Oct'24	0.000																			
Nov'24	0.000																			
Dec'24	0.000																			
Jan'25	0.000																			
Feb'25	0.000																			
Mar'25	722.228																			
2	Purification of O/P/M Phenylene Di Amine	-	18000	0	18000	<div>Complied. Production quantity is under permitted capacity.</div> <table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>0.000</td></tr><tr><td>Nov'24</td><td>0.000</td></tr><tr><td>Dec'24</td><td>0.000</td></tr><tr><td>Jan'25</td><td>0.000</td></tr><tr><td>Feb'25</td><td>14.700</td></tr><tr><td>Mar'25</td><td>63.500</td></tr></table>	Month	Production, MT	Oct'24	0.000	Nov'24	0.000	Dec'24	0.000	Jan'25	0.000	Feb'25	14.700	Mar'25	63.500
Month	Production, MT																			
Oct'24	0.000																			
Nov'24	0.000																			
Dec'24	0.000																			
Jan'25	0.000																			
Feb'25	14.700																			
Mar'25	63.500																			
3	Calcium Chloride (Solid)	10043-52-4	120000	0	120000	<div>Complied. Production quantity is under permitted capacity.</div> <table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>2825.000</td></tr><tr><td>Nov'24</td><td>3338.500</td></tr><tr><td>Dec'24</td><td>3152.000</td></tr><tr><td>Jan'25</td><td>3077.000</td></tr></table>	Month	Production, MT	Oct'24	2825.000	Nov'24	3338.500	Dec'24	3152.000	Jan'25	3077.000				
Month	Production, MT																			
Oct'24	2825.000																			
Nov'24	3338.500																			
Dec'24	3152.000																			
Jan'25	3077.000																			

						<div>Feb'252817.000</div> <div>Mar'253117.000</div>														
I. A	Group IA-Chlorination Products and Its Derivatives: 90000 MT/Annum																			
1	Mono Chloro Benzene (MCB) Either/OR	108-90-7	90000	0	90000	<div>Complied.</div> <div>Production quantity is under permitted capacity.</div> <table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>4818.588</td></tr><tr><td>Nov'24</td><td>5106.596</td></tr><tr><td>Dec'24</td><td>6716.458</td></tr><tr><td>Jan'25</td><td>5626.739</td></tr><tr><td>Feb'25</td><td>5024.260</td></tr><tr><td>Mar'25</td><td>4516.908</td></tr></table>	Month	Production, MT	Oct'24	4818.588	Nov'24	5106.596	Dec'24	6716.458	Jan'25	5626.739	Feb'25	5024.260	Mar'25	4516.908
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Jan'25	5626.739																			
Feb'25	5024.260																			
Mar'25	4516.908																			
2	Ortho Di Chloro Benzene (ODCB)/ Para Di Chloro Benzene (PDCB)/ Meta Di Chloro Benzene (MDCB) Either/OR	95-50-1 /106-46 7/541-73-1																		
3	123/124 Tri Chloro Benzene (TCB) Either/OR	87-61-6/ 120-82-1																		
4	Ortho chloro toluene (OCT)/ Para chloro toluene (PCT) Either/OR	95-49-8 / 106-43-4																		
5	2- Chloro 4-Nitro Toluene Either/OR	121-86-8																		
6	6-Chloro 2 -Nitro toluene / 4-Chloro 2-Nitro Toluene Either/OR	83-42-1/ 89-59-8																		
7	Crude of All above Group I. A (Sr. No.1-6 Chlorination products)	--																		
I. B	Group IB-Chlorination Products and Its Derivatives: 7200 MT/Annum																			
1	2,4,6 Tri Chloro Aniline (TCAN) Either/OR	634-93-5	7200	0	7200	<div>Complied.</div> <div>Production quantity is under permitted capacity.</div> <table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>25.600</td></tr><tr><td>Nov'24</td><td>3.000</td></tr><tr><td>Dec'24</td><td>0.000</td></tr><tr><td>Jan'25</td><td>0.000</td></tr><tr><td>Feb'25</td><td>0.000</td></tr><tr><td>Mar'25</td><td>0.000</td></tr></table> <div>Presently the unit is having partial CCA.</div>	Month	Production, MT	Oct'24	25.600	Nov'24	3.000	Dec'24	0.000	Jan'25	0.000	Feb'25	0.000	Mar'25	0.000
Month	Production, MT																			
Oct'24	25.600																			
Nov'24	3.000																			
Dec'24	0.000																			
Jan'25	0.000																			
Feb'25	0.000																			
Mar'25	0.000																			
2	2,6 Di Chloro Para Nitro Aniline (2,6 DCPNA) Either/OR	99-30-9																		
3	2,4 Di Chloro Ortho Nitro Aniline (2,4 DCONA) Either/OR	2683-43-4																		
4	2 4 Di Chloro Aniline Either/OR	554-00-7																		
5	Crude of All above Group I. B (Sr. No. 1-4 Chlorination products)	--																		
II. A	Group IIA- Hydrogenated Products and Its Derivatives: 60000 MT/Annum																			
1	Ortho Toluidine/ Para Toluidine/ MetaToluidine Either/OR	95-53-4/ 106-49-0/ 108-44-1	60000	0	60000	<div>Complied.</div> <div>Production quantity is under permitted capacity.</div> <table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>1427.243</td></tr></table>	Month	Production, MT	Oct'24	1427.243										
Month	Production, MT																			
Oct'24	1427.243																			
2	Meta Chloro Aniline / Ortho Chloro Aniline / Para Chloro Aniline Either/OR	108-42-9/ 95-51-2 / 106-47-8																		
3	3,4 Di Chloro Aniline / 2,3 Di Chloro Aniline / 2,5 Di Chloro	95-76-1/ 608-27-5 /																		

M/s. Aarti Industries Ltd. Plot no 756/2A&2B, 756/3A&3B, 756/4A&4B, 756/5A&5B, 756/6, 756/7 756/8+9, 778 & 779, GIDC Notified Industrial Estate Jhagadia, Dist.Bharuch

4	Aniline Either/OR	95-82-9					Nov'24	464.840												
	2,4 Di Chloro Aniline / 2,6 Di Chloro Aniline / 3,5 Di chloro Aniline Either/OR	554-00-7/ 608-31-1/ 626-43-7					Dec'24	1249.618												
	3,4 Di Amino Di Phenyl Ether / 4,4 Di amino Di phenyl Ether Either/OR	2657-87-6/ 101-80-4					Jan'25	611.208												
	Ortho Anisidine/ Para Anisidine/ Meta Anisidine Either/OR	90-04-0/ 104-94-9/ 536-90-3					Feb'25	1774.382												
	Chloro Fluoro Aniline Either/OR	367-21-5					Mar'25	1227.829												
	Ortho Cumidine / Para Cumidine / Meta Cumidine Either/OR	643-28-7/ 99-88-7/ 5369-16-4																		
	Toluidines Either/OR	95-53-4																		
	Aniline Either/OR	62-53-3																		
	Para Fluoro Aniline / Meta Fluoro Aniline / Ortho Fluoro Aniline Either/OR	371-40-4/ 372-19-0/ 348-54-9																		
	1, 3 Di Fluoro Aniline/ 2, 4 Di Fluoro Aniline Either/OR	367-25-9																		
	1,3 Di Fluoro Benzene Either/OR	372-18-9																		
	4-Fluoro-N- Isopropyl Aniline Either/OR	70441-63-3																		
	4-Chloro-N- Isopropyl Aniline Either/OR	770-40-1																		
	2,3,4 Tri Fluoro Aniline Either/OR	3862-73-5																		
	Crude of All above Group II. A (Sr. No. 1-16 Hydrogenation products)	--																		
	II.B	Group IIB- Hydrogenated Products and Its Derivatives: 36000 MT/Annum																		
	1	2,4,5 Tri Chloro Aniline Either/OR					636-30-6	36000	0	36000	Complied. Production quantity is under permitted capacity.									
2	Meta Phenylene Di Amine/ Ortho Phenylene Di Amine/ Para Phenylene Di Amine Either/OR	108-45-2/ 95-54-5/ 106-50-3	<table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>485.600</td></tr><tr><td>Nov'24</td><td>349.500</td></tr><tr><td>Dec'24</td><td>447.500</td></tr><tr><td>Jan'25</td><td>221.000</td></tr><tr><td>Feb'25</td><td>314.500</td></tr><tr><td>Mar'25</td><td>476.000</td></tr></table>	Month	Production, MT	Oct'24	485.600				Nov'24	349.500	Dec'24	447.500	Jan'25	221.000	Feb'25	314.500	Mar'25	476.000
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Jan'25	221.000																			
Feb'25	314.500																			
Mar'25	476.000																			
3	Para Amino Phenol/ Meta Amino Phenol Either/OR	123-30-8/ 591-27-5																		
4	Crude of All above Group II. B (Sr. No.1-3 Hydrogenation products)	--																		
III	Nitration Products and Its Derivatives: 24000 MT/Annum (except 4NPI-12000 MT/Annum)																			

1	3,4 Di Chloro Nitro Benzene/ 2,5 Di Chloro Nitro Benzene/ 2,3 Di Chloro Nitro Benzene Either/OR	99-54-7/ 89-61-2/ 3209-22-1	24000	0	24000	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products.														
2	2,4,5 Tri Chloro Nitro Benzene/ 2,3,4 Tri Chloro Nitro Benzene Either/OR	89-69-0/ 17700-09-3																		
3	Crude of All above Group III. (1-2 Nitration products)	--																		
4	4-Nitro N-methyl Phthalimide (4NPI) Either/OR	41663-84-7	12000		12000	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products.														
5	Crude of 4-Nitro N-methyl Phthalimide (4NPI)	--																		
IV	Nitro Anisoles Products and Its Derivatives: 14400 MT/Annum																			
1	Ortho Nitro Anisole Either/OR	91-23-6	14400	0	14400	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products.														
2	Para Nitro Anisole Either/OR	100-17-4																		
3	Crude of All above Group IV. (1-2 Nitro Anisol products)	--																		
V	De-Nitro Chlorination Products and Its Derivatives :14400 MT/Annum																			
1	2,6 Di Chloro fluoro Benzene Either/OR	2268-05-5	14400	0	14400	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products.														
2	2,6 Di Chloro Benzo Nitrile Either/OR	1194-65-6																		
3	Meta Di chloro Benzene Either/OR	541-73-1																		
4	2,4 Di fluoro Chloro Benzene Either/OR	1435-44-5																		
5	2,4 Di chloro Fluoro Benzene Either/OR	1435-48-9																		
6	1.3 Dichloro 4,6 Difluoro Benzene/ 1,5 Dichloro 2,4 Difluoro Benzene Either/OR	2253-30-7																		
7	Crude of All above Group V (Sr. No. 1-6 De Nitro Chlorination products)	--																		
VI	DAPBI 2. (4-amino phenyl) - 1H-benzo (d) imidazol -5- amine	7621-86-5	756	0	756	<div>Complied. Production quantity is under permitted capacity.</div> <table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>6.597</td></tr><tr><td>Nov'24</td><td>6.394</td></tr><tr><td>Dec'24</td><td>8.465</td></tr><tr><td>Jan'25</td><td>10.809</td></tr><tr><td>Feb'25</td><td>6.702</td></tr><tr><td>Mar'25</td><td>12.315</td></tr></table>	Month	Production, MT	Oct'24	6.597	Nov'24	6.394	Dec'24	8.465	Jan'25	10.809	Feb'25	6.702	Mar'25	12.315
Month	Production, MT																			
Oct'24	6.597																			
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Jan'25	10.809																			
Feb'25	6.702																			
Mar'25	12.315																			

VII	Concentrated Nitric Acid from Dilute Nitric Acid (CNA from DNA)	7697-37-2	108000	0	108000	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products.														
UNIT-III PRODUCT LIST																				
VIII	Nitration : 84000 MT/Annum																			
1	2,4,2,3/2,5/3,4 Di Chloro Nitro Benzene Either/Or	611-06-3/ 3209-22-1/ 89-61-2/ 99-54-7	0	84000	84000	Complied. Production quantity is under permitted capacity. <table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>1690.697</td></tr><tr><td>Nov'24</td><td>1820.021</td></tr><tr><td>Dec'24</td><td>1212.236</td></tr><tr><td>Jan'25</td><td>2010.301</td></tr><tr><td>Feb'25</td><td>1490.553</td></tr><tr><td>Mar'25</td><td>2231.059</td></tr></table>	Month	Production, MT	Oct'24	1690.697	Nov'24	1820.021	Dec'24	1212.236	Jan'25	2010.301	Feb'25	1490.553	Mar'25	2231.059
Month	Production, MT																			
Oct'24	1690.697																			
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Dec'24	1212.236																			
Jan'25	2010.301																			
Feb'25	1490.553																			
Mar'25	2231.059																			
2	2,3,4/2,3,5 Tri Chloro Nitro Benzene Either/Or	17700-09-3/ 34283-94-8																		
3	2,4,5/2,3,6 Tri Chloro Nitro Benzene Either/Or	89-69-0/ 27864-13-7	Presently the unit is having partial CCA. Unit is yet to apply for CC&A Amendment for the rest of the products.																	
IX	Chlorination : 24000 MT/Annum																			
1	1,2,4 Tri Chloro Benzene Either/Or	120-82-1	0	24000	24000	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products.														
2	1,2,3 Tri Chloro Benzene Either/Or	87-61-6																		
3	Para Chloro Toluene (PCT) Either/Or	106-43-4																		
4	Ortho Chloro Toluene (OCT) Either/Or	95-49-8																		
5	2 Chloro 4 Nitro Toluene Either/Or	121-86-8																		
6	6 Chloro 2 Nitro Toluene Either/Or	83-42-1																		
7	4 Chloro 2 Nitro Toluene Either/Or	89-59-8																		
X	Physical Separations: 25200 MT/Annum																			
1	Ortho Di chloro Benzene (only Physical Separation)	95-50-1	0	10800	10800	Complied. Production quantity is under permitted capacity. <table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>441.430</td></tr></table>	Month	Production, MT	Oct'24	441.430										
Month	Production, MT																			
Oct'24	441.430																			


						<table><tr><td>Nov'24</td><td>297.706</td></tr><tr><td>Dec'24</td><td>307.348</td></tr><tr><td>Jan'25</td><td>27.710</td></tr><tr><td>Feb'25</td><td>1.000</td></tr><tr><td>Mar'25</td><td>273.088</td></tr></table>	Nov'24	297.706	Dec'24	307.348	Jan'25	27.710	Feb'25	1.000	Mar'25	273.088				
Nov'24	297.706																			
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Mar'25	273.088																			
2	Para Di chloro Benzene (only Physical Separation)	106-46-7	0	12000	12000	<div>Complied. Production quantity is under permitted capacity.</div> <table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>731.170</td></tr><tr><td>Nov'24</td><td>893.109</td></tr><tr><td>Dec'24</td><td>764.418</td></tr><tr><td>Jan'25</td><td>871.826</td></tr><tr><td>Feb'25</td><td>901.213</td></tr><tr><td>Mar'25</td><td>641.482</td></tr></table>	Month	Production, MT	Oct'24	731.170	Nov'24	893.109	Dec'24	764.418	Jan'25	871.826	Feb'25	901.213	Mar'25	641.482
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Feb'25	901.213																			
Mar'25	641.482																			
3	Meta Di chloro Benzene (only Physical Separation)	541-73-1	0	2400	2400	<div>Complied. Production quantity is under permitted capacity.</div> <table><tr><th>Month</th><th>Production, MT</th></tr><tr><td>Oct'24</td><td>0.000</td></tr><tr><td>Nov'24</td><td>0.000</td></tr><tr><td>Dec'24</td><td>0.000</td></tr><tr><td>Jan'25</td><td>0.000</td></tr><tr><td>Feb'25</td><td>0.000</td></tr><tr><td>Mar'25</td><td>0.000</td></tr></table>	Month	Production, MT	Oct'24	0.000	Nov'24	0.000	Dec'24	0.000	Jan'25	0.000	Feb'25	0.000	Mar'25	0.000
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Nov'24	0.000																			
Dec'24	0.000																			
Jan'25	0.000																			
Feb'25	0.000																			
Mar'25	0.000																			
XI	Inorganic Products: 3000 Nm³/Hr																			
1	Hydrogen, Nm3/hr	1333-74-0	0	3000	3000	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for this product.														
Inorganic Product																				
1	Steam (By product)	-	135.56 MT/Day	00	135.56 MT/Day	<div>Complied. Production quantity is under permitted capacity.</div> <table><tr><th>Month</th><th>Steam Production (MT/Day)</th></tr><tr><td>Oct'24</td><td>0.000</td></tr><tr><td>Nov'24</td><td>0.000</td></tr><tr><td>Dec'24</td><td>0.000</td></tr></table>	Month	Steam Production (MT/Day)	Oct'24	0.000	Nov'24	0.000	Dec'24	0.000						
Month	Steam Production (MT/Day)																			
Oct'24	0.000																			
Nov'24	0.000																			
Dec'24	0.000																			

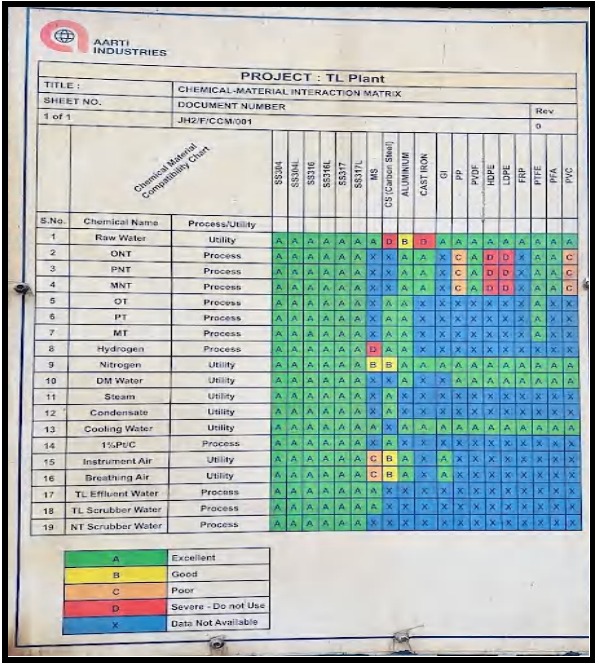
							Jan'25	0.000
							Feb'25	0.000
							Mar'25	125.610

Sr. No.	CONDITIONS	COMPLIANCE
A.	CONDITIONS:	
A.1 SPECIFIC CONDITION:		
1.	Unit shall strictly comply with each and every condition accorded by SEIAA vide letter no. SEIAA/GUJ/EC/5(f)/1161/2021 dated 02-07-2021, SEIAA/GUJ/EC/5(f)/1412/2019 dated 04-11-2019 and SEIAA/GUJ/EC/5(f)/101/2020 dated 05-02-2020 by new management as per details submitted by PP.	Noted. Unit is complying with every condition accorded by SEIAA vide letter no. SEIAA/GUJ/EC/5(f)/1161/2021 dated 02-07-2021, SEIAA/GUJ/EC/5(f)/1412/2019 dated 04-11-2019 and SEIAA/GUJ/EC/5(f)/101/2020 dated 05-02-2020. Compliance reports of the previous accorded EC are attached as Annexure-1
2.	Unit shall strictly adhere with notarized undertaking submitted by PP stating that there shall be no change in plant machinery, pollution load and product list after merger of both units.	Complied. Unit is strictly complying with the notarized undertaking for no change in plant machinery, pollution load and product list after merger of both units.
3.	PP shall develop greenbelt 31,831.14 sqm (14.13%) within the premises + 45,212 sq.m (20.07%) at plot having survey no: 122 GIDC Jhagadia & adjacent boundary side of the premises, (total 77,043.14 sq.m i.e. 34.21 % of the total plot area) as committed 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. Presently the unit has developed Green Belt of approx. 14778 m ² within the premises & approx 40428 m ² is developed at revenue survey plot No. 122. Total 55206 m ² i.e. 24.51% green belt area has been developed till date Unit has started developing the remaining green belt at revenue survey plot No. 123 & 109 (approx 22055 m ²). After development of the remaining green belt, total green belt area would be 77261 m ² . i.e. 34.30% of the total plot area. Photographs of the existing greenbelt are attached as Annexure-2 .
4.	A closed loop solvent recovery system with an adequate condenser system shall be provided to recover solvent vapors in such a manner that recovery shall be maximum and recovered solvent shall be reused in the process within premises.	Complied. A close loop solvent recovery system with an adequate condenser system is provided and recovered solvent is being used in the same process within the premises.

5.	Leak Detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR Logbooks shall be maintained.	Complied. Unit is adhering to internal guidelines for LDAR prepared based on the MoEF notification G.S.R.186 (E): Fugitive emission. Unit is carrying out LDAR monitoring on a quarterly basis. LDAR Monitoring report for the period (Oct '24 to Mar'25) is attached as Annexure-3 .
6.	Unit shall install CEMS continuous Emission Monitoring System in line to CPCB directions to all SPCB vide letter no. 8-29016/04/06PCL-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.	Complied. The unit has installed and connected required OCEMS to CPCB & GPCB for continuous monitoring of effluent discharge to M/s NCT. Screenshots of the CPCB & GPCB portal are attached as Annexure-4 .
7.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No 826 (E) dated 16th November, 2009 shall be complied with.	Complied. Unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) covering all the parameters at upwind and downwind location (at 3 specific locations) by a MoEF&CC approved and NABL Accredited laboratory. All results are well within the prescribed limits. Month-wise results of the various parameters are provided in the Annexure-5 . Ambient Air Monitoring Report of Feb '25 is attached as Annexure-6 for reference.
8.	National Emission Standards For Organic Chemicals Manufacturing industry issued by the Ministry vide G. S. R 608 (E) dated 21/07/2010 and amended from time to time shall be followed.	Complied. The unit is conducting regular monitoring of Volatile Organic Compounds and records are maintained in Form No. 37 and the copy of the same is attached as Annexure-7 for your reference.
9.	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 & consistency with the same.	Complied. Unit is complying with the area specific policies of GPCB with respect to the discharge of pollutants.
10.	All measures shall be taken to avoid soil and groundwater contamination within premises.	Complied. Following measures have been taken to prevent soil and groundwater contamination: <ul style="list-style-type: none"> • Pucca flooring is provided inside plant, raw material/product storage area

		<ul style="list-style-type: none"> • Concrete/ Bituminous roads are provided. • Bunding/dyke to chemical storage areas with collection and transferring facilities. • Closed loop transfer system provided for effluent, raw materials, products and other chemicals. • Separate Storm Water and process drains facility • Checklist for leakage monitoring & compliance. • Routine Soil monitoring, • Adequate effluent treatment facility, • Dedicated hazardous waste storage area having pucca flooring, • Acid proof tiling in the spent acid storage area. • Membership obtained from a common waste disposal facility for treatment and disposal of generated hazardous waste.
11.	Project proponent (PP) shall maintain complete ZLD all the time and there shall be no GIDC Drainage connection within premise and no waste water discharge outside premises by any means.	<p>Complied.</p> <p>As per the condition no. 17 of A.2, unit has permission to discharge treated effluent into the NCT-JPP pipeline. Accordingly, the unit has obtained CC&A amendment No. AWH-138793 dated 03.02.2025 for discharge of treated effluent after achieving the prescribed norms as mentioned in CC&A.</p>
12.	Safety & Health	
a.	PP shall obtain PESO permission for the storage and handling of hazardous chemicals.	<p>Complied.</p> <p>Necessary permission has been obtained from PESO.</p> <ul style="list-style-type: none"> • P/WB/GJ/15/2862 (P526017) dated 04/10/2024 which is valid up to 31/12/2034. <p>Both licenses are attached as Annexure-8 for reference.</p>
b.	PP shall provide Occupational Health Centre (OHC) as per the provisions under the Gujarat Factories Rule 68-U.	<p>Complied.</p> <p>Unit has provided an Occupational Health center within the site as per the provision under the Gujarat Factories Rule 68-U and the same is being operated under the supervision of a qualified Factory Medical Officer (FMO) and nurses.</p>

		
c.	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.	Complied. Unit has obtained a valid Factory License (License No. 15402, valid up to 31 st December, 2025). Factory License is attached as Annexure-9 for reference.
d.	Unit shall adopt a functional operations/process automation system including emergency response to eliminate risk associated with the hazardous processes.	Complied. Unit has adopted an operational process automation system like DCS for operation, monitoring and control. Other auxiliary systems are also controlled through PLC & SCADA (wherever required). Additionally, process safety devices like PSVs (Pressure safety valves), safety interlocks, emergency on/off buttons, LEL detectors, automatic sprinkler systems etc are integral part of automation systems for early detection of emergency and eliminating the risk.
e.	PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.	Complied. Unit regularly conducts mock drills within the premises. The last mock drill was conducted on 20.11.2024 and a report of the same was submitted to DISH on 26.12.2024, Bharuch which is attached as Annexure-10 .
f.	PP shall install an adequate fire hydrant system with foam trolley within premises and separate storage of water for the same shall be ensured by PP.	Complied. Unit has adequately provided a fire hydrant system with dedicated Fire Water Storage of capacity 6070 KL. Details of the fire water Storage and pump details are attached as Annexure-11 . Unit has also provided fire tender for emergency handling.
g.	PP shall take all the necessary steps for control of storage hazards within premises ensuring incompatibility of storage raw material and ensure the storage keeping safe	Complied. All materials are stored as per approved compatibility matrix and are displayed at prominent locations.

	distance as per the prevailing guidelines of the concerned authority.	 <p>Moreover, dedicated storage facility of flammable chemicals & hazardous chemicals provided at safer distance from production area as per PESO approval.</p>
h.	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.	<p>Complied.</p> <p>All measures are being taken to avoid any accidents. Mandatory use of appropriate PPEs like Safety shoes, Safety goggles, Helmet, gloves, cartridge mask, ear plug/muff etc. is ensured so that no harm is caused to any worker/employee.</p>
i.	Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.	<p>Complied.</p> <p>Necessary flameproof fittings are provided in production plants as per the hazardous area classification. Unit has carried out Hazardous area classification through an external competent agency i.e Vision Power Facts, Mumbai. The cover page of the same is attached as Annexure-12</p>
j.	PP shall provide double earthing to solvent storage tanks	<p>Complied.</p> <p>We have provided double earthing to reactors, receivers, and solvent piping. Also proper earthing is provided to all electrical motors/ MCC/ Push button etc. as per Electricity Act 2003.</p>
k.	Unit shall never store drum/tarrels/carboys of incompatible material/chemical together.	<p>Complied.</p>

		All materials are stored as per approved compatibility matrix. Please refer to point no. 12 (g) of A.1.														
1.	Unit shall provide effective isolation for the Process area and storage of hazardous chemicals.	Complied. Dedicated storage facility of flammable chemicals & hazardous chemicals provided at safer distance from production area as per PESO approval.														
A.2	WATER															
13.	Total water consumption for proposed expansion shall not exceed 8250.28 KL/day (Fresh+Recycle). Unit will reuse 2259.28 KL/day of treated industrial effluent within premises. Hence, fresh Water requirement for the proposed expansion shall not exceed 5991 KL/day and it shall be met through GIDC water supply only. Prior permission from concerned authority shall be obtained for withdrawal of water.	Complied. Unit receives water from the GIDC water supply only. No ground water is extracted. Unit has taken permission from GIDC for water supply which is attached as Annexure-13 . Fresh water consumption is well within the permissible limit (i.e. 5220.28 KLD) as per CC&A Amendment No. AWH-138793 dated 03.02.2025. Kindly refer to the attached CC&A as Annexure-14 . <table border="1"><thead><tr><th>Month</th><th>Quantity (KLD)</th></tr></thead><tbody><tr><td>Oct'24</td><td>1391.387</td></tr><tr><td>Nov'24</td><td>1121.967</td></tr><tr><td>Dec'24</td><td>1161.032</td></tr><tr><td>Jan'25</td><td>1007.935</td></tr><tr><td>Feb'25</td><td>1418.107</td></tr><tr><td>Mar'25</td><td>2518.065</td></tr></tbody></table>	Month	Quantity (KLD)	Oct'24	1391.387	Nov'24	1121.967	Dec'24	1161.032	Jan'25	1007.935	Feb'25	1418.107	Mar'25	2518.065
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14.	No ground water shall be tapped for the project requirement.	Complied. No groundwater is being tapped for utilization. The unit is only using water from GIDC.														

15.	<p>The industrial wastewater generation for proposed expansion shall not exceed 2260 KLD.</p>	<p>Complied.</p> <p>Industrial wastewater generation is well within the permissible limit (i.e. 688 KLD) as per CC&A Amendment No. AWH-138793 dated 03.02.2025.</p> <p>Kindly refer below table for the wastewater generation details.</p> <table><tr><th>Month</th><th>Quantity (KLD)</th></tr><tr><td>Oct'24</td><td>283.419</td></tr><tr><td>Nov'24</td><td>305.067</td></tr><tr><td>Dec'24</td><td>296.484</td></tr><tr><td>Jan'25</td><td>310.161</td></tr><tr><td>Feb'25</td><td>352.250</td></tr><tr><td>Mar'25</td><td>354.290</td></tr></table>	Month	Quantity (KLD)	Oct'24	283.419	Nov'24	305.067	Dec'24	296.484	Jan'25	310.161	Feb'25	352.250	Mar'25	354.290																						
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16.	<p>Industrial effluent shall be segregated into two streams</p> <p>(1) High COD and TDS effluent</p> <p>(2) Low COD and TDS effluent</p> <p>and it shall be managed as below:</p> <p>High COD and TDS effluent 1244 KLD:</p> <p>1073 KLD, High COD and TDS effluent from process, washing, scrubber and reaction and 171 KLD, industrial effluent from M/s. Aarti Industries Ltd. (Unit-III) shall be treated ETP consisting of primary treatment units. Out of 1243 KLD treated effluent, 540 KLD shall be discharged in NCT, pipeline and 703 KLD shall be further treated within premises.</p> <p>Low COD and TDS effluent 1719 KLD):</p> <p>703 KLD, treated effluent, 956 KLD, low COD effluent from utilities and 60 KLD. Industrial effluent from M/s. Aarti industries (Unit-III) shall be treated in RO. 1375 KLD, RO permeate shall be reused within premises and 344 KLD, RO reject shall be treated in MEE. 318 KLD, MEE condensate shall be reused within premises.</p>	<p>Complied.</p> <p>Currently, the unit is managing industrial effluent as per condition no. 3.3 (a & b) of CC&A Amendment No. AWH-138793 dated 03.02.2025.</p> <p>The unit has provided adequate treatment facilities including ETP (primary, secondary and tertiary), MEE-ATFD and RO system.</p> <p>Effluent meeting the discharge norms sent to M/s NCT for further treatment and discharge into deep sea.</p> <table><tr><th colspan="4">Effluent Disposal (KLD)</th></tr><tr><th>Month</th><th>Total</th><th>Discharge to NCT-Pipeline</th><th>CMEE</th></tr><tr><td>Permission</td><td>688.00</td><td>490.00</td><td>198.00</td></tr><tr><td>Oct'24</td><td>243.09</td><td>240.50</td><td>2.59</td></tr><tr><td>Nov'24</td><td>256.25</td><td>252.91</td><td>3.34</td></tr><tr><td>Dec'24</td><td>246.88</td><td>246.88</td><td>0.00</td></tr><tr><td>Jan'25</td><td>265.51</td><td>265.51</td><td>0.00</td></tr><tr><td>Feb'25</td><td>301.23</td><td>301.23</td><td>0.00</td></tr><tr><td>Mar'25</td><td>305.63</td><td>305.63</td><td>0.00</td></tr></table>	Effluent Disposal (KLD)				Month	Total	Discharge to NCT-Pipeline	CMEE	Permission	688.00	490.00	198.00	Oct'24	243.09	240.50	2.59	Nov'24	256.25	252.91	3.34	Dec'24	246.88	246.88	0.00	Jan'25	265.51	265.51	0.00	Feb'25	301.23	301.23	0.00	Mar'25	305.63	305.63	0.00
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17.	<p>Treated wastewater shall be sent to M/s. NCT, pipeline only after complying with the inlet norms of common facilities prescribed by GPCB to ensure no adverse impact on Human</p>	<p>Complied.</p> <p>The unit has installed and connected required OCEMS to CPCB & GPCB for continuous monitoring of effluent</p>																																				

	health and environment.	<p>discharge.</p> <p>To make sure that discharge parameters are being followed, we have set up an interlock system that is connected to a TOC meter. The DSC system also has an alarm for this purpose. The treated effluent met the discharge norms sent to NCT-JPP pipeline for deep sea discharge.</p> <p>Apart from that, M/s. NCT is regularly sampling and monitoring treated effluent.</p> <p>Furthermore, Monthly treated effluent monitoring is also conducted by external laboratories that hold both NABL accreditation and approval from the MoEF&CC. The reports for February 2025 are provided in Annexure-34.</p>														
18.	Unit shall provide adequate treatment to industrial effluent in such a way that feeds wastewater to inhouse MEE only after ensuring content to effluent for COD/VOC so as not to get the air borne during evaporation in order to achieve no adverse impact on Environment and Human Health.	<p>Complied.</p> <p>Currently, the unit is managing industrial effluent as per condition no. 3.3 (a & b) of CC&A Amendment No. AWH-138793 dated 03.02.2025.</p> <p>The unit has provided primary, secondary & tertiary treatment & Ammonia stripping unit for industrial effluent to control COD/VOC so that no airborne emissions is generated during evaporation.</p>														
19.	Domestic wastewater generation shall not exceed 178 KL/Day for proposed projects and it shall be treated in STP. It shall not be disposed of through a soak pit septic tank. Treated sewage can be utilized for gardening and plantation purposes within premises after achieving onland discharge norms prescribed by the GPCB or reused in process & cooling water.	<p>Complied.</p> <p>Unit has a proper Sewage treatment facility - STP to treat domestic effluent. Treated domestic wastewater is utilized in gardening/plantation and cooling towers within own premises.</p> <p>Domestic wastewater generation is well within limit as prescribed in CC&A No. AWH-138793 i.e. 120 KLD.</p> <table><tr><th>Month</th><th>Quantity (KLD)</th></tr><tr><td>Oct'24</td><td>45.742</td></tr><tr><td>Nov'24</td><td>37.167</td></tr><tr><td>Dec'24</td><td>32.387</td></tr><tr><td>Jan'25</td><td>42.742</td></tr><tr><td>Feb'25</td><td>42.036</td></tr><tr><td>Mar'25</td><td>48.226</td></tr></table>	Month	Quantity (KLD)	Oct'24	45.742	Nov'24	37.167	Dec'24	32.387	Jan'25	42.742	Feb'25	42.036	Mar'25	48.226
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20.	During monsoon season when treated sewage may not be required for the plantation/gardening/greenbelt purpose. It shall be reused within the process and cooling tower. There	<p>Complied.</p> <p>During the rainy season sewage generated from the domestic activities are treated in STP & used in cooling</p>														

	shall be no discharge of waste water outside the premises in any case.	towers as a makeup water.																																																															
21.	The unit shall provide metering facility at the inlet and outlet of the fenton treatment, effluent treatment plant, RO system, MEE plant & STP, and maintain the record of the same.	Complied. Flowmeters are provided at inlet and outlet of treatment facilities. Photographs of Flowmeters are attached as Annexure-15 for your ready reference.																																																															
22.	Proper Logbook of the ETP, RO, MEE & STP operation, effluent quality and quantity, chemical & power consumption treated effluent reused in process & gardening/plantation, chemical & power consumption etc. shall be maintained and shall be furnished to GPCB from time to time.	Complied. Unit is maintaining proper logbooks of ETP, MEE, STP, recycle/ reuse of treated/ untreated effluent, chemical consumption in effluent treatment, quantity & quality of treated effluent, power consumption. Photographs of logbooks are attached as Annexure-16 for your ready reference.																																																															
A.3 AIR																																																																	
23	Unit shall not exceed fuel consumption for boilers, TFHs, HAGs and oxidizers and D G Set as mentioned below:																																																																
	<table><tr><th>Sr. No:</th><th>Source of emission with capacity</th><th>Stack Height (m)</th><th>Type of Fuel</th><th>Quantity of Fuel (MT/Day)</th><th>Type of emission i.e. Air Pollutants</th><th>Air Pollution Control Measures (APCM)</th></tr><tr><td>1</td><td>DG Set 650 KVA (2 Nos.)</td><td>11</td><td>HSD</td><td rowspan="5">7086 Lit/Hr.</td><td rowspan="4">Particulate matter SO2 NOx</td><td>Acoustic Enclosure</td></tr><tr><td>2</td><td>DG Set 1010 KVA (7 Nos.)</td><td>11</td><td>HSD</td><td>Acoustic Enclosure</td></tr><tr><td>3</td><td>DG Set 2500 KVA (4 Nos.)</td><td>11</td><td>HSD</td><td>Acoustic Enclosure</td></tr><tr><td>4</td><td>DG Set 750 KVA (3 Nos. Existing)</td><td>11</td><td>HSD</td><td>Acoustic Enclosure</td></tr><tr><td>5</td><td>DG Set 1500 KVA (2 Nos. Proposed)</td><td>11</td><td>HSD</td><td>Particulate matter SO2 NOx</td><td>Acoustic Enclosure</td></tr></table>	Sr. No:	Source of emission with capacity	Stack Height (m)	Type of Fuel	Quantity of Fuel (MT/Day)	Type of emission i.e. Air Pollutants	Air Pollution Control Measures (APCM)	1	DG Set 650 KVA (2 Nos.)	11	HSD	7086 Lit/Hr.	Particulate matter SO2 NOx	Acoustic Enclosure	2	DG Set 1010 KVA (7 Nos.)	11	HSD	Acoustic Enclosure	3	DG Set 2500 KVA (4 Nos.)	11	HSD	Acoustic Enclosure	4	DG Set 750 KVA (3 Nos. Existing)	11	HSD	Acoustic Enclosure	5	DG Set 1500 KVA (2 Nos. Proposed)	11	HSD	Particulate matter SO2 NOx	Acoustic Enclosure	Complied. Fuel consumption is well within the given limit. <table><tr><th>Sr No.</th><th>Month</th><th>HSD (L/Hr)*</th><th>Coal (MT/Hr)*</th></tr><tr><td>1</td><td>Oct'24</td><td>20.347</td><td>2.202</td></tr><tr><td>2</td><td>Nov'24</td><td>2.508</td><td>2.549</td></tr><tr><td>3</td><td>Dec'24</td><td>8.091</td><td>2.137</td></tr><tr><td>4</td><td>Jan'25</td><td>0.000</td><td>2.047</td></tr><tr><td>5</td><td>Feb'25</td><td>2.048</td><td>2.287</td></tr><tr><td>6</td><td>Mar'25</td><td>4.161</td><td>2.282</td></tr></table> <p>*The above mentioned data is for existing facilities only. For proposed facilities, the unit shall comply with the condition after installation and obtaining CC&A amendment.</p> <p>Unit has provided adequate APCMs in the existing flue gas generation sources & is achieving the norms as per GPCB/CPCB/MoEF&CC standards.</p> <p>Flue gas emissions are well within the limit. Month-wise results of the flue gas emission are provided in the Annexure-17.</p>	Sr No.	Month	HSD (L/Hr)*	Coal (MT/Hr)*	1	Oct'24	20.347	2.202	2	Nov'24	2.508	2.549	3	Dec'24	8.091	2.137	4	Jan'25	0.000	2.047	5	Feb'25	2.048	2.287	6	Mar'25	4.161	2.282
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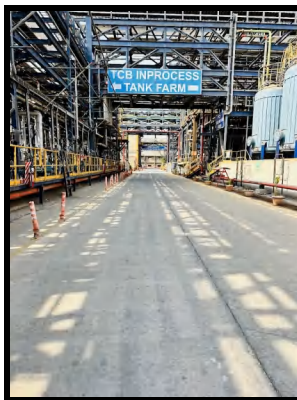
6	Boiler 30 TPH (2 Nos.)	52 m each	Coal	7.5 MT/Hr. For each Boiler	Lime addition along with coal +ESP
7	Boiler 150 TPH (1 Nos.)	83	Coal	37.5 MT/Hr.	Lime addition along with coal +ESP
8	Thermic Fluid Heater (Thermopak) 4 Lakh Kcal/Hr (1 No.)	20 (For Coal) & 15 (For Natural Gas)	Coal/NG	0.2 MT/Hr/ 6 Nm3/Hr	Dust Collector, Cyclone Separator (For Coal)
9	Thermic Fluid Heater (Thermopak) 40 Lakh Kcal/Hr (2 Nos.)	34 m each	Coal	1.95 MT/Hr for Each	Bag Filter
10	Hot Air Generator (For Calcium Chloride Dryer) - (1 No.)	33	Coal	8 MT/Hr.	Cyclone Separator , Bag filter & Water Scrubber
11	Vent gas oxidizer - 1 No. - Proposed)	30	Natural gas	41 Nm3/Hr.	--
12	D.G Set 1500 kVA (2 Nos.)	33	Diesel	660 L/Hr.	Adequate stack height + Acoustic barrier


Analysis reports of Flue gas emission for Feb '25 are attached as **Annexure-18**.

Note: Steam will be supplied to Aarti industries Limited (Unit-1), Plot No. 758/ 1-2-3 @ 30 TPH & Aarti industries

	Limited (Unit-III), Plot No. 778 @ 30 TPH. (After amalgamation Unit-III will be part of Unit II) from the 150 TPH Boiler proposed in this Aarti Industries Limited Unit-II . Steam condensate will be received back to the AIL Unit-II. The Chilling water/coolant will be supplied to M/s. Aarti Industries Limited (Unit-I) @500 TR.																																											
24.	Unit shall provide adequate APCM with flue gas generation sources as mentioned above.	Complied. Unit has provided adequate APCMs in the existing flue gas generation sources & is achieving the norms as per standards mentioned in CC& A.																																										
25.	Unit shall provide adequate APCM with process gas generation sources as mentioned below: <table><tr><th>Sr. No.</th><th>Specific Source of emission (Name of the product & process)</th><th>Type of emission</th><th>Permissible Limits</th><th>Stack / Vent Height (m)</th><th>Air Pollution Control Measures (APCM)</th></tr><tr><td>1</td><td>Reformer</td><td>CO</td><td>150 mg/Nm³</td><td>26</td><td>-</td></tr><tr><td>2</td><td>CaCO₃ Reactor</td><td>HCl</td><td>20 mg/Nm³</td><td>23</td><td>Alkali Scrubber</td></tr><tr><td>3</td><td>CaCl₂ Dryer vent</td><td>Particulate Matter</td><td>150 mg/Nm³</td><td>20</td><td>Cyclone separators & Wet Scrubber</td></tr><tr><td>4</td><td>Chlorinator Reactor vent</td><td>HCl Chlorine</td><td>20 mg/Nm³ 09 mg/Nm³</td><td>15</td><td>Falling film absorber followed by Alkali Scrubber</td></tr><tr><td>5</td><td>Nitration Vessels</td><td>NO_x</td><td>25 mg/Nm³</td><td>15</td><td>Acidic Scrubber</td></tr><tr><td>6</td><td>CLB- Cl₂ scrubber</td><td>Cl₂</td><td>09 mg/Nm³</td><td>15</td><td>Single Stage, 10% NaOH</td></tr></table>	Sr. No.	Specific Source of emission (Name of the product & process)	Type of emission	Permissible Limits	Stack / Vent Height (m)	Air Pollution Control Measures (APCM)	1	Reformer	CO	150 mg/Nm ³	26	-	2	CaCO ₃ Reactor	HCl	20 mg/Nm ³	23	Alkali Scrubber	3	CaCl ₂ Dryer vent	Particulate Matter	150 mg/Nm ³	20	Cyclone separators & Wet Scrubber	4	Chlorinator Reactor vent	HCl Chlorine	20 mg/Nm ³ 09 mg/Nm ³	15	Falling film absorber followed by Alkali Scrubber	5	Nitration Vessels	NO _x	25 mg/Nm ³	15	Acidic Scrubber	6	CLB- Cl ₂ scrubber	Cl ₂	09 mg/Nm ³	15	Single Stage, 10% NaOH	Complied. Unit has provided adequate APCMs in the existing process gas generation sources & is achieving norms as per standards mentioned in CC&A. Process gas emissions are well within the prescribed limit. Month-wise results of the process gas emission are provided in the Annexure-19 . Analysis reports of process gas emission for Feb'25 are attached as Annexure-18 . The above mentioned data is for existing facilities only. For remaining facilities, the unit shall comply with the condition after installation and obtaining CC&A amendment.
Sr. No.	Specific Source of emission (Name of the product & process)	Type of emission	Permissible Limits	Stack / Vent Height (m)	Air Pollution Control Measures (APCM)																																							
1	Reformer	CO	150 mg/Nm ³	26	-																																							
2	CaCO ₃ Reactor	HCl	20 mg/Nm ³	23	Alkali Scrubber																																							
3	CaCl ₂ Dryer vent	Particulate Matter	150 mg/Nm ³	20	Cyclone separators & Wet Scrubber																																							
4	Chlorinator Reactor vent	HCl Chlorine	20 mg/Nm ³ 09 mg/Nm ³	15	Falling film absorber followed by Alkali Scrubber																																							
5	Nitration Vessels	NO _x	25 mg/Nm ³	15	Acidic Scrubber																																							
6	CLB- Cl ₂ scrubber	Cl ₂	09 mg/Nm ³	15	Single Stage, 10% NaOH																																							

7	CLB - PDCB Scrubbers	VOC	-	15	Single Stage, ODCB
8	CLB - HCL Scrubber-	HCl	20 mg/N m3	15	HCl absorber followed by caustic scrubber
9	CLB - HCL Scrubber	HCl	20 mg/N m3	15	HCl absorber followed by caustic scrubber
10	TCB - HCL Scrubber	HCl	20 mg/N m3	15	HCl absorber followed by caustic scrubber
11	TCB - Cl2 Scrubber	Cl2	09 mg/N m3	15	Single Stage, 10% NaOH
12	TCB - ODCB Scrubber	VOC	-	15	Single Stage, ODCB
13	DCPNA - HCL Scrubber	HCl	20 mg/N m3	15	HCl absorber followed by caustic scrubber
14	DCPNA - Cl2 Scrubber	Cl2	09 mg/N m3	15	Single Stage, 10% NaOH
15	DAPBI Process	HCl	20 mg/N m3	15	Water Scrubber followed by Alkali Scrubber
16	DAPBI Process	NH3	175 mg/N m3	15	Acidic Scrubber

	<table><tr><td>17</td><td>ETP Scrubber</td><td>NH3</td><td>175 mg/N m3</td><td>15</td><td>Acidic Scrubber</td></tr><tr><td>18</td><td>Scrubber connected to Nitration Reactors.</td><td>NOx</td><td>25 mg/N m3</td><td>11</td><td>2-stage Alkali Scrubber</td></tr><tr><td>19</td><td>Scrubber connected to Chlorination Reactor</td><td>HCL</td><td>25 mg/N m3</td><td>11</td><td>Water scrubber followed by Alkali Scrubber</td></tr><tr><td>20</td><td>PSA Absorber</td><td>VOC</td><td>-</td><td>26</td><td>Water scrubber</td></tr></table>	17	ETP Scrubber	NH3	175 mg/N m3	15	Acidic Scrubber	18	Scrubber connected to Nitration Reactors.	NOx	25 mg/N m3	11	2-stage Alkali Scrubber	19	Scrubber connected to Chlorination Reactor	HCL	25 mg/N m3	11	Water scrubber followed by Alkali Scrubber	20	PSA Absorber	VOC	-	26	Water scrubber	
17	ETP Scrubber	NH3	175 mg/N m3	15	Acidic Scrubber																					
18	Scrubber connected to Nitration Reactors.	NOx	25 mg/N m3	11	2-stage Alkali Scrubber																					
19	Scrubber connected to Chlorination Reactor	HCL	25 mg/N m3	11	Water scrubber followed by Alkali Scrubber																					
20	PSA Absorber	VOC	-	26	Water scrubber																					
26.	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of industrial Safety & Health) Following indicative guidelines shall also be followed to reduce the fugitive emission.	<p>Complied.</p> <p>The unit is conducting regular monitoring of Volatile Organic Compounds and records are maintained in Form No. 37 and the copy of the same is attached as Annexure-7 for your reference.</p>																								
>	internal roads shall be either concentrated or asphalted or paved properly to reduce the fugitive emission during vehicular movement.	<p>Complied.</p> <p>All internal roads are asphalted or paved properly and cleaned on a regular basis. The entire site is either asphalted or paved area or green area.</p> <div></div>																								
>	Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.	<p>Complied.</p> <p>Water sprinklers have been provided in the coal and ash handling area to reduce fugitive emission.</p>																								

		
	<p>➤ A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.</p>	<p>Complied. Green-Belt developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission. Photographs of the existing greenbelt are attached as Annexure-2.</p>
27.	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone and ambient air.	<p>Complied. The unit is carrying out regular monitoring of Volatile Organic Compounds in the work zone and ambient air. Kindly refer Annexure-7 & Annexure-5 respectively.</p>
28.	For control of fugitive emission, VOCs, following steps shall be followed:	
a.	Closed handling and charging systems shall be provided for chemicals.	<p>Complied. Closed handling and charging systems are provided for chemicals.</p>
b.	Reflux condenser shall be provided over reactors/ vessels.	<p>Complied.</p>
c.	Pumps shall be provided with mechanical seals to prevent leakages	<p>Complied. Mechanical seals pumps are provided in the unit to prevent the leakage.</p>
d.	Air borne dust at all transfers operations/points shall be controlled either by spraying water or providing enclosures.	<p>Complied. No such aspect (air borne dusty operation) is there in our plant. All the processes are being carried out in closed vessels only. The unit is taking adequate measures to control the air borne dust from the plant.</p>
29.	Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx, HCl, Cl2, CO, NH3 and VOC shall be	<p>Complied. Unit is carrying out Ambient Air monitoring as per the</p>

	<p>carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.</p>	<p>National Ambient Air Quality Standards (NAAQS) covering all the parameters at upwind and downwind location (at 3 specific locations) by a MoEF&CC approved and NABL Accredited laboratory. All results are well within the prescribed limits. The results of the analysis are provided in the following table.</p> <p>Month-wise results of the various parameters are provided in the Annexure-5.</p> <p>Ambient Air Monitoring Report of Feb '25 is attached as Annexure-6 for reference.</p>
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A. 4	SOLID/HAZARDOUS WASTE									
30.	All the hazardous/ solid waste management shall be taken care as mentioned below ;									
S. No.	Type of Hazardous Waste	Source of Generation				Hazardous Waste Category No.	Mode of Disposal	Compliance Status		
			Unit-II	Unit-II I	Total After Amendme nt on Unit II					
1	MEE/ evaporation Salt	ETP Plant	9490	1825	11315	35.3	Collection , Storage, Transport ation & disposal to TSDF site/Co-pr ocessing	Complied. Hazardous waste disposal quantity is well within the given limit.		
	ETP Waste	ETP Waste	9807	0	12910					
		ETP Waste from Unit-III	3103	0						
Silica	CaCl ₂ Process	19512	0	19512	Complied. Hazardous waste disposal quantity is well within the given limit.					
Silica Sludge										
Month	Co-proce ssing	Landfilli ng	Total Quantity							

								<table><tr><td></td><td></td><td></td><td>(MT)</td></tr><tr><td>Oct'24</td><td>0.000</td><td>110.930</td><td>110.930</td></tr><tr><td>Nov'24</td><td>0.000</td><td>793.440</td><td>793.440</td></tr><tr><td>Dec'24</td><td>0.000</td><td>149.660</td><td>149.660</td></tr><tr><td>Jan'25</td><td>0.000</td><td>181.010</td><td>181.010</td></tr><tr><td>Feb'25</td><td>0.000</td><td>126.040</td><td>126.040</td></tr><tr><td>Mar'25</td><td>201.450</td><td>188.660</td><td>390.110</td></tr></table>				(MT)	Oct'24	0.000	110.930	110.930	Nov'24	0.000	793.440	793.440	Dec'24	0.000	149.660	149.660	Jan'25	0.000	181.010	181.010	Feb'25	0.000	126.040	126.040	Mar'25	201.450	188.660	390.110
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Feb'25	0.000	126.040	126.040																																	
Mar'25	201.450	188.660	390.110																																	
2	Used oil	Utility	40	6	46	5.1	Collection, Storage, Transportation, & Disposal by selling to registered re-processors.	<p>Complied. Hazardous waste disposal quantity is well within the given limit.</p> <table><tr><th colspan="2">Used Oil</th></tr><tr><th>Month</th><th>Quantity (MT)</th></tr><tr><td>Oct'24</td><td>0.000</td></tr><tr><td>Nov'24</td><td>0.000</td></tr><tr><td>Dec'24</td><td>0.000</td></tr><tr><td>Jan'25</td><td>4.430</td></tr><tr><td>Feb'25</td><td>0.000</td></tr><tr><td>Mar'25</td><td>0.000</td></tr></table>	Used Oil		Month	Quantity (MT)	Oct'24	0.000	Nov'24	0.000	Dec'24	0.000	Jan'25	4.430	Feb'25	0.000	Mar'25	0.000												
Used Oil																																				
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Jan'25	4.430																																			
Feb'25	0.000																																			
Mar'25	0.000																																			
3	Empty Barrels & Empty HDPE bags	R.M storage area	200	0	200	33.1	Collection, storage, transportation, decontamination & Disposal to Recycler/TSDF/sending back to raw material supplier/Co-processing.	<p>Complied. Hazardous waste disposal quantity is well within the given limit.</p> <table><tr><th colspan="2">Empty Barrels & Empty HDPE bags, Discarded Containers /Bags</th></tr><tr><th>Month</th><th>Quantity (MT)</th></tr><tr><td>Oct'24</td><td>4.570</td></tr><tr><td>Nov'24</td><td>39.740</td></tr><tr><td>Dec'24</td><td>16.850</td></tr><tr><td>Jan'25</td><td>31.310</td></tr><tr><td>Feb'25</td><td>6.570</td></tr><tr><td>Mar'25</td><td>7.020</td></tr></table>	Empty Barrels & Empty HDPE bags, Discarded Containers /Bags		Month	Quantity (MT)	Oct'24	4.570	Nov'24	39.740	Dec'24	16.850	Jan'25	31.310	Feb'25	6.570	Mar'25	7.020												
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	Discarded Containers /Bags		100	240	340		Collection , storage, transportation, decontamination & Disposal to Recycler/ TSDF/ sending back to raw material supplier.																	
4	Distillation residue & waste	Process	1404	2700	4104	26.1	Collection , storage, transportation & disposal to incineration /Co-processing.	Complied. Hazardous waste disposal quantity is well within the given limit. <table><tr><th colspan="2">Distillation/Process Residue</th></tr><tr><th>Month</th><th>Quantity (MT)</th></tr><tr><td>Oct'24</td><td>183.170</td></tr><tr><td>Nov'24</td><td>215.380</td></tr><tr><td>Dec'24</td><td>136.540</td></tr><tr><td>Jan'25</td><td>143.130</td></tr><tr><td>Feb'25</td><td>101.040</td></tr><tr><td>Mar'25</td><td>139.070</td></tr></table>	Distillation/Process Residue		Month	Quantity (MT)	Oct'24	183.170	Nov'24	215.380	Dec'24	136.540	Jan'25	143.130	Feb'25	101.040	Mar'25	139.070
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Jan'25	143.130																							
Feb'25	101.040																							
Mar'25	139.070																							
5	Process residue	Process	12480	0	12480																			
6	Spent Catalyst	Hydrogenation process	444	54	498	26.5	Collection , storage, transportation & disposal to registered re-generator s/ TSDF site & (reuse for U-III)	Complied. Hazardous waste disposal quantity is well within the given limit. <table><tr><th colspan="2">Spent Catalyst</th></tr><tr><th>Month</th><th>Quantity (MT)</th></tr><tr><td>Oct'24</td><td>8.364</td></tr><tr><td>Nov'24</td><td>6.310</td></tr><tr><td>Dec'24</td><td>8.077</td></tr><tr><td>Jan'25</td><td>8.556</td></tr><tr><td>Feb'25</td><td>2.211</td></tr><tr><td>Mar'25</td><td>9.341</td></tr></table>	Spent Catalyst		Month	Quantity (MT)	Oct'24	8.364	Nov'24	6.310	Dec'24	8.077	Jan'25	8.556	Feb'25	2.211	Mar'25	9.341
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Mar'25	9.341																							
7	Hydrochloric acid (HCl)	Scrubber	205620	23276	228896	B15 of Schedule-II	Collection , storage, transportation &																	

							reused in manufacturing of CaCl2. OR sold to authorize actual end users having Rule 9 permission or (it will be neutralized and send for treatment to ETP, for U-III)	<table><tr><th colspan="4">Hydrochloric acid (HCl)</th></tr><tr><th>Month</th><th>In-house utilization for manufacturing of CaCl2</th><th>Dispatched to actual end-user</th><th>Total Quantity (MT)</th></tr><tr><td>Oct'24</td><td>5810.400</td><td>1421.150</td><td>7231.550</td></tr><tr><td>Nov'24</td><td>7632.472</td><td>827.150</td><td>8459.622</td></tr><tr><td>Dec'24</td><td>7600.900</td><td>2667.790</td><td>10268.690</td></tr><tr><td>Jan'25</td><td>6968.086</td><td>1577.430</td><td>8545.516</td></tr><tr><td>Feb'25</td><td>6808.922</td><td>595.780</td><td>7404.702</td></tr><tr><td>Mar'25</td><td>6888.425</td><td>179.410</td><td>7067.835</td></tr></table>	Hydrochloric acid (HCl)				Month	In-house utilization for manufacturing of CaCl2	Dispatched to actual end-user	Total Quantity (MT)	Oct'24	5810.400	1421.150	7231.550	Nov'24	7632.472	827.150	8459.622	Dec'24	7600.900	2667.790	10268.690	Jan'25	6968.086	1577.430	8545.516	Feb'25	6808.922	595.780	7404.702	Mar'25	6888.425	179.410	7067.835
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8	Spent Sulphuric acid (H ₂ SO ₄)	Process	20856	56700	77556	B15 of Schedule-II	Collection, storage, transportation & sold to authorized actual end users having Rule 9 permission.	Complied. Spent Sulphuric acid waste is not generated & disposed off during the reporting period.																																
9	Sodium Hydrochlorite (NaOCl)	Process	45084	0	45084	B15 of Schedule-II	Collection, storage, transportation & sold to authorized actual end users having Rule 9 permission.	Complied. Sodium Hypochlorite is not being generated during the reporting period.																																
10	Sodium Chloride (NaCl)	Process	44160	0	44160	B15 of Schedule-II	Collection, storage, transportation & sold to authorized actual end users having Rule 9 permission.	Complied. NaCl is not being generated during the reporting period.																																

							permission/ TSDF site for landfill													
11	Ortho Nitro Phenol (ONP/ Para Nitro Phenol (PNP)	Process	492	0	492	--	Collection, storage, transportation & sold to authorized actual end users having Rule 9 permission.	Complied. Presently the Unit is having Partial CCA. Ortho Nitro Phenol (ONP/ Para Nitro Phenol (PNP) is not being generated during the reporting period.												
12	Nitrosyl Sulphuric Acid (NSA)	Process	17652	0	17652	B15 of Schedule-II	Collection, storage, transportation & sold to authorized actual end users having Rule 9 permission.	Complied. Presently the Unit is having Partial CCA. Nitrosyl Sulphuric Acid (NSA) is not being generated during the reporting period.												
13	Calcium Chloride Solution as brine	Process	120000	0	120000	Class C2 of Schedule-II	Collection, storage, transportation & sold to authorized actual end users having Rule 9 permission.	Complied. Calcium Chloride Solution as brine is not being disposed off during the reporting period.												
14	Spent Carbon	Process and ETP	1020	60	1080	36.2	Collection, Storage, transportation, sent for co-processing/ incineration	Complied. Hazardous waste disposal quantity is well within the given limit. <table><tr><th colspan="2">Spent Carbon</th></tr><tr><th>Month</th><th>Quantity (MT)</th></tr><tr><td>Oct'24</td><td>19.330</td></tr><tr><td>Nov'24</td><td>16.020</td></tr><tr><td>Dec'24</td><td>18.570</td></tr><tr><td>Jan'25</td><td>33.760</td></tr></table>	Spent Carbon		Month	Quantity (MT)	Oct'24	19.330	Nov'24	16.020	Dec'24	18.570	Jan'25	33.760
Spent Carbon																				
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Feb'25	18.650																							
Mar'25	18.020																							
15	Off-specification product	Process	25	120	145	26.1	Collection, Storage, Transportation disposal to Co-processing/ Incineration (Disposal at Co-processing is not for U-III)	Complied.																
16	PPE's Waste, non-recyclable plastic waste	Operation waste	200	0	200	33.2	Collection, Storage, Transportation disposal to Land filling	<div>Complied. Hazardous waste disposal quantity is well within the given limit.</div> <table><tr><th colspan="2">PPE's Waste</th></tr><tr><th>Month</th><th>Quantity (MT)</th></tr><tr><td>Oct'24</td><td>0.000</td></tr><tr><td>Nov'24</td><td>0.000</td></tr><tr><td>Dec'24</td><td>0.000</td></tr><tr><td>Jan'25</td><td>6.450</td></tr><tr><td>Feb'25</td><td>0.000</td></tr><tr><td>Mar'25</td><td>0.000</td></tr></table>	PPE's Waste		Month	Quantity (MT)	Oct'24	0.000	Nov'24	0.000	Dec'24	0.000	Jan'25	6.450	Feb'25	0.000	Mar'25	0.000
PPE's Waste																								
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Feb'25	0.000																							
Mar'25	0.000																							
17	Contaminated Cotton Waste, Paper Waste, Contaminated Woods	Operation Waste	150	4	154	26.1	Collection, Storage, Transportation disposal to incineration	Complied.																
18	Stripper TOP containing organic content	Stripper	1095	0	1095	26.1	Collection, Storage, Transportation disposal to incineration/	<div>Complied. Stripper TOP containing organic content is not being generated during the reporting period.</div>																

							Co-Proces sing																	
19	Spent solvent	Process	35	0	35	26.1	Collection , Storage, Transport ation disposal to incinerati on/Co-Pro cessing or Approved Recycler.	Complied. Spent solvent is not being generated during the reporting period.																
20	Scrub Liquid	From NOx Scrubber	0	350 KL/ Year	350 KL/Year	--	Collection , Storage and treated at in-house ETP.	Complied. Presently the Unit is having Partial CCA. Scrub Liquid is not being generated during the reporting period.																
21	Insulation Waste	Maintenanc e	0	24	24	-	Collection , Storage, Transport ation disposal by at TSDF Site	Complied. Insulation waste disposal quantity is well within the given limit. <table><tr><th colspan="2">Insulation Waste</th></tr><tr><th>Month</th><th>Quantity (MT)</th></tr><tr><td>Oct'24</td><td>0.000</td></tr><tr><td>Nov'24</td><td>13.880</td></tr><tr><td>Dec'24</td><td>0.000</td></tr><tr><td>Jan'25</td><td>10.450</td></tr><tr><td>Feb'25</td><td>0.000</td></tr><tr><td>Mar'25</td><td>2.670</td></tr></table>	Insulation Waste		Month	Quantity (MT)	Oct'24	0.000	Nov'24	13.880	Dec'24	0.000	Jan'25	10.450	Feb'25	0.000	Mar'25	2.670
Insulation Waste																								
Month	Quantity (MT)																							
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Mar'25	2.670																							
22	Recycle Solvent	Process	212368	0	212368	26.1	Collection , Storage and utilized internal recovery in same process	Complied. Presently the Unit is having Partial CCA. Recycle Solvent is not being generated during the reporting period.																
Details of Non-Hazardous waste & it's disposal (MSW and others):																								
1	Fly Ash	Use of Coal	56590	0	56590	Sale to Brick Manufacturers, Construction activities and other end users.	Complied. Fly Ash disposal quantity is well within the given limit. <table><tr><th colspan="2">Fly Ash</th></tr><tr><th>Month</th><th>Quantity (MT)</th></tr></table>	Fly Ash		Month	Quantity (MT)													
Fly Ash																								
Month	Quantity (MT)																							

							<table><tr><td>Oct'24</td><td>98.310</td></tr><tr><td>Nov'24</td><td>107.540</td></tr><tr><td>Dec'24</td><td>132.920</td></tr><tr><td>Jan'25</td><td>129.180</td></tr><tr><td>Feb'25</td><td>124.580</td></tr><tr><td>Mar'25</td><td>129.180</td></tr></table>	Oct'24	98.310	Nov'24	107.540	Dec'24	132.920	Jan'25	129.180	Feb'25	124.580	Mar'25	129.180				
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Mar'25	129.180																						
2	Office Waste	Admin/ Office	30	0	30	Collection, Storage, Transportation, Registered recyclers	Complied. Office waste is being disposed of along with Mix waste for co-processing to cement industries.																
3	Insulation Waste	Plant and machinery	150	24	174	Collection, Storage, Transportation disposal by at TSDF Site.	Complied. Insulation waste disposal is given in Sr. no. 21 of condition no. 30 of A.4 section.																
4	E-waste/ Electrical waste	Plant and machinery	25	1	26	Collection, Storage, Transportation, Disposal by selling to authorized recyclers	Complied. E-waste disposal quantity is well within the given limit. <table><tr><th colspan="2">E-waste</th></tr><tr><th>Month</th><th>Quantity (MT) sent to authorized recycler</th></tr><tr><td>Oct'24</td><td>0.000</td></tr><tr><td>Nov'24</td><td>0.000</td></tr><tr><td>Dec'24</td><td>0.000</td></tr><tr><td>Jan'25</td><td>0.000</td></tr><tr><td>Feb'25</td><td>0.000</td></tr><tr><td>Mar'25</td><td>0.000</td></tr></table>	E-waste		Month	Quantity (MT) sent to authorized recycler	Oct'24	0.000	Nov'24	0.000	Dec'24	0.000	Jan'25	0.000	Feb'25	0.000	Mar'25	0.000
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Feb'25	0.000																						
Mar'25	0.000																						
5	Battery waste	Plant and machinery	100 Nos.	0	100 Nos.	Collection, Storage, Transportation, Disposal by selling to authorized recyclers	Complied. Battery waste is not disposed off during the reporting period.																
6	Bio-medical waste	Occupational health center	1	0.5	1.5	Collection, Storage, Transportation, Disposal to CBWTF- Incineration	Complied. Bio-medical waste disposal quantity is well within the given limit. <table><tr><th colspan="2">Bio-medical waste</th></tr><tr><th>Month</th><th>Quantity (Kg)</th></tr></table>	Bio-medical waste		Month	Quantity (Kg)												
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							<table><tr><td>Oct'24</td><td>0.200</td></tr><tr><td>Nov'24</td><td>0.250</td></tr><tr><td>Dec'24</td><td>0.220</td></tr><tr><td>Jan'25</td><td>0.150</td></tr><tr><td>Feb'25</td><td>0.000</td></tr><tr><td>Mar'25</td><td>0.220</td></tr></table>	Oct'24	0.200	Nov'24	0.250	Dec'24	0.220	Jan'25	0.150	Feb'25	0.000	Mar'25	0.220
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7	Glass Waste	Plant/lab/ Buildings	12	2	14	Collection, Storage, Transportation, disposal /sold to scrap processors	Complied. Glass waste is not generated during the reporting period.												
8	STP Waste (Sludge)	STP	120	0	120	Collection, Storage, Transportation, Disposal as manure.	Complied. STP waste is being utilized internally as manure in horticulture.												
31.	Authorized end-users shall have permissions from the concerned authorities under Rule 9 of Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016						Complied. Presently the Unit is generating HCl and internally utilizing the same for manufacturing of Calcium Chloride. In case of any breakdown in CaCl2 plant, unit is also selling it out to actual end-users having valid permissions from the concerned authorities under the Rule 9 and after executing MoU. Refer Annexure-20 for list of authorized end-users and MoU executed with them. Unit is also abiding by all the requirements prescribed in Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.												
32.	Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable & landfill wastes before sending to CHWIF & TSDF site respectively.						Complied. Unit is already following the co-processing of hazardous waste as the most preferred mode of disposal wherever possible. Please refer the compliance status of EC conditions No. 30												
33.	The unit shall submit the list of authorized end users of hazardous waste 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.						Complied. Presently the Unit is generating HCl and internally utilizing the same for manufacturing of Calcium Chloride. In case of any breakdown in CaCl2 plant, unit is also selling it out to actual end-users having valid permissions from the concerned authorities												

		under the Rule 9 and after executing MoU. Refer Annexure-20 for list of authorized end-users and MoU executed with them. Unit is also abiding by all the requirements prescribed in Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.
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A. 5	OTHER	
34	The project proponent shall allocate the separate fund of 2.5 Crore as committed before SEAC. The entire activities proposed under CER shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's no. F. No. 2265/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.	Complied. Kindly refer Annexure-21 for CSR/CER Activities carried out from Oct '24 to Mar'25.
35.	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s Jyoti Om Chemical Research Centre Pvt. Ltd. and submitted by project proponent and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Complied. All the recommendations / commitments made in the EIA report are being implemented.

B	GENERAL CONDITIONS	
B.1	CONSTRUCTION PHASE	
36.	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Complied. Unit has adopted best construction practices to safeguard the water consumption & reduce the demand.
37.	Project proponent 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. All construction materials are transported through tarpaulin covered trucks only. Regular water sprinkling is being done to control fugitive emission of dust.
38.	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied.

		<p>Adequate sanitary and hygienic measures has been provided at the site and will be maintained throughout the construction phase as per below:</p> <ul style="list-style-type: none"> • Clean up of jobsite after major tasks or at least daily; • Avoiding the build-up of hazardous, flammable, or combustible materials. Keeping walkways, stairs, and work areas clear. • Separate bathroom facilities are provided for male and female workers on a job site. Washing facilities on the site are provided for workers to wash their hands and avoid cross-contamination before eating, drinking or heading home for the day. Hence, workers can wash away harmful substances and use the washing area to service and decontaminate personal protective equipment (PPE).
39.	First Aid Box shall be made readily available in adequate quantity at all times.	<p>Complied.</p> <p>First Aid Boxes are available at prominent locations in adequate quantity.</p>
40.	The project proponent shall strictly comply with the Building and other Construction Workers (Regulation of Employment & Conditions of Service) Act,1996 and Gujarat rules made there and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	<p>Complied.</p> <p>The unit is strictly complying with the Building and other Construction Workers (Regulation of Employment & Conditions of Service) Act,1996 and Gujarat rules made there and their subsequent amendments.</p>
41.	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.	<p>Complied.</p> <p>Monthly Ambient Noise monitoring is being conducted by a MoEFF&CC recognized and NABL accredited laboratory. Month-wise results of ambient noise monitoring are provided in the Annexure-22. Ambient Noise Monitoring Report of Feb'25 is attached as Annexure-23 for reference.</p>
42.	Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	<p>Complied.</p> <p>All the DG are provided with Acoustic Enclosures. Monthly Noise monitoring is being conducted by a MoEFF&CC recognized and NABL accredited laboratory.</p>


		<p>Month-wise results of the DG Set monitoring are provided in the Annexure-17.</p> <p>The results of the DG Set monitoring for Feb'25 are attached as Annexure-24.</p>
43.	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	<p>Complied.</p> <p>Unit is sending all the generated domestic effluent to a dedicated sewage treatment plant located in the unit for proper treatment and solid waste is being properly collected, segregated and disposed of on regular frequency.</p>
44.	All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.	<p>Complied.</p> <p>All the top soil excavated during construction work is utilized in horticulture/ landscape development within the premises.</p>
45.	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balanced quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create adverse effects on neighbouring communities.	<p>Complied.</p> <p>All the top soil excavated during construction work is utilized in horticulture/ landscape development within the premises.</p>
46.	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	<p>Complied.</p> <p>Unit is using fly ash bricks, fly ash paver blocks for the construction purpose.</p>
47.	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	<p>Complied.</p> <p>Unit is sending 100 % of fly ash generated from the plant to brick manufacturers. Fly Ash Return 24-25 & MOU with the brick manufacturer is attached as Annexure-25.</p>
48.	"Wind - breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. Individual buildings within the project site shall also be provided with barricades.	<p>Complied.</p> <p>Temporary wind shielding along with barricades of adequate height had been provided along the periphery of the project site.</p>
49.	"No uncovered vehicles carrying construction material and waste shall be permitted."	<p>Complied.</p> <p>All construction materials are transported through tarpaulin covered trucks only. No uncovered vehicles carrying the construction material and waste are permitted in the plant.</p>
50.	"No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered. Uniform	<p>Complied.</p>


	piling and proper storage of sand to avoid fugitive emissions shall be ensured."	All construction materials are transported through tarpaulin covered trucks only. No uncovered vehicles carrying the construction material and waste are permitted in the plant.
51.	Roads leading to or at construction site must be paved and blacktopped (i.e. - metallic roads).	Complied
52.	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	Complied. No excavation of soil is being carried out without adequate dust mitigation measures in place. Utmost measures are being adopted to prevent dust at our construction sites before carrying out any excavation activity.
53.	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.	Complied.
54.	Grinding and cutting of building materials in open areas shall be prohibited.	Complied.
55.	Construction material and waste should be stored only within earmarked areas and road side storage of construction material and waste shall be prohibited.	Complied.
56.	Construction and demolition waste processing and disposal sites shall be identified and required dust mitigation measures be notified at the site. (If applicable).	Complied.
B.2	OPERATION PHASE	
B.2.1	WATER	
57.	Industry should provide a separate dedicated washing area for hand washing/bathing of workers and the wastewater generated from the same should-be taken into ETP.	Complied. Industry has provided a separate dedicated washing area for hand washing/bathing of workers and the wastewater generated from the same is being taken into ETP.
58.	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Complied. Unit receives water from the GIDC water supply. Water meters are installed and records are maintained.

		
59.	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.
B.2.2 AIR		
60.	In case of use of a spray dryer, the unit shall provide the adequate & efficient APCMs with the 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 a half yearly compliance report.	Not Applicable as the unit has not installed any spray dryer. The Unit has installed adequate & efficient air pollution control systems at other process vent & utility stack outlets to achieve the norms prescribed in the CC&A.
61.	Acoustic enclosure shall be provided to the D.G. sets(If applicable) to mitigate the noise pollution and conform to the EPA Rules for air and noise emission standards.	Complied. The unit has provided acoustic enclosure to all the DG Set to mitigate the noise pollution.
62.	Stacks/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	Complied. The Unit has installed adequate & efficient air pollution control systems at other process vent & utility stack outlets to achieve the norms prescribed in the CC&A.
63.	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&cc. At no time, emission level should go beyond the stipulated standards.	Complied. Unit is following the norms for flue gas & process gas emission as per the norms prescribed in the CC&A. The unit is carrying out stack analysis by a MoEF&CC recognised & NABL accredited laboratory. Refer compliance of condition 23 and 25 of A.3.

64.	All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied. The unit is conducting regular monitoring of Volatile Organic Compounds and records are maintained in Form No. 37 and the copy of the same is attached as Annexure-7 for your reference.
65.	Adequate Air Pollution Control Measures [APCM] shall be provided.	Complied. Adequate APCM is provided to all process and flue gas stacks as recommended by GPCB.
66.	The unit shall adhere to Sector specific guidelines/ SOP published by GPCB / CPCB from time to time for effective fugitive emission control. The Project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Complied. The unit will adhere to Sector specific guidelines/ SOP published by GPCB / CPCB from time to time for effective fugitive emission control.
67.	Unit shall take adequate measures to control odor nuisance from the industrial activities which may include measures like-use of masking agent with atomizer system (water curtain), closed / automatic material handling system, containment of the odor vulnerable areas etc.	Complied. Odor control measures are in place to control odor nuisance from specific activities.
68.	Unit shall provide wall to wall carpeting in vehicle movement areas within premises to avoid dusting.	Complied.
B.2.3 HAZARDOUS/SOLID WASTE		
69.	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.	Complied. Unit is strictly complying with the regulatory norms & maintaining the records with regards to handling and disposal of Hazardous waste in accordance with the Hazardous & Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Unit is strictly complying with all the conditions stipulated in our CC&A No. AWH-119949, date of issue: 05/07/2022 and CC&A amendment no. H-119950, date of issue: 05/08/2022, CCA amendment AWH-126636 dated 28/06/2023 valid till 30/04/2029. CCA amendment AWH-138793 dated 03/02/2025 valid till 30/04/2029
70.	Hazardous wastes shall be dried, packed and stored in a separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied. All the hazardous waste is stored in the designated storage area with a pucca bottom and proper leachate collection facility.

71.	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	Complied. Unit has taken necessary permission from the nearby TSDF site and CHWIF. Membership Certificates are attached as Annexure-26 .
72.	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 following the Motor Vehicle Act, 1988 and rules for the vehicles transporting hazardous waste. Waste is sent by Manifest System through Dedicated Hazardous waste vehicle with an active AIS-140 GPS system.
73.	The design of the Trucks/tankers shall be such that there is no spillage during transportation.	Complied.
74.	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied. Unit is already following the co-processing of hazardous waste as a mode of disposal wherever possible.
75.	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.	Complied. Unit is sending 100 % of fly ash generated from the plant to brick manufacturers. Fly Ash Return 24-25 & MOU with the brick manufacturer is attached as Annexure-25 .
76.	unit shall carry out transportation of hazardous wastes through GPS mounted vehicles only for disposal at TSDF/CHWIF, co-processing and end-users having Rule-9 permission.	Complied. Unit is sending the Hazardous waste in a vehicle which has an AIS 140 GPS system.
77.	The by-products which fall under the purview of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 shall be handled as per the said rules and necessary permissions from the concerned authority shall be obtained.	Complied.
78.	Unit shall submit the list of authorized end users of above mentioned wastes along with MoU Signed With them at least two months in advance prior to commencement of production. In absence of potential buyers of these items, the unit shall restrict the production of respective items.	Complied. Unit has submitted the list of authorized end users of hazardous waste along with a MoU signed with them to the board on XGN portal.
79.	Industry shall dispose its hazardous wastes through co-processing, pre-processing to the extent possible prior its disposal to incineration/ landfill as per provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.	Complied. Unit is already following the co-processing of hazardous waste as a mode of disposal wherever possible.
B.2.4 SAFETY		

80.	The occupier/manager shall strictly comply with the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.	<p>Complied.</p> <p>Unit has obtained a valid Factory License (License No. 15402, valid upto 31st December, 2025). Factory License is attached as Annexure-9 for reference.</p>
81.	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended from 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.	<p>Complied.</p> <p>The company is strictly complying with the rules and regulations under Manufacture, Storage and Impact of Hazardous Chemicals Rules, 1989 as amended.</p> <p>Following measures are taken:</p> <ul style="list-style-type: none"> • PESO License obtained from DISH • Plan approval from DISH • Factory license obtained from DISH • MSDS for all chemicals • A mutual aid agreement to render all emergency services. • On site emergency plan (attached as Annexure-27) and offsite mutual aid. (attached as Annexure-28) • PLI Policy (attached as Annexure-29)
82.	Main entry and exit shall be separate and clearly marked in the facility.	<p>Complied.</p> <p>Main entry and exit of plant premises are separate.</p>  <p style="text-align: center;">Manpower Entry/Exit Gate</p>

		 <p style="text-align: center;">Vehicle Entry/Exit Gate</p>
83.	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	<p>Complied.</p> <p>A clear margin excluding greenbelt has been provided for free movement of fire tender/ emergency vehicles around the premises.</p>
84.	Storage of flammable chemicals shall be sufficiently away from the production area.	<p>Complied.</p> <p>Dedicated storage facility of flammable chemicals provided at safer distance from production area as per PESO approval.</p>
85.	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	<p>Complied.</p> <p>Sufficient no. of fire extinguishers are provided near the plant and storage area.</p>
86.	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.	<p>Complied.</p> <p>All necessary precautionary measures are taken to avoid any kind of accident during storage and handling of toxic/hazardous chemicals. HAZOP and Risk assessment system is in place. Induction/Refresher/specific training system is carried out on a regular basis for all employees.</p> <p>Sufficient PPE like Helmet, Goggles, Safety Belt, Ear Plug, PVC Apron, Dust Mask, Rubber Gloves etc has been provided to all the workers and necessary care is taken to assure strict usage of PPEs.</p>
87.	All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	<p>Complied.</p> <p>All the toxic/hazardous chemicals are stored in optimum quantity and all necessary permissions in this regard are obtained before</p>

		commencing the expansion activities. Maintaining the storage concept.
88.	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	Complied. Unit is strictly complying with all the mitigation measures and safeguards that are suggested in the Risk Assessment report.
89.	Only flame proof electrical fittings shall be provided in the plant premises.	Complied. Only flameproof electrical fittings are provided in the plant premises. Unit has carried out Hazardous area classification through an external competent agency i.e Vision Power Facts, Mumbai. The cover page of the same is attached as Annexure-12
90.	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.	Complied. Unit is ensuring minimum storage of hazardous chemicals. Most of our raw materials are handled through small capacity tanks/containers.
91.	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.	Complied. <ul style="list-style-type: none"> • Dyke walls have been provided for all storage tanks. • Closed loops systems to transfer the materials to avoid leakage/ spillage. • Level transmitter/Level gauge provided to hazardous chemical storage tanks to avoid overflow. • Breather valve/safety valve/flame arrestor provided to hazardous chemical storage tanks as appropriate. • Close monitoring through the DCS panel. • Maximum allowable storage level is 80% of total capacity. • Hazardous chemical storage areas are fenced properly to avoid unauthorized entry.
92.	Handling and charging of the chemicals shall be done in a closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	Complied. Unit strictly follows all the standards for handling and pumping or vacuum transfer of chemicals for reduction of human exposure.
93.	Tie up shall be done with a nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.	Complied Unit has tied up with nearby health care units. (Jayaben Modi Hospital, 32 Kms)

		<p>Furthermore, Mutual Aid Agreement is done with neighboring industries for mutual help in the case of emergency.</p> <div><div><p>AGREEMENT FOR MUTUAL AID</p><p>This agreement is made at Jhargana Industrial estate, Jhargana, Dist. Bhubaneswar on 1st September 2018 between the following companies.</p><table><thead><tr><th>Sr No</th><th>Name of the company</th><th>Address for communication</th></tr></thead><tbody><tr><td>1</td><td>UPL Ltd (Unit 5)</td><td>Unit 5, 1st Phase, 740 / 750 / 750C, Jhargana Dist. Bhubaneswar District</td></tr><tr><td>2</td><td>CCM Bhubaneswar Ltd (CCM Bhubaneswar & Chemicals)</td><td>CCM Bhubaneswar Ltd, 740 / 750C, Industrial Estate, Jhargana Dist. Bhubaneswar District</td></tr><tr><td>3</td><td>LAKSHMI INDUSTRIES</td><td>Plot No. 744/2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 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1000</td></tr></tbody></table></div><div><p>MUTUAL AID AGREEMENTS</p><p>As per guidelines of Factories Act and Director of Industries Safety and Health, we members of the letter signed by Jhargana Industrial Estate, Jhargana District, Bhubaneswar, Odisha, have agreed to provide mutual aid and assistance to each other in the case of emergency arising due to fire, gas leak, explosion and other incidents.</p><p>We agree to provide equipment and manpower for controlling fire and explosion and also to share resources for fire and explosion emergency response, communication and rescue. The cost of equipment and manpower shall be shared equally among the members.</p><p>We also agree to share and update information relating to emergency response in accordance with the guidelines.</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. BHUBANESWAR, ODISHA</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. BHUBANESWAR, ODISHA</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. BHUBANESWAR, ODISHA</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. BHUBANESWAR, ODISHA</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. BHUBANESWAR, ODISHA</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. BHUBANESWAR, ODISHA</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. BHUBANESWAR, ODISHA</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. BHUBANESWAR, ODISHA</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. BHUBANESWAR, ODISHA</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. BHUBANESWAR, ODISHA</p><p>FOR JHARGANA INDUSTRIAL ESTATE, JHARGANA DIST. 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Bhubaneswar District	3	LAKSHMI INDUSTRIES	Plot No. 744/2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000
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2	CCM Bhubaneswar Ltd (CCM Bhubaneswar & Chemicals)	CCM Bhubaneswar Ltd, 740 / 750C, Industrial Estate, Jhargana Dist. Bhubaneswar District												
3	LAKSHMI INDUSTRIES	Plot No. 744/2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000												

		<p>copies of Form-32 & 33 as prescribed in Gujarat Factory Rules are enclosed as an Annexure-30. Medical Examination of all company employees and contractual Employees was carried out in March 2024. including following medical tests.</p> <ul style="list-style-type: none">• General checkup (height, weight, pulse, BP etc)• Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count etc)• Urine test (physical, chemical and microbial examination etc)• Vision test• Pulmonary function test, etc. <p>Details of periodical health surveillance of the workers is given below:</p> <table><tr><th>Month of surveillance</th><th>Total no. of Person Examined</th></tr><tr><td>Oct'24</td><td>724 (Employee) + 644 (Contract)</td></tr></table> <p>Records of Medical Check up are maintained.</p>	Month of surveillance	Total no. of Person Examined	Oct'24	724 (Employee) + 644 (Contract)
Month of surveillance	Total no. of Person Examined					
Oct'24	724 (Employee) + 644 (Contract)					
99.	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Complied. Transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act.				
100.	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied. Unit has implemented all the mitigation and recommendations mentioned in the EIA report.				
101.	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Complied. Necessary permission has been taken from PESO. Factory Licence has been obtained from Factory Inspectorate (DISH), Govt. of Gujarat.				
102.	Effective safety precautions shall be taken for chemical storage, process handling and transportation hazard.	Complied Effective safety precautions are being taken for chemical storage, process handling and transportation hazards.				
103.	Unit shall prepare and implement SOP for safe operation of the works.	Complied				
104.	Comply the statutory provision of safety audit & its compliance report	Complied.				

		A safety audit report along with its compliance is being submitted to the DISH office regularly. The last safety report was submitted on 09.08.2024 which is attached as Annexure-31 .
105.	Effective steps shall be taken for prevention of fire, explosion & toxic release.	Complied Effective steps are being taken for prevention of fire, explosion & toxic release.
B.2.5 NOISE		
106.	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. Adequate measures are being taken to keep ambient noise well within the prescribed limits. Monthly Ambient Noise monitoring is being conducted by a MoEFF&CC recognized and NABL accredited laboratory. Month-wise results of ambient noise monitoring are provided in the Annexure-22 . Ambient Noise Monitoring Report of Mar '24 is attached as Annexure-23 for reference.
B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION		
107.	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.	Noted and will be complied

108.	<p>The company shall undertake various waste minimization measures such as :</p> <ol style="list-style-type: none"> Metering and control of quantities of active ingredients to minimize waste. Reuse of by-products from the process as raw materials or as raw materials substitutes. Use of automated and close filling to minimize spillages. Use of a close feed system into batch reactors. Venting equipment through vapour recovery system. Use of high pressure hoses for cleaning to reduce wastewater generation. Recycling of washes to subsequent batches. Recycling of steam condensate. Sweeping / mopping the floor instead of floor washing to avoid effluent generation. Regular preventive maintenance for avoiding leakage, spillage etc. 	<p>Complied.</p> <p>Unit is undertaking all the measures for waste minimization.</p> <ul style="list-style-type: none"> All the liquid ingredients are being charged through measure vessels and/or flow meters to control on quantity as per the stoichiometry. All the solid ingredients are charged after proper weighment only. All these meters and weighing machines are calibrated and records are maintained. Recovered solvents are being used as raw material in further steps. Filling is done on weighing balance manually but in controlled manner to minimize spillage. All reactors are in a closed loop and connected with condensers. All the reactors are equipped with vents/stacks, which are connected to either vapor recovery system consisting of condensers, ejector/vacuum pumps and/or scrubbers Many equipment like reactors, condensers wherever necessary are being cleaned with high pressure sparger/jet to reduce waste water generation. Preventive Maintenance of Equipment is being carried out as per Standard Operating Procedure.
B.2.7 GREEN BELT AND OTHER PLANTATION		
109.	<p>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.</p>	<p>Complied.</p> <p>Presently the unit has developed Green Belt of approx. 14778 m² within the premises & approx 40428 m² is developed at revenue survey plot No. 122. Total 55206 m² i.e. 24.51% green belt area has been developed till date.</p> <p>Unit has started developing the remaining green belt at revenue survey plot No. 123 & 109 (approx 22055 m²). After development of the remaining green belt, total green belt area would be 77261 m² . i.e. 34.30% of the total plot area.</p>
110.	<p>Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.</p>	<p>Complied.</p>

		We are using a low-volume, low-angle sprinkler system for the green belt development within the premises.
B.3	OTHER CONDITIONS	
111.	SEAC has accepted that there will not be any additional pollution load after the merger of the ECs.	Noted.
112.	New EC order should be based on the total combined statement with implementable conditions superseding the old ECs.	Noted.
113.	Wherever waste water or chemical water to be collected by tankers and transported to CETP etc. any diversion and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law.	Noted.
114.	All transport movement by tankers etc has to be done with maintenance of gate pass and logbook it should be verified by the inspection authorities.	Noted & Complied. All transport movement by tankers etc is done with maintenance of gate pass and logbook.
115.	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.
116.	All chemical pharma industry etc. should ensure predictive and preventive maintenance of factory / boiler and reactive show as lo avoid incident bf fire and safety hazards	Complied.
117.	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 & Complied.
118.	In LDAR preventive and predictive maintenance plan.	Complied. Unit is adhering to internal guidelines for LDAR prepared based on the MoEF notification G.S.R.186 (E): Fugitive emission.
119.	In LDAR leakage component, source of equipment leak, detention method should be given in table form.	Complied. Unit is adhering to internal guidelines for LDAR prepared based on the MoEF notification G.S.R.186 (E): Fugitive emission. LDAR Monitoring report for the period (Oct '24 to Mar'25) is attached as Annexure-3 .
120.	In storage, components should be shown separately in terms whether inflammable, toxic, corrosive, reactive etc.	Complied.
121.	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. Unit is sending 100 % of fly ash generated from the plant to brick manufacturers. Fly Ash Return

		24-25 & MOU with the brick manufacturer is attached as Annexure-25 .
122.	Project proponent (PP) shall install CEMS continuous Emission Monitoring System in line to CPCB directions to all SPCB vide letter no. & 29016/04/06PCL-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 bases. [For small/Large/Medium (Red category) & whichever (Air emission & Effluent discharge) is applicable.	Complied. The unit has installed and connected required OCEMS to CPCB & GPCB for continuous monitoring of effluent discharge. Screenshots of the CPCB & GPCB portal are attached as Annexure-4
123.	Project proponent shall install all environment management systems as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.	Complied. All environment management systems are installed as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.
124.	Project proponent shall display the copy of Environment Clearance at the site prominently.	Complied.
125.	Project proponent shall prepare and follow regular and preventive maintenance plans. The copy of the same shall be submitted to SEIAA.	Complied.
126.	Project Proponent will have to display the safety procedure in the working area.	Complied.
127.	The project proponent shall obtain all required permissions for safety, health and fire from competent authorities like PESO/Fire Authority etc. and intimate SEIAA.	Complied.
128.	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.
129.	Extra care will be taken by PP to avoid any accidental blast in the boiler, reactor or any machinery in the plant.	Complied.
130.	Environment monitoring, training and disaster management plans should be undertaken and complied at regular interval.	Complied. Environment monitoring, training and disaster management plan is being undertaken and implementation is ensured at regular intervals.
131.	Integrated Regional Office of MoEF&CC,Gandhinagar and GPCB will monitor all environment, safety & health norms as per the prevailing rules.	Noted.
132.	The PP has to maintain the logsheets / registers / manifest / gate pass for discharge through tankers and SCADA system for pipeline discharge for the waste water generation and its disposal data and submit to the GPCB every quarter. quarter. GPCB shall verify the same on a regular	Complied.

	basis and inform SEIAA and take legal action in case of non compliance.	
133.	Unit shall comply all the applicable standard conditions prescribed in Office Memorandum published by MoEF&CC	Noted
133.	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-IA.III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no. XX).vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no XX)	Complied.
134.	The provisions of the Solid Waste Management Rules 2016, e waste (management) Rules, 2016, the Construction and Demolition Waste management Rules, 2016 and the Plastics Waste management Rules, 2016 shall be followed.	Complied.
135.	Rainwater harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	Complied. Unit assures to provide rain water harvesting at all possible locations & shall reuse the water after pre-treatment.
136.	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 will 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 Government / GIDC.
137.	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. Unit has installed solar panels at appropriate locations within the premises.
138.	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Complied. Dedicated green belt area is embarked for plantation.
139.	All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Complied. Unit assures to comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
140.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent	Complied. Unit assures to comply with any additional conditions that may be imposed by the SEAC or

	authority for the purpose for the environmental protection and management.	the SEIAA or any other competent authority for the purpose of environmental protection and management.
141.	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. Unit has provided the system to close down the operation in the event of failure of any pollution control equipment.
142.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority,	Noted & Complied Unit is adhering to stipulations of Gujarat Pollution Control Board.
143.	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Complied. Unit has provided a garland drain to avoid spillage mixing with stormwater.
144.	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 is provided in the areas of chemical handling to prohibit soil contamination.
145.	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	Complied. Unit is using only mechanical seal pumps in order to avoid the leakages.
146.	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. The unit will take EC amendment if further expansion or modifications in the plant.
147.	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. Unit has complied with all the requirements as per the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous & Other Waste (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules. • PLI Policy (attached as Annexure-29)
148.	The project proponent shall comply with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014 and its amendments from time to time in a letter and spirit.	Complied. The Unit is doing socioeconomic developmental/community welfare activities in surrounding areas. Kindly refer Annexure-21 for CSR/CER Activities carried out from Oct '24 to Mar'25.

149.	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 proposed by project proponent.	Complied. Unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report.
150.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied
151.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied. Unit has informed the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA / SEAC / GPCB. The advertisement was published in Times of India Edition (in English) and Narmada Bhaskar (in Gujarati) on 07 th June 2022. A copy of the same is attached as Annexure-32 .
152.	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 authority concerned, on 1st June and 1st December of each calendar year.	Complied. Unit is submitting the six monthly compliance reports regularly. The last compliance report was submitted on 29.11.2024 for the period of Apr-'24 to sept-24 on the PARIVESH portal. A copy of the same is attached as Annexure-33 .
153.	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. Unit assures the authority that no False/Fabricated data has been submitted herewith.
154.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied Unit is adhering to stipulations of Gujarat Pollution Control Board.
155.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
156.	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.	Complied. Unit is implementing these conditions in a time bound manner.

157.	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.	Not Applicable as the Unit has not taken any loan from any bank. The project was self financed.
158.	This environmental clearance is valid for seven years from the date of issue.	Noted.
159	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.
160	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. Unit assures the authority that no False/Fabricated data has been submitted herewith.
B.4	COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION/APPEAL:	
161.	Project proponent shall inform all the concerned authorities including Municipal Corporation and District Collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.	Complied. Unit has informed the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA / SEAC / GPCB. The advertisement was published in Times of India Edition (in English) and Narmada Bhaskar (in Gujarati) on 07 th June 2022. A copy of the same is attached as Annexure-32 .
162.	Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.	Complied
163.	Designated key persons shall submit six monthly compliance reports to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.	Complied. Unit is submitting the six monthly compliance reports regularly. The last compliance report was submitted on 29.11.2024 for the period of Apr-'24 to sept-24 on the PARIVESH portal. A copy of the same is attached as Annexure-33 .
164.	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 compliance of environment clearance conditions.	Noted.
165.	In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act,	Noted.

	1986 including SEIAA may cancel, withdraw or keep in abeyance, the Environment Clearance accorded.	
166.	Any person including the project proponent affected by this Environment Clearance order may file an appeal to the 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.
167.	All complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a)msseiaagj@gmail.com& (b) seacgujarat@gmait.com	Noted.

**Environment Compliance Report of
EC File No. SEIAA/GUJ/EC/5(f)/1161/2021
Dated 02/07/2021**

Environment Clearance Compliance report for period October 24 to March 25

File No.: SEIAA/GUJ/EC/5(f)/1161/2021 Dated 02/07/2021

Sr. No:	Name of the Products	CAS No:	Capacity in MT / Year			End use of Products	Compliance
			As per existing EC	Proposed increase / decrease capacity	Total after expansion		
1	Hydrogen Gas	1333-74-0	3000 Nm3/Hr	0	3000 Nm3/Hr	Used in hydrogenation and reduction, preparation of AIPs such as anti-pyretic, anti-histaminic, anti-inflammatory, etc.	Complied. Please refer production details as mentioned in EC File No. SEIAA/GUJ/EC/5(f)/1470/2022. The production quantity is well within the permitted capacity.
2	Purification of O/P/M Phenylene Di Amine	-	18000	0	18000	Dyes, Dye intermediate s, Basic pharma intermediate s, Pigments, Polymer	
3	Calcium Chloride (Solid)	10043-52-4	72000	48000	120000	Oil exploration and used for Brine solution	

I.A	Group I.A - Chlorination Products and Its Derivatives: 90000 MT/ Year						
1	Mono Chloro Benzene (MCB) Either / OR	108-90-7	72000	18000	90000	Dyes, Dye intermediate s, Basic pharma intermediate s, Pigments, Polymer	Complied. Please refer production details as mentioned in EC File No. SEIAA/GUJ/EC/5(f)/14 70/2022. The production quantity is well within the permitted capacity.
2	Ortho Di Chloro Benzene (ODCB)/ Para di Chloro Benzene (PDCB)/ Meta Di Chloro Benzene (MDCB) Either / OR	95-50-1/ 106-46-7/ 541-73-1					
3	123/ 124 Tri Chloro Benzene (TCB) Either/ OR	87-61-6/ 120-82-1					
4	Ortho Chloro Toluene (OCT)/ Para chloro toluene (PCT) Either/ OR	95-49-8/ 106-43-4					
5	2- Chloro 4- Nitro Toluene Either/ OR	121-86-8					
6	6- Chloro 2- Nitro Toluene / 4-Chloro 2-Nitro Toluene Either/ OR	83-42-1/ 89-59-8					
7	Crude of All above Group I.A (Sr. No: 1-6 Chlorination products)	--	0	90000			
I.B	Group I.B- Chlorination Products and Its Derivatives: 7200 MT/Year						
1	2,4,6 Tri Chloro Aniline (TCAN) Either/OR	634-93-5	72000	-64800	7200	Dyes, Dye intermediate s, Basic pharma intermediate s, Pigments, Polymer	Complied. Please refer production details as mentioned in EC File No. SEIAA/GUJ/EC/5(f)/14 70/2022. The production quantity is well within the permitted capacity.
2	2,6 Di Chloro Para Nitro Aniline (2,6 DCPNA) Either/OR	99-30-9	0	7200			
3	2,4 Di Chloro Ortho Nitro Aniline (2,4 DCONA) Either/OR	2683-43-4					
4	2, 4 Di Chloro Aniline Either/OR	554-00-7					

5	Crude of All above Group 1. B (Sr. No. 1-4 Chlorination products)	--					
II.A	Group II.A- Hydrogenated Products and Its Derivatives: 60000 MT/Year						
1	Ortho Toluidine/ Para Toluidine/ MetaToluidine Either/OR	95-53-4/ 0/ 0	36000/ 0/ 0	2400/ 60000/ 60000	60000	Dyes, Dye intermediate s, Basic pharma intermediate s, Pigments, Polymer	Complied. Please refer production details as mentioned in EC File No. SEIAA/GUJ/EC/5(f)/14 70/2022. The production quantity is well within the permitted capacity.
2	Meta Chloro Aniline /Ortho Chloro Aniline / Para Chloro Aniline Either/OR	108-42-9/ 95-51-2/ 106-47-8	36000	24000			
3	3,4 Di Chloro Aniline / 2,3 Di Chloro Aniline / 2,5 Di Chloro Aniline Either/OR	95-76-1/ 608-27-5/ 95-82-9					
4	2,4 Di Chloro Aniline / 2,6 Di Chloro Aniline / 4,5 Di chloro Anilin� Either/OR	554-00-7/ 608-31-1/ 626-43-7					
5	3,4 Di Amino Di Phenyl Ether / 4,4 Di amino Di phenyl Ether Either/OR	2657-87-6/ 101-80-4					
6	Ortho Anisidine/ Para Anisidine/ Meta Anisidine Either/OR	90-04-0/ 104-94-9/ 536-90-3					
7	Chloro Fluoro Aniline Either/OR	367-21-5	36000				
8	Ortho Cumidine / Para Cumidine / Meta Cumidirie Either/OR	643-28-7/ 99-88-7/ 5369-16-4					
9	ToluidinesEither/OR	95-53-4					
10	Aniline/ Either/OR	82-53-3					
11	Para Fluoro Aniline / Meta Fluoro Aniline / Ortho Fluoro Aniline Either/OR	371-40-4/ 372-19-0/ 348-54-9					
12	1, 3 Di Fluoro Aniline/ 2,4	367-25-9	36000/ 0	24000/ 60000			

	Di Fluoro Aniline Either/OR						
13	1,3 Di Fluoro Benzene Either/OR	072-18-9	36000	24000			
14	4-Fluoro-N- isopropyl Aniline Either/OR	70441-63-3					
15	4-Chloro-N- Isopropyl Aniline Either/OR	770-40-1					
16	2,3,4 Tri Fluoro Aniline Either/OR	3862-73-5	0	60000			
17	Crude of All above Group II. A (Sr. No. 1- 16 Hydrogenation products)	--					

II.B	Group II.B- Hydrogenated Products and Its Derivatives: 36000 MT/Year						
1	2,4,5 Tri Chloro Aniline Either/OR	636-30-6	36000	0	36000	Dyes, Dye intermediate s, Basic pharma intermediate s, Pigments, Polymer	Complied. Please refer production details as mentioned in EC File No. SEIAA/GUJ/EC/5(f)/147 0/2022. The production quantity is well within the permitted capacity.
2	Meta Phenylene Di Amine/ Ortho Phenylene Di Amine/ Para Phenylene Di Amine Either/OR	108-45-2/ 95-54-5/ 106-50-3					
3	Para Amino Phenol/ Meta Amino Phenol Either/OR	123-30-8/ 591-27-5					
4	Crude of All above Group II. B (Sr. No.1-3 Hydrogenation products)	--	0	36000			
III	Nitration Products nd Its Derivatives: 24000 MT/Year (expect 4NPI-12000 MT/Year)						
1	3,4 Di Chloro Nitro Benzene/ 2,5 Di Chloro Nitro Benzene/ 2,3 Di Chloro Nitro Benzene Either/OR	99-54-7/ 89-61-2/ 3209-22-1	24000	0	24000	Dyes, Dye intermediate s, Basic pharma intermediate s, Pigments, Polymer	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products.

2	2,4,5 Tri Chloro Nitro Benzene/ 2,3,4 Tri Chloro Nitro Benzene Either/OR	89-6e-0/17700-09-03					
3	Crude of All above Group III. (1-2 Nitration products)	--	0	24000			
4	4-Nitro N-methyl Phthalimide (4NPI) Either/OR	41663-84-7	24000	-12000	12000		
5	Crude of 4-Nitro N-methyl Phthalimide (4NPI)	--	0	12000			
IV	Nitro Anisoles Products and Its Derivatives: 14400 MT/Year						
1	Ortho Nitro Anisole Either/OR	91-23-6	14400	0	14400	Dyes, Dye intermediate s, Basic pharma intermediate s, Pigments, Polymer	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products
2	Para Nitro Anisole Either/OR	100-17-4					
3	Crude of All above Group IV. (1-2 Nitro Anisol products)	--	0	14400			
V	De-Nitro Chlorination Products and Its Derivatives: 14400 MT/Year						
1	2,6 Di Chloro fluoro Benzene Either/OR	2268-05-05	14400	0	14400	Dyes, Dye intermediate s, Basic pharma intermediate s, Pigments, Polymer	Complied. Please refer production details as mentioned in EC File No. SEIAA/GUJ/EC/5(f)/1470/2022. The production quantity is well within the permitted capacity.
2	2,6 Di Chloro Benzo nitrile Either/OR	1194-65-6					
3	Meta Di chloro Benzene Either/OR	541-73-1					
4	2,4 Di fluoro Chloro Benzene Either/OR	1435-44-5					
5	2,4 Di chloro Fluoro Benzene Either/OR	1435-48-9					
6	1.3 Dichloro 4,6 Difluorc Benzene/ 1,5 Dichloro 2,4 Difluoro Benzene Either/OR	2253-30-7					
7	Crude of All above Group V (Sr. No. 1-6 De Nitro Chlorination products)	--	0	14400			

VI	DAPBI 2. (4-amino phenyl) - 1 H- benzo (d) imidazol - 5- amine	7621-86-5	0	756	756	Polymer	
VII	Concentrated Nitric Acid from Dilute Nitric Acid (CNA from DNA)	7697-37-2	0	108000	108000	Various applications in chemical industries.	
	Total		3000 NM3/Hr + 250800 MT/Annum	242256 MT/Ann um	3000 Nm3/Hr + 492756 MT/An num		
By-Products							
1	Steam (By product)	--	136.56 KL/Day	0	136.56 KL/Day		Complied. Please refer production details as mentioned in EC File No. SEIAA/GUJ/EC/5(f)/147 0/2022. The By-product generation is well within the permitted capacity.

A	CONDITIONS	
A.1	SPECIFIC CONDITION	Status
1	Unit shall install CEMS (Continuous Emission Monitoring System) in line to CPCB directions to all SPCB vide letter no. B-29016/04/06PCI-1/5401 dated 05/02/2014 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB/CPCB on real time basis. (For small/Large/Medium (Red Category) and Whichever (Air emission and Effluent discharge) is applicable].	Complied. The unit has installed and connected required OCEMS to CPCB and GPCB for continuous monitoring of effluent discharge. Please refer to the compliance of condition no. 6 of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

2	All measures shall be taken to prevent soil and groundwater contamination.	Complied. Please refer to the compliance of condition no. 10 of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
3	The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16 th November, 2009 shall be complied with.	Complied. Unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) covering all the parameters at upwind and downwind location (at 3 specific locations) by a MoEFandCC approved and NABL Accredited laboratory. All results are well within the prescribed limits. Please refer to the compliance of condition no. 7 of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
4	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G. S. R. (E) dated 21/07/2010 and amended from time to time shall be followed.	Complied. The unit is conducting regular monitoring of Volatile Organic Compounds and records are maintained in Form No. 37. Please refer to the compliance of condition no. 8 of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
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 and consistency with the same.	Complied. Unit is complying with the area specific policies of GPCB with respect to the discharge of pollutants.
6	The project proponent must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government and/or any other statutory authority.	Complied Unit is adhering to stipulations of Gujarat Pollution Control Board.

7	<p>The PP shall develop green belt within premises (26,257 Sq m (14.39 percentage) within premises + 34,153 Sq. m (18.71percentage) at plot having survey No: 122 GIDC Jhagadia equal Total 60,410 i.e. 33.10 percentage of the total plot area) as committed 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.</p>	<p>Complied.</p> <p>The unit has developed Green Belt as per CPCB guidelines within as well as outside the premises and will be continuing necessary activities to continue raising the green belt area.</p> <p>Please refer to the compliance of condition no. 109 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
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8	Safety and Health	
a	<p>PP shall obtain PESO permission for the storage and handling of hazardous chemicals.</p>	<p>Complied.</p> <p>Dedicated storage facility of flammable chemicals provided at safer distance from production area as per PESO approval.</p> <p>Please refer to the compliance of condition no. 12(a) of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
b	<p>PP shall provide Occupational Health Centre (OHC) as per the provisions under the Gujarat Factories Rule 68-U.</p>	<p>Complied.</p> <p>Unit has provided an Occupational Health center within the site as per the provision under the Gujarat Factories Rule 68-U and the same is being operated under the supervision of a qualified Factory Medical Officer (FMO) and nurses.</p> <p>Please refer to the compliance of condition no. 12(b) of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
c	<p>PP shall obtain fire safety certificate / Fire No-Objection certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.</p>	<p>Complied.</p> <p>Unit has obtained a valid Factory License.</p> <p>Please refer to the compliance of condition no. 12(c) of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
d	<p>Unit shall adopt functional operational process automation system including emergency response to eliminate risk associated with the hazardous processes.</p>	<p>Complied.</p> <p>Unit has adopted an operational process automation system like DCS for operation, monitoring and control. Other auxiliary systems are also controlled through PLC and SCADA (wherever required). Additionally, process safety devices like PSVs (Pressure safety valves), safety interlocks, emergency on/off buttons, LEL</p>

		detectors, automatic sprinkler systems etc are integral part of automation systems for early detection of emergency and eliminating the risk.
e	PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.	Complied. Unit regularly conducts mock drills within the premises. Please refer to the compliance of condition no. 12(e) of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
f	PP shall install adequate fire hydrant system with foam trolley attachment within premises and separate storage of water for the same shall be ensured by PP.	Complied. Unit has adequately provided fire hydrant system with dedicated Fire Water Storage. Please refer to the compliance of condition no. 12(f) of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
g	PP shall take all the necessary steps for control of storage hazards within premises ensuring incompatibility of storage raw material and ensure the storage keeping safe distance as per the prevailing guidelines of the concerned authority.	Complied. All materials are stored as per approved compatibility matrix. Moreover, dedicated storage facility of flammable chemicals and hazardous chemicals provided at safer distance from production area as per PESO approval.
h	PP shall take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker/employee or labor within premises	Complied. All measures are being taken to avoid any accidents. Mandatory use of appropriate PPEs like Safety shoes, Safety goggles, Helmet, gloves, cartridge mask, ear plug/muff etc. is ensured so that no harm is caused to any worker/employee.
i	Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.	Complied. Necessary flameproof fittings are provided in production plants as per the hazardous area classification. Please refer to the compliance of condition no. 12(i) of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
j	Unit shall never store drum/barrels/carboys of incompatible material/chemical together.	Complied. All materials are stored as per approved compatibility matrix.

k	Unit shall provide effective Isolation for Process area and storage of hazardous chemicals.	Complied. Storage of flammable and hazardous chemicals is away from the production area.
l	Unit shall provide safety valve and rupture disc to the Hydrogenation vessel.	Complied. Unit has provided safety valve and rupture disc in all Hydrogenation vessel.
m	Unit shall provide chlorine leakage control emergency kit and FRP hood with scrubber system for chlorine safety.	Complied. Unit has provided FRP hood with scrubber system and emergency kit for controlling chlorine leakage and handling any emergency. Presently chlorine is supplied through pipelines.
n	Unit shall provide safety valve and rupture disc, as well as auto dump or auto quench/ suppress system for nitration vessel safety.	Complied. Unit shall provide safety valve and rupture disc, as well as auto dump or auto quench/ suppress system for nitration vessel safety during the installation of plant. Unit is yet to obtain CC&A for nitration products.

A.2	WATER	
9	Total water requirement for the project shall not exceed 7439.28 KLD. Unit shall reuse 2108.28 KLD of treated industrial effluent within premises. Hence, fresh water requirement shall not exceed 5331 KLD and it shall be met through GIDC water supply only. Prior permission from concerned authority shall be obtained for withdrawal of water.	Complied. The stated condition has been amended. Water Consumption is consumed by the unit in accordance with the compliance of condition no. 13 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
10	The industrial effluent generation from the project shall not exceed 2260 KLD.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 15 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

11	Industrial effluent shall be segregated into two streams (1) High COD and TDS effluent (2) Low COD and TDS effluent and it shall be managed as below.	
>	High COD and TDS effluent (1244 KLD):	
	1073 KLD, High COD and TDS effluent from process, washing, scrubber and reaction and 171 KLD, industrial effluent from M/s Aarti Industries Ltd (Unit-III) shall be treated in ETP consists of primary treatment units. Out of 1243 KLD treated effluent, 540 KLD shall be discharge in NCTL, pipeline and 703 KLD shall be further treated within premises	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 16 and 17 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
>	Low COD and TDS effluent (1719 KLD):	
	703 KLD, treated effluent, 956 KLD, Low COD effluent from utilities and 60 KLD, Industrial effluent from M/s Aarti Industries (Unit-III) shall be treated in RO. 1375 KLD, RO permeate shall be reused within premises and 344 KLD, RO reject shall be treated in MEE. 318 KLD, MEE condensate shall be reused within premises.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 16 and 17 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
12	Treated waste water shall be sent to M/s NCTL, pipeline only after complying with the inlet norms of common facilities prescribed by GPCB to ensure no adverse impact on Human Health and Environment.	Complied. The treated effluent is meeting the discharge norms sent to NCT-JPP pipeline for deep sea discharge.
13	Unit shall feed wastewater to in-house MEE only after ensuring content of effluent for COD/VOC so as not to get air borne during evaporation in order to achieve no adverse impacts on Environment and Human Health.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 18 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
14	Domestic wastewater generation shall not exceed 150 KL/day for proposed project and it shall be treated in STP. It shall not be disposed off through soak pit/ septic tank. Treated sewage shall be utilized for gardening and plantation purpose within premises after achieving on-land discharge norms prescribed by the GPCB or reused in process and cooling water.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 19 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

15	During monsoon season when treated sewage may not be required for the plantation / Gardening / Green belt purpose, it shall be reused within process and cooling tower. There shall be no discharge of waste water outside the premises in any case.	Complied. During the rainy season sewage generated from the domestic activities are treated in STP and used in cooling towers as a makeup water.
16	The unit shall provide metering facility at the inlet and outlet of ETP, RO, MEE and STP and maintain records for the same.	Complied. Please refer to the compliance of condition no. 21 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
17	Proper logbooks of ETP, RO, MEE and STP, recycle/ reuse of treated/ untreated effluent, chemical consumption in effluent treatment, quantity and quality of treated effluent, power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.	Complied. Unit is maintaining proper logbooks of ETP, STP, recycle/ reuse of treated/ untreated effluent, chemical consumption in effluent treatment, quantity and quality of treated effluent, power consumption. Please refer to the compliance of condition no. 22 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

A.3 AIR							
18	Unit shall not exceed fuel consumption for boilers, TFHs, HAGs and oxidizers and D G Set as mentioned below:						
Sr. No.	Source of emission with capacity	Stack Height (m)	Type of Fuel	Quantity of Fuel (MT/ Day)	Type of emission i.e. Air Pollutants	Air Pollution Control Measures (APCM)	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 23 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
1	DG Set 650 KVA (2 Nos.) Existing	11	HSD	7086 Lit/Hr.	Particulate matter SO2 NOx	Acoustic Enclosure	
2	DG Set 1010 KVA (7 Nos.) (4 Existing + 3 Proposed)	11	HSD			Acoustic Enclosure	
3	DG Set 2500 KVA (4 Nos. Proposed)	11	HSD			Acoustic Enclosure	
4	DG Set 750 KVA (3 Nos. Existing)	11	HSD			Acoustic Enclosure	

5	DG Set 1500 KVA (2 Nos. Proposed)	11	HSD		Particulate matter SO2 NOx	Acoustic Enclosure	
6	Boiler 30 TPH (2 Nos. Existing)	52 m each	Coal	7.5 MT/Hr. For each Boiler		Lime addition along with coal +ESP	
7	Boiler 150 TPH (1 Nos. Proposed)	83	Coal	37.5 MT/Hr.		Lime addition along with coal +ESP	
8	Thermic Fluid Heater (Thermopack) 4 Lakh Kcal/Hr (1 No. -Proposed)	20 (For Coal) and 15 (For Natural Gas)	Coal/N G	0.2 MT/Hr/ 6 Nm3/Hr		Dust Collector, Cyclone Separator (For Coal)	
9	Thermic Fluid Heater (Thermopack) 40 Lakh Kcal/Hr (2 Nos.- Proposed)	34 m each	Coal	1.95 MT/Hr for Each		Bag Filter	
10	Hot Air Generator (For Calcium Chloride Dryer) - (1 No. Proposed)	33	Coal	8 MT/Hr.		Cyclone Separator, Bag filter and Water Scrubber	
11	Vent gas oxidizer - gl No. - Proposed)	30	Natural gas	41 Nm3/Hr.		--	
19	Unit shall provide adequate APCM with flue gas generation sources as mentioned above:					Complied. Unit has provided adequate APCMs in the existing flue gas generation sources and is achieving the norms as per standards mentioned in CC&A.	
20	Unit shall provide adequate APCM with process gas generation sources as mentioned below:						

Sr. No:	Specific Source of emission (Name of the product and process)	Type of emission	Stack/Vent Height (m)	Air Pollution Control Measures (APCM)	<p>Complied. The stated condition has been amended. Please refer to the compliance of condition no. 25 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022. Unit has provided adequate APCMs in the existing process gas generation sources and is achieving the norms as per standards mentioned in CC&A.</p>
1	Reformer-Existing	CO	26	-	
2	CaCO ₃ Reactor-Existing	HCl	23	Alkali Scrubber	
3	CaCl ₂ Dryer vent-Existing	Particulate Matter	20	Cyclone separators and Wet Scrubber	
4	Chlorinator Reactor vent-Existing	HCl Chlorine	15	Falling film absorber followed by Alkali Scrubber	
5	Nitration Vessels-Existing NOx	NOx	15	Acidic Scrubber	
6	CLB-Cl ₂ scrubber-Proposed	Cl ₂	15	Single Stage, 10 % NaOH	
7	CLB - PDCB Scrubbers-Proposed	VOC	15	Single Stage, ODCB	
8	CLB - HCL Scrubber-Proposed	HCl	15	HCl absorber followed by caustic scrubber	
9	CLB - HCL Scrubber-Proposed	HCl	15	HCl absorber followed by caustic scrubber	
10	TCB - HCL Scrubber-Proposed	HCl	15	HCl absorber followed by caustic scrubber	
11	TCB - Cl ₂ Scrubber-Proposed	Cl ₂	15	Single Stage, 10percentage NaOH	
12	TCB - ODCB Scrubber-Proposed	VOC	15	Single Stage, ODCB	
13	DCPNA - HCL Scrubber-Proposed	HCl	15	HCl absorber followed by caustic scrubber	
14	DCPNA - Cl ₂ Scrubber-Proposed	Cl ₂	15	Single Stage, 10percentage NaOH	

15	DAPBI Process	HCl	15	Water Scrubber followed by Alkali Scrubber	
16	DAPBI Process	NH3	15	Acidic Scrubber	
17	ETP Scrubber	NH3	15	Acidic Scrubber	
21	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety and Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.				Complied. Please refer to the compliance of condition no. 26 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
	1. Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.				
	2. Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.				
	3. A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive and transport dust emission.				
22	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.				Complied. The unit is conducting regular monitoring of Volatile Organic Compounds and records are maintained in Form No. 37. Please refer to the compliance of condition no. 27 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
23	Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx, CO, HCl, Cl2, NH3 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. Unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) covering all the parameters at upwind and downwind location (at 3 specific locations) by a MoEFandCC approved and NABL Accredited laboratory. All results are well within the prescribed limits. Please refer to the compliance of condition no. 29 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

A.4	SOLID / HAZARDOUS WASTE
24	All the hazardous/ solid waste management shall be taken care as mentioned below:

Sr. No:	Type of hazardous Waste	Source of Generation	Existing in MT/Year	Proposed (Increase or decrease) in MT/Year	Total After Proposed Expansion in MT/Y	Hazardous Waste Category No:	Mode of Disposal	
1	MEE/evaporation Salt MEE salt	ETP Plant	50	9440	9490	35.3	Collection, storage, transportation and disposal at approved TSDF site	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
	ETP Waste		2880	6927	12910			
	ETP Waste	ETP Waste from Unit-III	0	3103				
	Silica	CaCl2 Process	10840	8672				
2	Used oil	Utility	18.4	21.6	40	5.1	Collection, Storage, Transportation, and Disposal by selling to registered re-processors	
3	Empty Barrels and Empty HDPE bags	R.M. storage area	33	167	200	33.1	Collection, storage, transportation; decontamination and Disposal to Recycler/ TSDF/ sending back to raw material supplier.	
	Discarded Containers/Bags		15	85	100		Collection, storage, transport	

							tation,decontamination and Disposal to Recycler/TSD F/co-processing sending back to raw material supplier.	
4	Distillation residue and waste	Process	1404	0	1404	26.1	Collection, storage,transportation and disposal to incineration at TSD site/Co-processing.	
5	Process residue	Process	1613	10867	12480			
6	Spent Catalyst	Hydrogenation process	235	209	444	26.5	Collection, storage,transportation and disposal to registered re-generators / TSD site.	
7	Hydrochloric acid (HCL)	Scrubber	145272	60348	205620	B15 of Schedule-II	Collection, storage,transportation and reused in manufacturing	

							g of CaCl ₂ . OR sold to authorized actual end users having Rule 9 permission.	
8	Spent Sulphuric acid (H ₂ SO ₄)	Process	9300	11556	20856	B15 of Schedule- II	Collection, storage,trans portation and sold to authorized actual end users having Rule 9 permission.	
9	Sodium Hydrochlorite (NaOCl)	Process	0	45084	45084	B15 of Schedule- II	Collection, storage,trans portation and sold to authorized actual end users having Rule 9 permission.	
10	Sodium Chloride (NaCl)	Process	24828	19332	44160	B15 of Schedule- II	Collection, storage,trans portation and sold to authorized actual end users having Rule 9 permission/ TSDF site for landfill	
11	Ortho Nitro Phenol (ONP) Para Nitro Phenol (PNP)	Process	492	0	492	-	Collection, storage,trans portation and sold to authorized actual end users having Rule 9 permission.	

12	Nitrosyl/ Sulphuric Acid (NSA)	Process	0	17652	17652	B15 of Schedule- II	Collection, storage,trans portation and sold to authorized actual end users having Rule 9 permission.
13	Calcium Chloride Solution brine as	Process	0	120000	120000	Class C2 of Schedule- II	Collection, storage,trans portation and sold to authorized actual end users having Rule 9 permission.
14	Spent Carbon	Process and ETP	0	1020	1020	36.2	Collection, storage,trans portation and sent for Co-processin g/ incineration.
15	Off-specification product	Process	0	25	25	26.1	Collection, storage,trans portation and disposal to Co-processin g/ incineration .
16	PPE's Waste, non-recyclable plastic waste	Operatio n Waste	0	200	200	33.1	Collection, storage,trans portation and disposal to Land filling.
17	Contaminated Cotton Waste, Paper Waste, Contaminated Woods	Operatio n Waste	0	150	150	26.1	Collection, storage,trans portation and disposal to incineration /Co-processin g.

18	Stripper TOP containing organic content	Stripper	0	1095	1095	26.1	Collection, storage,trans portation and disposal to incineration /Co-processin g.	
19	Spent solvent	Process	0	35	35	26.1	Collection, storage,trans portation and disposal to incineration /Co-processin g or Approved Recycler.	
20	Recycle Solvents	Process	0	212368	212368	-	Collection,sto rage and utilize internal recovery in same process.	
25	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.						Complied. Please refer to the compliance of condition no. 31 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.	
26	Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of Incinerable and land fillable wastes before sending to CHWIF and TSDF sites respectively.						Complied. Unit is already following the co-processing of hazardous waste as the most preferred mode of disposal wherever possible.	
27	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.						Complied. Please refer to the compliance of condition no. 31 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.	

A.5	OTHER							
28	The project proponent shall allocate the separate fund of 2.5 Crore as committed before SEAC. The entire activities proposed under CER shall be part of the Environment Management Plan (EMP) as per the MoEFandCC's no. F. No. 2265/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report						Complied. The Unit is doing socioeconomic developmental/community welfare activities in surrounding areas.	

	shall be submitted to the regional office of MoEFandCC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.	Please refer to the compliance of condition no. 148 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
29	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s Jyoti Om Chemical Research Centre Pvt. Ltd. and submitted by project proponent and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Complied. All the recommendations / commitments made in the EIA report are being implemented.

B	GENERAL CONDITIONS	
B.1	CONSTRUCTION PHASE	
30	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 to safeguard the water consumption and reduce the demand.
31	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Complied. All construction materials are transported through tarpaulin covered trucks only. Regular water sprinkling is being done to control fugitive emission of dust.
32	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied. Adequate sanitary and hygienic measures has been provided at the site and will be maintained throughout the construction phase as per below: <ul style="list-style-type: none"> • Clean up of jobsite after major tasks or at least daily; • Avoiding the build-up of hazardous, flammable, or combustible materials. Keeping walkways, stairs, and work areas clear. • Separate bathroom facilities are provided for male and female workers on a job site. Washing facilities on the site are provided for workers to wash their hands and avoid cross-contamination before eating, drinking or heading home for the day. Hence, workers can wash away harmful substances and use the washing area to service and

		decontaminate personal protective equipment (PPE).
33	First Aid Box shall be made readily available in adequate quantity at all the times.	Complied. First Aid Boxes are available at prominent locations in adequate quantity.
34	The project proponent shall strictly comply with the Building and other Construction Workers (Regulation of Employment and Conditions of Service) Act,1996 and Gujarat rules made there and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	Complied. The unit is strictly complying with the Building and other Construction Workers (Regulation of Employment and Conditions of Service) Act,1996 and Gujarat rules made there and their subsequent amendments.
35	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. Monthly Ambient Noise monitoring is being conducted by a MoEFFandCC recognized and NABL accredited laboratory. Please refer to the compliance of condition no. 41 of B.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
36	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. All the DG are provided with Acoustic Enclosures. Monthly Noise monitoring is being conducted by a MoEFFandCC recognized and NABL accredited laboratory. Please refer to the compliance of condition no. 42 of B.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
37	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	Complied. Unit is sending all the generated domestic effluent to a dedicated sewage treatment plant located in the unit for proper treatment and solid waste is being properly collected, segregated and disposed of on regular frequency.
38	All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.	Complied. All the top soil excavated during construction work is utilized in horticulture/ landscape development within the premises.
39	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	Complied.

	taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.	All the top soil excavated during construction work is utilized in horticulture/ landscape development within the premises.
40	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. Unit is using fly ash bricks, fly ash paver blocks for the construction purpose.
41	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	Complied. Unit is sending 100 percentage of fly ash generated from the plant to brick manufacturers. Please refer to the compliance of condition no. 47 of B.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
42	"Wind - breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. Individual building within the project site shall also be provided with barricades.	Complied. Temporary wind shielding along with barricades of adequate height had been provided along the periphery of the project site.
43	"No uncovered vehicles carrying construction material and waste shall be permitted."	Complied. All construction materials are transported through tarpaulin covered trucks only. No uncovered vehicles carrying the construction material and waste are permitted in the plant.
44	"No loose soil or sand or construction and demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured."	Complied. All construction materials are transported through tarpaulin covered trucks only. No uncovered vehicles carrying the construction material and waste are permitted in the plant.
45	Roads leading to or at construction site must be paved and blacktopped (i.e. - metallic roads).	Complied
46	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	Complied. No excavation of soil is being carried out without adequate dust mitigation measures in place. Utmost measures are being adopted to prevent dust at our construction sites before carrying out any excavation activity.
47	Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.	Complied.

48	Grinding and cutting of building materials in open area shall be prohibited.	Complied.
49	Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.	Complied.
50	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	
51	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Complied. Unit receives water from the GIDC water supply. Water meters are installed and records are maintained.
52	All efforts shall be made to optimize water consumption by exploring Best Available Technology(BAT). The unit shall continuously strive to reduce,recycle and reuse the treated effluent.	Complied. The is continuously strives to reduce,recycle and reuse the treated effluent.
B.2.2	AIR	
53	In case of use of spray dryer, the unit shall provide the adequate and efficient APCMs with the spray dryer so that there should not be any adverse impact on human health and environment. Unit shall carry out third party monitoring of the proposed Spray dryer and it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.	Not Applicable as the unit has not installed spray dryer. The Unit has installed adequate and efficient air pollution control systems at other process vent and utility stack outlets to achieve the norms prescribed in valid CC&A.
54	Acoustic enclosure shall be provided to the D.G. sets(If applicable) to mitigate the noise pollution and conform to the EPA Rules for air and noise emission standards.	Complied. The unit has provided acoustic enclosure to all the DG Set to mitigate the noise pollution.
55	Stacks/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	Complied. The Unit has installed adequate and efficient air pollution control systems at other process vent and utility stack outlets to achieve the norms prescribed in valid CC&A.

56	Flue gas emission and Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEFandcc. At no time, emission level should go beyond the stipulated standards.	Complied. Unit is following the norms for flue gas and process gas emission as per valid CC&A. The unit is carrying out stack analysis by a MoEFandCC recognised and NABL accredited laboratory. All results are well within the prescribed limits.
57	All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied. Closed handling and charging systems are provided for chemicals. Unit is monitoring the fugitive emission in the work zone as per the prescribed standards. Please refer to the compliance of condition no. 27 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
B.2.3	HAZARDOUS/SOLID WASTE	
58	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.	Complied. Unit is strictly complying with the regulatory norms and maintaining the records with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time.
59	Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied. All the hazardous waste is stored in the designated storage area with a pucca bottom and proper leachate collection facility.
60	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	Complied. Unit has taken necessary permission from the nearby TSDF site and CHWIF.
61	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 following the Motor Vehicle Act, 1988 and rules for the vehicles transporting hazardous waste. Waste is sent by Manifest System through Dedicated Hazardous waste vehicle with Active GPS system.
62	The design of the Trucks/tankers shall be such that there is no spillage during transportation.	Complied.

63	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied. Unit is already following the co-processing of hazardous waste as a mode of disposal wherever possible.
64	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 100 percentage utilization of fly ash to be generated from the unit.	Complied. 100percentage Fly ash is utilized by the authorized Brick manufacturer after having proper MoU with them. Please refer to the compliance of condition no. 47 of B.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
B.2.4	SAFETY	
65	The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.	Complied. Unit has obtained valid Factories License.
66	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 company is strictly complying with the rules and regulations under Manufacture, Storage and Impact of Hazardous Chemicals Rules, 1989 as amended.
67	Main entry and exit shall be separate and clearly marked in the facility.	Complied. Main entry and exit of plant premises are separate.
68	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Complied.
69	Storage of flammable chemicals shall be sufficiently away from the production area.	Complied. Storage of flammable and hazardous chemicals is away from the production area.
70	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Complied. Fire extinguishers are provided near the plant and storage area for the emergency situation.
71	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.	Complied. All measures are being taken to avoid any accidents. Mandatory use of appropriate PPEs is being done to ensure that no harm is caused

		to any worker/employee while handling toxic / hazardous chemicals.
72	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. All the toxic/hazardous chemicals are stored in optimum quantity and all necessary permissions in this regard are obtained before commencing the expansion activities. Maintaining the storage concept.
73	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	Complied. Unit strictly complies with all the mitigation measures and safeguards that are suggested in the Risk Assessment report.
74	Only flame proof electrical fittings shall be provided in the plant premises.	Complied. Only flameproof electrical fittings are provided in the plant premises. Unit has carried out Hazardous area classification through an external competent agency i.e Vision Power Facts, Mumbai. Please refer to the compliance of condition no. 12 (j) of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
75	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.	Complied. Maintaining the storage concept. Unit is not handling small containers like drums/carboys. Most of our raw materials are handled through ISO tankers/containers.
76	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.	Complied. <ul style="list-style-type: none"> • Dyke walls have been provided for all storage tanks. • Closed loops systems to transfer the materials to avoid leakage/ spillage. • Level transmitter/Level gauge provided to hazardous chemical storage tanks to avoid overflow. • Breather valve/safety valve/flame arrestor provided to hazardous chemical storage tanks as appropriate. • Close monitoring through the DCS panel. • Maximum allowable storage level is 80 percentage of total capacity.


		<ul style="list-style-type: none"> Hazardous chemical storage areas are fenced properly to avoid unauthorized entry.
77	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	Complied. Unit strictly follows all the standards for handling and pumping or vacuum transfer of chemicals for reduction of human exposure.
78	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.	Complied Yes Unit has tie up with nearby health care units. (Jayaben Modi Hospital, 32 Kms) Please refer to the compliance of condition no. 93 of B.2.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
79	Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Complied. Sufficient PPE like Helmet, Goggles, Safety Belt, Ear Plug, PVC Apron, Dust Mask, Rubber Gloves etc has been provided to all the workers and necessary care is taken to assure strict usage of PPEs.
80	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied First Aid Box and required Antidotes for the chemicals used in the unit are made readily available in adequate quantity.
81	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	Complied. Regular training is conducted to all the workers on safety and health aspects of Chemical handling. Please refer to the compliance of condition no. 97 of B.2.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
82	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 and Rules.	Complied. OHC is maintaining all the records and Pre-employment and periodical medical examinations for all the workers are done as per the Factories Act and Rules. Please refer to the compliance of condition no. 98 of B.2.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

83	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.	Complied. Transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act.
84	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied. Unit has implemented all the mitigation and recommendations mentioned in the EIA report.
85	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project	Complied. Necessary permission has been taken from PESO. Factory Licence has been obtained from Factory Inspectorate (DISH), Govt. of Gujarat.
B.2.5	NOISE	
86	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 confirm to the standards prescribed under The Environment (Protection) Act, 1986 and amended Rules.	Complied. Adequate measures are being taken to keep ambient noise well within the prescribed limits. Monthly Ambient Noise monitoring is being conducted by a MoEFFandCC recognized and NABL accredited laboratory. Please refer to the compliance of condition no. 106 of B.2.5 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022
B.2.6	CLEANER PRODUCTION AND WASTE MINIMISATION	
87	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

88	<p>The company shall undertake various waste minimization measures such as :</p> <ol style="list-style-type: none"> Metering and control of quantities of active ingredients to minimize waste. Reuse of by-products from the process as raw materials or as raw materials substitutes. Use of automated and close filling to minimize spillages. Use of close feed system into batch reactors. Venting equipment through vapour recovery system. Use of high pressure hoses for cleaning to reduce wastewater generation. Recycling of washes to subsequent batches. Recycling of steam condensate. Sweeping / mopping of floor instead of floor washing to avoid effluent generation. Regular preventive maintenance for avoiding leakage, spillage etc. 	<p>Complied.</p> <p>Unit is undertaking all the measures for waste minimization. Please refer to the compliance of condition no. 108 of B.2.6 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
B.2.7	GREEN BELT AND OTHER PLANTATION	
89	<p>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.</p>	<p>Complied.</p> <p>The unit has developed Green Belt as per CPCB guidelines within as well as outside the premises and will be continuing necessary activities to continue raising the green belt area. Please refer to the compliance of condition no. 109 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
90	<p>Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.</p>	<p>Complied.</p>
B.3	OTHER CONDITIONS	
91	<p>Unit shall comply 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 mentioned at (Sr. no. XX).</p>	<p>Complied.</p>
92	<p>The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half-yearly compliance report and to district collector. The</p>	<p>Complied.</p> <p>The Unit is doing socioeconomic developmental/community welfare activities in surrounding areas.</p> <p>Please refer to the compliance of condition no. 148 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>

	monitoring report shall be posted on the website of the project proponent.	
93	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	Complied. Unit assures to provide rain water harvesting at all possible locations and shall reuse the water after pre-treatment.
94	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 will 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 Government / GIDC.
95	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. Unit ensures to use solar energy.
96	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Complied. Dedicated green belt area is embarked for plantation.
97	All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Complied. Unit assures to comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
98	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. Unit assures to comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
99	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. Unit has provided the system to close down the operation in the event of failure of any pollution control equipment.
100	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority,	Noted and Complied Unit is strictly complying with all the conditions stipulated in valid CCA.

101	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Complied. Unit has provided a garland drain to avoid spillage mixing with stormwater.
102	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 is provided in the areas of chemical handling to prohibit soil contamination.
103	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	Complied. Unit is using only mechanical seal pumps in order to avoid the leakages.
104	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.
105	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.	Complied. Unit assures to comply with all the requirements as per the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
106	The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014 and its amendments from time to time in a letter and spirit.	Complied. The Unit is doing socioeconomic developmental/community welfare activities in surrounding areas. Please refer to the compliance of condition no. 148 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
107	The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	Complied. Unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report.
108	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied

109	<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 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.</p>	<p>Complied.</p> <p>Unit has informed the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA / SEAC / GPCB. Advertisement was published in Times of India (in English) and Sandesh (in Gujarati) on 14th July 2021. A copy of each was submitted to concerned authorities. Proof of the same is attached herewith.</p> 
110	<p>It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.</p>	<p>Complied.</p> <p>Unit is submitting the six monthly compliance report on a timely basis.</p>
111	<p>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.</p>	<p>Noted.</p> <p>Unit assures that no False/Fabricated data has been submitted herewith.</p>
112	<p>The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.</p>	<p>Complied and noted</p> <p>Unit is strictly complying with all the conditions stipulated in valid CC&A.</p>

113	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
114	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.	Complied. Company is implementing these conditions in a time bound manner.
115	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.	Not Applicable as the Unit has not taken any loan from any bank. The project was self financed.
116	This environmental clearance is valid for seven years from the date of issue.	Noted.
117	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.
118	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. Unit assures that no False/Fabricated data has been submitted herewith.

**Environment Compliance Report of
EC File No. SEIAA/GUJ/EC/5(f)/1412/2019
Dated 04/11/2019**

Environment Clearance Compliance report for period October 24 to March 25

File No.: SEIAA/GUJ/EC/5(f)/1412/2019 dated 04/11/2019

Sr. No:	Condition	Compliance																																																																																																																								
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A	CONDITIONS	
A.1	SPECIFIC CONDITION	Status
1	Unit shall provide adequate treatment to industrial effluent in such a way that no pollutant get air borne during evaporation in order to prevent adverse impact on Human Health and Environment.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 18 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
2	Unit shall obtained prior permission from PESO for storage and handling of hazardous chemical.	Complied. Dedicated storage facility of flammable chemicals provided at safer distance from production area as per PESO approval. Please refer to the compliance of condition no. 12(a) of A.1 of EC File No.

		SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
3	Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.	Complied. Necessary flameproof fittings are provided in production plants as per the hazardous area classification. Please refer to the compliance of condition no. 12(i) of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
4	Leak Detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR Logbooks shall be maintained.	Complied. Unit is adhering to internal guidelines for LDAR prepared based on the MoEF notification G.S.R.186 (E): Fugitive emission. Unit is carrying out quarterly LDAR monitoring. Please refer to the compliance of condition no. 5 of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
5	Unit shall explore the possibilities for environment friendly methods for disposal of Incinerable and land fillable wastes before sending to CHWIF/TSDF sites respectively.	Complied. Unit is already following the co-processing of hazardous waste as the most preferred mode of disposal wherever possible.
6	All measures shall be taken to prevent soil and ground water contamination	Complied. Please refer to the compliance of condition no. 10 of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
7	The project proponent must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government and/or any other statutory authority.	Complied Unit is adhering to stipulations of Gujarat Pollution Control Board.
8	The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16th November, 2009 shall be complied with.	Complied. Unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) covering all the parameters at upwind and downwind location (at 3 specific locations) by a MoEFandCC approved and NABL Accredited laboratory. All results are well within the prescribed limits. Please refer to the compliance of condition no. 7 of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
9	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G. S. R. 608 (E) dated 21/07/2010 and amended from time to time shall be followed.	Complied. The unit is conducting regular monitoring of Volatile Organic Compounds and records are maintained in Form No. 37. Please refer to the compliance of condition no. 8 of A.1 of EC File No.

		SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
10	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 and consistence with the same.	Complied. Unit is complying with the area specific policies of GPCB with respect to the discharge of pollutants.
A.2	Water	
11	Total water requirement for the project shall not exceed 811 KLD. Unit shall reuse 151 KLD Hence, fresh water requirement shall not exceed 660 KLD and it shall be met through GIDC water supply only. Prior permission from the concerned authority shall be obtained for withdrawal of water.	Complied. The stated condition has been amended. Water Consumption is consumed by the unit in accordance with the compliance of condition no. 13 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
12	No ground water shall be tapped for the project requirements.	Complied. No groundwater is being tapped for utilization. The unit is only using water from GIDC.
13	The industrial effluent generation from the project shall not exceed 231 KLD.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 15 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
14	<p>The industrial effluent shall be segregated and treated as follows :</p> <p>Stream 1: High COD effluent (91 KLD from process) shall be treated in Fenton treatment followed by neutralization further treated effluent shall be fed into the MEE, Condensate from MEE shall be subjected to Soil Bio Technology (SBT) and treated effluent from SBT treatment shall be stored in treated water storage tank, while MEE Concentrate shall be treated in ATFD.</p> <p>Stream 2: Utility effluent (50 KLD from cooling and 10 KLD from washing) shall be subjected to equalization, neutralization and filtration followed by Soil Bio Technology (SBT) and treated effluent from SBT treatment shall be stored in treated water storage tank.</p> <p>Stream 3: 30 percentage HCL (80 KLD) from process shall be neutralized if not sold under Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016. Neutralized effluent shall be further subjected to filtration and treated effluent after filtration shall be stored in a treated water storage tank.</p>	<p>Complied.</p> <p>The stated condition has been amended. Please refer to the compliance of condition no. 16 and 17 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
15	Treated effluent from treated water storage tank of all the above mentioned stream 1,2 and 3 shall be further treated	Complied. The stated condition has been amended. Please

	in Sand Filter and Carbon Filter and finally discharged into NCTL pipeline of Jhagadia GIDC after achieving the norms of CPCB/GPCB/MoEFandCC.	refer to the compliance of condition no. 16 and 17 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022. The treated effluent meeting the discharge norms sent to NCT-JPP pipeline for deep sea discharge.																				
16	Domestic sewage generation shall not exceed 28 KLD and it shall be treated in in-house STP and treated sewage shall be utilized in gardening (except monsoon) else in cooling tower (In monsoon).	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 19 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.																				
17	The unit shall provide metering facility at the inlet and outlets of the Fenton Treatment, MEE, SBT and STP and maintain records for the same.	Complied. Please refer to the compliance of condition no. 21 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.																				
18	Proper logbooks of Fenton Treatment, MEE, SBT and STP, quantity and quality of effluent feed to Fenton Treatment, MEE, SBT and STP, power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.	Complied. Unit is maintaining proper logbooks of ETP, STP, recycle/ reuse of treated/ untreated effluent, chemical consumption in effluent treatment, quantity and quality of treated effluent, power consumption. Please refer to the compliance of condition no. 22 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.																				
A.3	Air																					
19	Unit shall not exceed fuel consumption for DG Sets (Stand by) as mentioned below: <table><tr><td>Sr. no.</td><td>Source of emission With Capacity</td><td>Stack Height (meter)</td><td>Type of Fuel</td><td>Quantity of Fuel MT/Day</td><td>Type of emissions i.e. Air Pollutants</td><td>Air Pollution Control Measures (APCM)</td></tr><tr><td>1</td><td>D.G. Set (Standby) (2 Nos.) Capacity= 1500 KVA (Each)</td><td>30</td><td>Diesel</td><td>660 Liter/Hr.</td><td>PM SO₂ NO_x</td><td>Adequate stack height + Acoustic Enclosure</td></tr></table>	Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)	1	D.G. Set (Standby) (2 Nos.) Capacity= 1500 KVA (Each)	30	Diesel	660 Liter/Hr.	PM SO ₂ NO _x	Adequate stack height + Acoustic Enclosure	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 23 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.						
Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)																
1	D.G. Set (Standby) (2 Nos.) Capacity= 1500 KVA (Each)	30	Diesel	660 Liter/Hr.	PM SO ₂ NO _x	Adequate stack height + Acoustic Enclosure																
20	Unit shall provide adequate APCM with flue gas generation sources as mentioned above:	Complied. Unit has provided adequate APCMs in the existing flue gas generation sources and is achieving the norms as per standards mentioned in CC&A.																				
21	Unit shall provide adequate APCM with process gas generation sources as mentioned below: <table><tr><td>Sr. no.</td><td>Specific Source of emission (Name of the Product & Process)</td><td>Type of emission</td><td>Stack/Vent Height (meter)</td><td>Air Pollution Control Measures (APCM)</td></tr><tr><td>1.</td><td>Scrubber connected to Nitration Reactors.</td><td>NO_x: 25 Mg/Nm³</td><td>11</td><td>Two stage Alkali Scrubber</td></tr><tr><td>2.</td><td>Scrubber connected to Chlorination Reactor</td><td>HCl :20 Mg/Nm³</td><td>11</td><td>Water scrubber followed by Alkali Scrubber</td></tr><tr><td>3.</td><td>PSA Absorber</td><td>VOC</td><td>26</td><td>Water scrubber</td></tr></table>	Sr. no.	Specific Source of emission (Name of the Product & Process)	Type of emission	Stack/Vent Height (meter)	Air Pollution Control Measures (APCM)	1.	Scrubber connected to Nitration Reactors.	NO _x : 25 Mg/Nm ³	11	Two stage Alkali Scrubber	2.	Scrubber connected to Chlorination Reactor	HCl :20 Mg/Nm ³	11	Water scrubber followed by Alkali Scrubber	3.	PSA Absorber	VOC	26	Water scrubber	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 25 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022. Unit has provided adequate APCMs in the existing process gas generation sources and is achieving the norms as per standards mentioned in CC&A.
Sr. no.	Specific Source of emission (Name of the Product & Process)	Type of emission	Stack/Vent Height (meter)	Air Pollution Control Measures (APCM)																		
1.	Scrubber connected to Nitration Reactors.	NO _x : 25 Mg/Nm ³	11	Two stage Alkali Scrubber																		
2.	Scrubber connected to Chlorination Reactor	HCl :20 Mg/Nm ³	11	Water scrubber followed by Alkali Scrubber																		
3.	PSA Absorber	VOC	26	Water scrubber																		

22	<p>The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety and 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 and transport dust emission. 	<p>Complied.</p> <p>Please refer to the compliance of condition no. 26 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
23	<p>Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.</p>	<p>Complied.</p> <p>The unit is conducting regular monitoring of Volatile Organic Compounds and records are maintained in Form No. 37.</p> <p>Please refer to the compliance of condition no. 27 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
24	<p>For control of fugitive emission, VOCs, following steps shall be followed :</p> <ol style="list-style-type: none"> a. Closed handling and charging system shall be provided for chemicals b. Reflux condenser shall be provided over Reactors / Vessels. c. Pumps shall be provided with mechanical seals to prevent leakages. d. Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures. 	<p>Complied.</p> <p>Please refer to the compliance of condition no. 28 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
25	<p>Regular monitoring of ground level concentration of PM10, PM2.5 SO2, NOX, HCI and VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB</p>	<p>Complied.</p> <p>Unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) covering all the parameters at upwind and downwind location (at 3 specific locations) by a MoEFandCC approved and NABL Accredited laboratory. All results are well within the prescribed limits.</p> <p>Please refer to the compliance of condition no. 29 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
26	<p>All the hazardous waste management shall be taken care as mentioned below:</p>	<p>Complied.</p> <p>Unit is strictly complying with the regulatory norms and maintaining the records with regards to</p>

All the hazardous waste management plan for each unit of the project.						handling and disposal of Hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
Sr. no.	Type/Name of Hazardous waste	Specific Source of generation (Name of the Activity, Product etc.)	Category and Schedule as per HW Rules.	Quantity (MT/ Annum)	Management of HW	
1.	ETP Waste	ETP Area	35.3	3103	Collection, Storage, Transportation, disposal to TSDF.	
2.	MEE Salt	MEE	35.3	1825	Collection, Storage, Transportation, disposal to TSDF.	
3.	Distillation Residue	Process Area	26.1	2700	Collection, Storage, transportation, disposal at Co-processing Incineration.	
4.	Discarded containers/bags	RM & FG storage area	33.1	240	Collection, Storage, Decontamination, Disposal by sold to authorize recyclers.	
5.	Used oil	Maintenance	5.1	6	Collection, Storage, Transportation, Disposal by selling to registered re-processors.	
6.	Insulation Waste	Maintenance	--	24	Collection, Storage, Transportation disposal by at TSDF Site.	
7.	Spent Carbon	ETP Area	28.3	60	Collection, Storage, transportation, sent for co-processing/incineration.	
8.	Off Specification Product	Process Area	26.1	120	Collection, Storage, transportation, disposal at CHWIF.	
9.	Hydrochloric Acid(HCl)	Process Area	B15	23276	Sold to end users having Rule-9 permission under Hazardous and other waste rules, 2016 or it will be neutralized and sent for treatment to ETP.	
10.	Dil. Sulphuric Acid (70%)	From Nitration Group	26.3	56700	Sold to end users having Rule-9 permission under Hazardous and other waste rules, 2016 or it will be concentrated and reuse back in same product.	
11.	Scrub Liquid	From NO _x Scrubber	--	350 KI/ Year	Collection, Storage and treated at in-house ETP.	
12.	Spent Catalyst	From products of Chlorination process.	26.5	54	Collection, storage, transportation and send for re-generation & reuse.	
27	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.					Complied. Please refer to the compliance of condition no. 31 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
28	The project proponent shall allocate the separate fund of Rs. 267.6 Lakhs i.e. 1.5 percentage of the capital investment in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFandCC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.					Complied. The Unit is doing socioeconomic developmental/community welfare activities in surrounding areas. Please refer to the compliance of condition no. 148 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
29	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Jyoti Om Chemical Research Centre Private Limited and submitted by project proponent and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.					Complied. All the recommendations / commitments made in the EIA report are being implemented.
B.	General Conditions					

B.1	CONSTRUCTION PHASE	
30	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 to safeguard the water consumption and reduce the demand.
31	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Complied. All construction materials are transported through tarpaulin covered trucks only. Regular water sprinkling is being done to control fugitive emission of dust.
32	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied. Adequate sanitary and hygienic measures has been provided at the site and will be maintained throughout the construction phase as per below: <ul style="list-style-type: none"> • Clean up of jobsite after major tasks or at least daily; • Avoiding the build-up of hazardous, flammable, or combustible materials. Keeping walkways, stairs, and work areas clear. • Separate bathroom facilities are provided for male and female workers on a job site. Washing facilities on the site are provided for workers to wash their hands and avoid cross-contamination before eating, drinking or heading home for the day. Hence, workers can wash away harmful substances and use the washing area to service and decontaminate personal protective equipment (PPE).
33	First Aid Box shall be made readily available in adequate quantity at all the times.	Complied. First Aid Boxes are available at prominent locations in adequate quantities.
34	The project proponent shall strictly comply with the Building and other Construction Workers (Regulation of Employment and Conditions of Service) Act,1996 and Gujarat rules made there and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	Complied. The unit is strictly complying with the Building and other Construction Workers (Regulation of Employment and Conditions of Service) Act,1996 and Gujarat rules made there and their subsequent amendments.
35	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.	Complied. Monthly Ambient Noise monitoring is being conducted by a MoEFFandCC recognized and NABL accredited laboratory.

		Please refer to the compliance of condition no. 41 of B.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
36	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. All the DG are provided with Acoustic Enclosures. Monthly Noise monitoring is being conducted by a MoEFFandCC recognized and NABL accredited laboratory. Please refer to the compliance of condition no. 42 of B.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
37	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	Complied. Unit is sending all the generated domestic effluent to a dedicated sewage treatment plant located in the unit for proper treatment and solid waste is being properly collected, segregated and disposed of on regular frequency.
38	All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.	Complied. All the top soil excavated during construction work is utilized in horticulture/ landscape development within the premises.
39	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create adverse effect on neighbouring communities.	Complied. All the top soil excavated during construction work is utilized in horticulture/ landscape development within the premises.
40	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. Unit is using fly ash bricks, fly ash paver blocks for the construction purpose.
41	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	Complied. Unit is sending 100 percentage of fly ash generated from the plant to brick manufacturers. Please refer to the compliance of condition no. 47 of B.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
B.2	Operation Phase	
B.2.1	Water:	

42	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Complied. Unit receives water from the GIDC water supply. Water meters are installed and records are maintained.
43	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.
B.2.2	Air:	
44	In case of use of spray dryer, the unit shall provide the adequate and efficient APCMs with spray dryer so that there should not be any adverse impact on human health and environment. Unit shall carry out third party monitoring of the proposed Spray dryer and it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.	Not Applicable as the unit has not installed spray dryer. Unit has installed adequate and efficient air pollution control systems at other process vent and utility stack outlets to achieve the norms prescribed in valid CC&A.
45	Acoustic enclosure shall be provided to the DG sets (if applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.	Complied. The unit has provided acoustic enclosure to all the DG Set to mitigate the noise pollution.
46	Stack/vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	Complied. The Unit has installed adequate and efficient air pollution control systems at other process vent and utility stack outlets to achieve the norms prescribed in valid CC&A.
47	Flue gas emission and Process gas emission (if any) shall conform to the standards prescribed by the GPCB/CPCB/MOEFandCC. At no time, emission level should go beyond the stipulated standards.	Complied. Unit is following the norms for flue gas and process gas emission as per valid CC&A. The unit is carrying out stack analysis by a MoEFandCC recognised and NABL accredited laboratory. All results are well within the prescribed limits.
48	All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied. Closed handling and charging systems are provided for chemicals. Unit is monitoring the fugitive emission in the work zone as per the prescribed standards. Please refer to the compliance of condition no. 27 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

B.2.3	Hazardous Solid Waste:	
49	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.	Complied. Unit is strictly complying with the regulatory norms and maintaining the records with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time.
50	Hazardous wastes shall be dried, packed and stored in a separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied. All the hazardous waste is stored in the designated storage area with a pucca bottom and proper leachate collection facility.
51	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF.(Whichever is applicable)	Complied. Unit has taken necessary permission from the nearby TSDF site and CHWIF.
52	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 following the Motor Vehicle Act, 1988 and rules for the vehicles transporting hazardous waste. Waste is sent by Manifest System through Dedicated Hazardous waste vehicle with Active GPS system.
53	The design of the Trucks/tankers shall be such that there is no spillage during transportation	Complied.
54	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied. Unit is already following the co-processing of hazardous waste as a mode of disposal wherever possible.
55	Management of fly ash (if any) shall be as per the Fly ash Notification 2009 and its amendment from time to time and it shall be ensured that there is 100percentage utilization of fly ash to be generated from the unit.	Complied. 100percentage Fly ash is utilized by the authorized Brick manufacturer after having proper MoU with them. Please refer to the compliance of condition no. 47 of B.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
B.2.4	Safety:	
56	The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.	Complied. Unit has obtained a valid Factories License.

57	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended from 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 company is strictly complying with the rules and regulations under Manufacture, Storage and Impact of Hazardous Chemicals Rules, 1989 as amended.
58	Main entry and exit shall be separate and clearly marked in the facility.	Complied. Main entry and exit of plant premises are separate.
59	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Complied.
60	Storage of flammable chemicals shall be sufficiently away from the production area.	Complied. Storage of flammable and hazardous chemicals is away from the production area.
61	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Complied. Fire extinguishers are provided near the plant and storage area for the emergency situation.
62	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.	Complied. All measures are being taken to avoid any accidents. Mandatory use of appropriate PPEs is being done to ensure that no harm is caused to any worker/employee while handling toxic / hazardous chemicals.
63	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. All the toxic/hazardous chemicals are stored in optimum quantity and all necessary permissions in this regard are obtained before commencing the expansion activities. Maintaining the storage concept.
64	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	Complied. Unit strictly comply with all the mitigation measures and safeguards that are suggested in the Risk Assessment report.
65	Only flameproof electrical fittings shall be provided in the plant premises.	Complied. Only flameproof electrical fittings are provided in the plant premises. Unit has carried out


		Hazardous area classification through an external competent agency i.e Vision Power Facts, Mumbai. Please refer to the compliance of condition no. 12 (j) of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
66	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.	Complied. Maintaining the storage concept. Unit is not handling small containers like drums/carbous. Most of our raw materials are handled through ISO tankers/ containers.
67	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.	Complied. <ul style="list-style-type: none"> • Dyke walls have been provided for all storage tanks. • Closed loops systems to transfer the materials to avoid leakage/ spillage. • Level transmitter/Level gauge provided to hazardous chemical storage tanks to avoid overflow. • Breather valve/safety valve/flame arrestor provided to hazardous chemical storage tanks as appropriate. • Close monitoring through the DCS panel. • Maximum allowable storage level is 80percentage of total capacity. • Hazardous chemical storage areas are fenced properly to avoid unauthorized entry.
68	Handling and charging of the chemicals shall be done in a closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	Complied. Unit strictly follows all the standards for handling and pumping or vacuum transfer of chemicals for reduction of human exposure.
69	Tie up shall be done with a nearby health care unit/ doctor for seeking immediate medical attention in the case of Emergency.	Complied Yes Unit has tie up with nearby health care units. (Jayaben Modi Hospital, 32 Kms) Please refer to the compliance of condition no. 93 of B.2.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
70	Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Complied. Sufficient PPE like Helmet, Goggles, Safety Belt, Ear Plug, PVC Apron, Dust Mask, Rubber Gloves etc has been provided to all the workers and

		necessary care is taken to assure strict usage of PPEs.
71	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied First Aid Box and required Antidotes for the chemicals used in the unit are made readily available in adequate quantity.
72	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	Complied. Regular training is conducted to all the workers on safety and health aspects of Chemical handling. Please refer to the compliance of condition no. 97 of B.2.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
73	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 and Rules.	Complied. OHC is maintaining all the records and Pre-employment and periodical medical examinations for all the workers are done as per the Factories Act and Rules. Please refer to the compliance of condition no. 98 of B.2.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
74	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.	Complied. Transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act.
75	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied. Unit has implemented all the mitigation and recommendations mentioned in the EIA report.
76	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Complied. Necessary permission has been taken from PESO. Factory Licence has been obtained from Factory Inspectorate (DISH), Govt. of Gujarat.
B.2.5	Noise:	
77	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 and Rules.	Complied. Adequate measures are being taken to keep ambient noise well within the prescribed limits. Monthly Ambient Noise monitoring is being conducted by a MoEF and CC recognized and NABL accredited laboratory. Please refer to the compliance of condition no. 106

		of B.2.5 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
B.2.6	CLEANER PRODUCTION AND WASTE MINIMISATION:	
78	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
79	The company shall undertake various waste minimization measures such as : a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw materials substitutes. c. Use of automated and close filling to minimize spillages. d. Use of close feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high pressure hoses for cleaning to reduce wastewater generation. g. Recycling of washes to subsequent batches. h. Recycling of steam condensate. i. Sweeping / mopping of floor instead of floor washing to avoid effluent generation. j. Regular preventive maintenance for avoiding leakage, spillage etc.	Complied. Unit is undertaking all the measures for waste minimization. Please refer to the compliance of condition no. 108 of B.2.6 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
B.2.7	GREEN BELT AND OTHER PLANTATION	
80	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 Green Belt as per CPCB guidelines within as well as outside the premises and will be continuing necessary activities to continue raising the green belt area. Please refer to the compliance of condition no. 109 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
81	Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	Complied.
B.3	OTHER CONDITION:	
82	Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by	Complied.

	MoEFandCC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no. XX).	
83	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	Complied. Unit assures to provide rain water harvesting at all possible locations and shall reuse the water after pre-treatment.
84	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 will 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 Government / GIDC.
85	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. Unit ensures to use solar energy.
86	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Complied. Dedicated green belt area is embarked for plantation.
87	All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to	Complied. Unit assures to comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
88	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. Unit assures to comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
89	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. Unit has provided the system to close down the operation in the event of failure of any pollution control equipment.

90	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	Noted and Complied Unit is strictly complying with all the conditions stipulated in valid CC&A.
91	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Complied. Unit has provided a garland drain to avoid spillage mixing with stormwater.
92	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 is provided in the areas of chemical handling to prohibit soil contamination.
93	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	Complied. Unit is using only mechanical seal pumps in order to avoid the leakages.
94	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.
95	In 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.	Complied. Unit assures to comply with all the requirements as per the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
96	The project proponent shall comply with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.	Complied. The Unit is doing socioeconomic developmental/community welfare activities in surrounding areas. Please refer to the compliance of condition no. 148 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
97	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 proposed by project proponents.	Complied. Unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report.
98	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEJAA as well as GPCB along with the implementation schedule for all the	Complied

	conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	
99	<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 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.</p>	<p>Complied.</p> <p>Unit has informed the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA / SEAC / GPCB.</p> <p>Advertisement was published in Times of India (in English) and Sandesh (in Gujarati) on 09th November 2019. Proof of the same are attached herewith</p> 

100	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 authority concerned, on 1 st June and 1 st December of each calendar year.	<p>Complied.</p> <p>Unit is submitting the six monthly compliance report on a timely basis.</p>
101	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.	<p>Noted.</p> <p>Unit assures that no False/Fabricated data has been submitted herewith.</p>
102	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	<p>Complied and noted</p> <p>Unit is strictly complying with all the conditions stipulated in valid CC&A.</p>
103	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	<p>Noted.</p>
104	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.	<p>Complied.</p> <p>Company is implementing these conditions in a time bound manner.</p>
105	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.	<p>Not Applicable as the Unit has not taken any loan from any bank. The project was self financed.</p>

106	This environmental clearance is valid for seven years from the date of issue.	Noted.
107	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.
108	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. Unit assures that no False/Fabricated data has been submitted herewith.

**Environment Compliance Report of
EC File No.SEIAA/GUJ/EC/5(f)/101/2020
Dated 05/02/2020**

Environment Clearance Compliance report for period October 24 to March 25

File No.: SEIAA/GUJ/EC/5(f)/101/2020 dated 05/02/2020

Sr. No:	Condition	Compliance
1	<p>In continuation to the Environment Clearance accorded by the SEIAA vide order no. SEIAA/GUJ/EC/5(f)/1412/2019 dated 04/11/2019; we have received your application vide No. SIA/GJ/IND2/125216/2019 seeking correction in typographic error. In this regard kindly note below.</p> <p>Correction No. 1 – The plot No. shall be read as "778" Instead of "758/1-2-3".</p> <p>Rest of the condition of order no. SEIAA/GUJ/EC/5(f)/1412/2019 dated 04/11/2019 will remain unchanged.</p>	Noted.

**Environment Compliance Report of
EC File No.SEIAA/GUJ/EC/5(f)/335/2016,
Dated: 20/05/2016**

Environment Clearance Compliance report for period October 24 to March 25

File No.: SEIAA/GUJ/EC/5(f)/335/2016, Dated: 20/05/2016

Sr. No.	Name of Product	Capacity MT/Month	Compliance
1	Hydrogen Gas	3000 NM ³ /Hr	Complied.
2	Purification of O/P/M Phenylene Di Amine	1500	Please refer production details as mentioned in the EC compliance report of EC file No. SEIAA/GUJ/EC/5(f)/1470/2022.
3	Calcium Chloride	6000	The production quantity is well within the permitted capacity.
I	Chlorination Products		
1	Mono Chloro Benzene/Ortho Dichloro Benzene/Para Dichloro Benzene	6000	Complied. Please refer production details as mentioned in the EC compliance report of EC file No. SEIAA/GUJ/EC/5(f)/1470/2022. The production quantity is well within the permitted capacity.
2	1,2,3/1,2,4 Tri Chloro Benzene OR		
3	Ortho Chloro Toluene / Para Chloro Toluene OR		
4	2-Chloro 4-Nitro Toluene OR		
5	6-Chloro 2-NitroToluene 4-Chloro 2-Nitro Toluene OR		
6	Pivalyl Chloride OR		
7	2-Ethyl Hexanyl Chloride Or		
8	Iso Nonyl Chloride OR		
9	2,4,6 Trichloro Aniline (TCAN) OR		
II	Hydrogenated Products		
1	Ortho Toludene OR	3000	Complied. Please refer production details as mentioned in the EC compliance report of EC file No. SEIAA/GUJ/EC/5(f)/1470/2022. The production quantity is well within the permitted capacity.
2	Meta/Ortho/Para Chloro Aniline OR		
3	3,4 DiChloro Aniline/ 2,3 DiChloro Aniline/ 2,5 DiChloro Aniline OR		
4	2,4 Dichloro Aniline/ 2,6 DiChloro Aniline/ 3,5 DiChloro Aniline OR		
5	2,4,5 Trichloroaniline OR		

6	Meta/ Ortho/ Para Phenylene Di Amine OR		
7	3,4 Diamino Diphenyl Ether / 4,4 Diamino Diphenyl Ether OR		
8	Ortho/Para/MetaAnisidine OR		
9	Chloro Fluoro Aniline OR		
10	Ortho/Para/Meta Cumidine OR		
11	Para/Meta Amino Phenol OR		
12	Toluidines OR		
13	Aniline OR		
14	Para/ Meta/ Ortho Fluoro Aniline OR		
15	Di Fluoro Aniline (1:3) OR		
16	Di Fluoro Benzene (1:3) OR		
17	4-Fluoro-N-Isopropyl Aniline OR		
18	4-Chloro-NIsopropyl Aniline OR		
19	2 Methoxy 4 NitroAniline (Scarlet R - from partial hydrogenation of 24 DinitroAnisole) OR		
20	2,4 Di Amino Anisole		
21	N-N Disec Butyl PPDA OR		
22	Meta Xylidine OR		
23	4 Chloro 25 Dimethoxy Aniline OR		
24	N,N Di Sec butyl paraphenylene Diamine		
III	Nitration Products		
1	3,4 Di Chloro Nitro Benzene/ 2,5 DiChloro Nitrobenzene/2,3 DiChloro Nitrobenzene OR	2000	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products
2	2,4,5 Tri Chloro Nitro Benzene/2,3,4 Tri Chloro Nitro Benzene OR		
3	4-Nitro N-methyl Phtha-limide OR		

4	2EHN (Ethyl Hexanol Nitration) OR		
IV	Nitro Anisole		
1	Ortho Nitro Anisole OR	1200	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products
2	Para Nitro Anisole OR		
3	2,4-Di Nitro Anisole OR		
4	2, Methoxy 5 Chloro Nitro Benzene (from 2,5 DCNB)		
VI	Di Nitro Chlorination		
1	2,6 Dichloro Floro Benzene	1200	Presently the unit is having Partial CC&A. Unit is yet to apply for CC&A Amendment for these products
2	2,6 Dichloro Benzonitrile		
3	Meta Dichlorobenzene		
4	2,4 Difluoro Chloro Benzene		
5	2,4 DiChloro Fluoro Benzene		
6	1,3 Dichloro 4,6 Difluorobenzene		
7	Para Fluoro Chloro Benzene		
8	Ortho Fluoro Chloro Benzene		
BY PRODUCTS			
1	Steam (By-Product)	136.56 KL/Day	Complied. Please refer production details as mentioned in the EC compliance report of EC file No. SEIAA/GUJ/EC/5(f)/1470/2022. The production quantity is well within the permitted capacity.
2	Sodium Chloride	2069	Compiled. As per EC No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of issue: 30/05/2022, Sodium Chloride and Ortho Nitro Phenol (ONP) are removed from the By-product list. Presently the unit is having partial CCA for Sodium Chloride and yet to apply for

3	Ortho Nitro Phenol	41	Ortho Nitro Phenol (ONP). However, both are not being generated at present.
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Sr. No.	CONDITIONS	COMPLIANCE
A.	CONDITIONS:	
A.1 SPECIFIC CONDITION:		
1.	Entire quantity of (1) Sodium Chloride [2069 MT/Month] and (2) Ortho Nitro Phenol [41 MT/Month] shall be sell out to the actual end users.	Complied. As per EC No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of issue: 30/05/2022, Sodium Chloride and Ortho Nitro Phenol (ONP) are removed from the By-product list. Presently the unit is having partial CCA for Sodium Chloride and yet to apply for Ortho Nitro Phenol (ONP). However, both are not being generated at present. Unit will sell the entire quantity of Sodium Chloride and Ortho Nitro Phenol once generated with proper MoU by manifest system through dedicated Hazardous waste vehicle with Active GPS system.
2.	Spent HCL - 30percentage (12106 MT/Month) shall be utilized as captive consumption for the manufacturing of Calcium Chloride to the maximum extent and if need arises, excess Spent HCl - 30percentage shall be sold to the authorized actual end users.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
3.	Spent Sulphuric Acid - 72percentage (775 MT/Month) shall be sold to the authorized actual end users.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
4.	Unit shall strive to exploring utilization of spent sulphuric acid by converting it into the valuable products within the premises.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
5.	Above mentioned items/wastes streams qualifying the Hazardous and Other Waste	Complied. The stated condition has been amended. Hazardous waste

	(Management and Transboundary Movement) Rules 2016 shall only be sold after obtaining prior permission from CPCB/SPCB/PCC.	is managed by the unit in accordance with the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
6.	The unit shall install and commission the spent acid concentration plant II proposed at organic division before commencement of production.	Complied. The stated condition has been amended. Hazardous waste is managed by the unit in accordance with the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
7.	The above mentioned By-product/hazardous wastes shall be sold only to the potential users who are authorized by the competent authority (MoEF/CPCB/SPCB etc.)	Complied. Hazardous waste is managed by the unit in accordance with the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
8.	The unit shall submit the list of authorized end users of above mentioned by-products/hazardous wastes along with MoU signed with them for at least two months in advance prior to commencement of production. In absence of potential buyers of these items the unit shall restrict the production of respective item.	Complied. Please refer to the compliance of condition no. 78 of B.2.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
9.	The schedule of the production activity shall be in such a way that there shall be no increase in pollution load with respect of air, water and hazardous waste as proposed in the EIA-EMP report.	Complied. Unit ensures the schedule of the production activity in such a way that there is no increase in pollution load with respect to air, water and hazardous waste as approved in EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022. <ul style="list-style-type: none"> • Water consumption is under permissible limits. • Ambient Air Monitoring is being done weekly twice. • All process stacks and Flue gas stacks are analyzed monthly once by an external monitoring agency approved by NABL. • Noise Analysis is done monthly once. • Hazardous waste generation is within permissible limits.

10.	Spent solvents shall be recovered by in-house distillation in such a manner that recovery shall not be less than 98 percent and recovered solvent shall be reused in the process. Solvent recovery system with adequate reflux condensers shall be provided for controlling escape of low boiling solvents (VOCs).	Complied Solvent recovery systems with adequate reflux condensers are provided for controlling escape of low boiling solvents (VOCs). Recovered solvents are being used in the process to the extent possible.
11.	All measures shall be taken to prevent soil and groundwater contamination.	Complied. Please refer to the compliance of condition no. 10 of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
12.	The project proponent shall submit the detailed study report to Gujarat Pollution Control Board (GPCB) at least once in a year, through the reputed institute or university to assess the impacts on soil and ground water quality, if any, due to application of the treated sewage and shall adopt the additional mitigation measures as may be suggested through such studies.	Complied Unit has conducted m/s. Sarvajanik College of Engineering and Technology for the evaluation of the ETP Performance and adequacy. However, the stated condition is not included in amended EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
A.2 WATER:		
13.	Total water consumption for proposed expansion shall not exceed 2417 KL/Day. Unit shall reuse recovered water to the tune of 668 KL/Day. Hence, fresh water requirement for the proposed expansion shall not exceed 1749 KL/Day.	Complied. The stated condition has been amended. Water Consumption is consumed by the unit in accordance with the compliance of condition no. 13 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
14.	The additional fresh water shall be sourced from GIDC. The water meter shall be installed and records of daily and monthly water consumption shall be maintained. No ground water shall be tapped for the project requirements in any case.	Complied. The stated condition has been amended. Water Consumption is consumed by the unit in accordance with the compliance of condition no. 13 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022. No groundwater is being tapped for utilization. The unit is only using water from GIDC.
15.	Total Industrial waste water generation after proposed expansion shall not exceed 408.336 KL/Day (Existing 33.336 KL + 375 KL)	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 15 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

16.	Effluent generated from the existing unit shall be treated in provided RO system [100 KL/day], Evaporator [2 KL/day], Tube settler [5 KL/day] and Nutch Filter [0.5 KL/day].	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 16 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
17.	Additional waste water generated from the proposed expansion shall be treated in proposed facility comprising primary, secondary, tertiary treatment plants, RO plants and MEE (Capacity : 70 KL/day) to achieve zero discharge.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 15 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
18.	Total 168 KL/Day of effluent from process and washing shall be treated in ETP followed by RO-2, RO-4 and MEE.	Complied. The stated condition has been amended. Industrial effluent is managed by the unit in accordance with the compliance of condition no. 16, 17 and 18 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
19.	Total 207 KL/day effluent from utilities shall be treated in RO-3, RO-4 and MEE.	Complied. The stated condition has been amended. Industrial effluent is managed by the unit in accordance with the compliance of condition no. 16, 17 and 18 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
20.	Unit shall recycle recovered water to the tune of 668 KL/day (298.28 KL from existing and 369.72 KL from proposed expansion).	Complied. The stated condition has been amended. Industrial effluent is managed by the unit in accordance with the compliance of condition no. 16, 17 and 18 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
21.	Total domestic waste water of 38 KL/day shall be treated in proposed STP (Capacity : 40 KL/day) and shall be utilized for gardening/plantation within premises.	Complied. The stated condition has been amended. Domestic wastewater is managed by the unit in accordance with the compliance of condition no. 19 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
22.	The treated domestic effluent conforming to the MoEF/CPCB/GPCB norms shall be utilized on land within premises for plantation/ Gardening/ Green Belt. During monsoon season when treated effluent may not be required for the plantation/ Gardening / Green belt purpose, it shall be stored within premises and there shall be no discharge of wastewater outside the premises in any case.	Complied. Treated domestic wastewater is managed by the unit in accordance with the compliance of condition no. 20 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

23.	The unit shall provide flow meter / totalizer for measuring effluent treated and reuse and maintain daily records of the same.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 21 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
24.	Proper Logbook of the ETP, RO, MEE and STP operation, effluent quality and quantity, chemical and power consumption etc. shall be maintained and shall be furnished to GPCB from time to time.	Complied. Please refer to the compliance of condition no. 22 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
25.	No effluent from the plant shall be discharged outside the factory premises and process effluent/any wastewater shall not be allowed to mix with storm water.	Complied. Please refer to the compliance of condition no. 17 and 20 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
26.	The unit shall provide metering facility at the inlet and outlet of the Effluent treatment Plant, RO system, MEE plant and STP and maintain the records of the same.	Complied. Please refer to the compliance of condition no. 21 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
27.	Regular performance evaluation of the ETP shall be undertaken every year to check its adequacy, through a reputed institute / organization and its records shall be maintained.	Complied. Unit has conducted m/s. Sarvajanik College of Engineering and Technology for the evaluation of the ETP Performance and adequacy. However, the stated condition is not included in amended EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
28.	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 Government / GIDC.	Complied. Unit will 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 Government / GIDC.
A.3 AIR:		
29.	Imported coal to the tune of 11.02 MT/hr shall be used as a fuel for each Steam Boiler having capacity 30 TPH (2 Boilers).	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 23 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

30.	Imported coal to the tune of 14.57 MT/hr shall be used as a fuel for CaCl ₂ dryer.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 23 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
31.	Unit shall provide separate ESP as APCM for each Boiler.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 23 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
32.	Unit shall provide Wet scrubber as CaCl ₂ dryer vent.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 25 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
33.	Unit shall provide separate set of falling film absorber followed by Alkali Scrubber to control emission of HCl from CaCO ₃ reactor vent and to control emission of HCl and Cl ₂ from Chlorinator vent.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 25 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
34.	Unit shall provide caustic scrubber to control emission of NO _x from Nitration vent.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 25 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
35.	Diesel to the tune of 850 Lit./hr shall be used for existing DG sets (650 KVA * 2 Nos and 750 KVA * 3 Nos).	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 23 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
36.	Diesel to the tune of 1080 Lit./hr shall be used for the proposed 4 nos of DG sets (Cap. 1000 KVA each).	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 23 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
37.	Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	Complied. The unit has provided Acoustic enclosure to all the DG Set to mitigate the noise pollution.
38.	Flue gas emissions from Boilers, DG set and any gaseous emissions shall conform to the standards prescribed by the GPCB/CPCB/MoEFandCC. At no time, emission level should go beyond the stipulated standards.	Complied. Please refer to the compliance of condition no. 23 and 25 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
39.	The air pollution system shall be operated	Complied.

	efficiently and effectively to achieve the norms prescribed by the GPCB/CPCB/MoEFandCC at vent / stack outlets.	Unit has provided adequate APCMs in the existing process gas generation sources and is achieving norms as per standards mentioned in CC&A.
40.	Third party monitoring of the functioning of Air APCMs with its efficiency shall be carried out once in a year through a reputed Institute / organization.	Complied. Unit has provided adequate APCMs in the existing flue gas and process gas generation sources and is achieving the norms as per standards mentioned in CC&A. Please refer to the compliance of condition no. 23 and 25 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022. All Analysis results are well within limits. Hence, the efficiency of APCM is good.
41.	The company shall prepare schedule and carry out regular preventive maintenance of APCMs and assign responsibility of preventive maintenance to the senior officer of the company.	Complied. Unit has a proper schedule for preventive maintenance of APCMs. According to the schedule, preventive maintenance is carried out regularly.
42.	<p>The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety and Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.</p> <ul style="list-style-type: none"> ➤ Enclosure shall be provided at Bio-fuel loading and unloading operations. ➤ 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. ➤ Bio-fuel shall be transported through covered trucks only whereas fly ash shall be transported through closed trucks only. ➤ A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive and transport dust emission. 	Complied. Please refer to the compliance of condition no. 26 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
43.	All the vessels used in the manufacturing	Complied.

	process shall be closed to reduce the fugitive emission.	Please refer to the compliance of condition no. 28 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
44.	Regular performance evaluation of the air pollution control systems shall be carried out at least once in a year through a reputed Institute / organization and its records shall be maintained.	Complied. Unit has provided adequate APCMs in the existing flue gas and process gas generation sources and is achieving the norms as per standards mentioned in CC&A. Please refer to the compliance of condition no. 23 and 25 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022. All Analysis results are well within limits. Hence, the efficiency of APCM is good.
45.	Measures shall be taken to reduce the process vapour emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have a vapour recovery system.	Complied Solvent recovery systems with adequate reflux condensers are provided for controlling escape of low boiling solvents (VOCs). Recovered solvents are being used in the process to the extent possible. Unit is doing nitrogen blanketing for reduction of emission of toxic VOC as well as the unit will also provide vent condensers for maximum recovery of VOC.
46.	All the vessels used in the manufacturing process shall be close to reduce the fugitive emission.	Complied. All vessels used in the manufacturing process are closed. Unit is monitoring the fugitive emission in the work zone as per the prescribed standards.
47.	Solvent management shall be carried out as follows: 1. Reactor shall be connected to chilled brine condenser system to condensate solvent vapors and reduce solvent losses. 2. Reactor and solvent handling pump shall have mechanical seals to prevent leakages. 3. The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% solvent recovery. 4. Solvents shall be stored in a separate space specified with all safety measures. 5. Proper earthing shall be provided in all the electrical equipment wherever	Complied Solvent recovery systems with adequate reflux condensers are provided for controlling escape of low boiling solvents (VOCs). Recovered solvents are being used in the process to the extent possible. Unit assures to comply all the design strictly followed for 1. Reduction of solvent losses by providing vent chillers. 2. All the solvent handling pumps are with mechanical seals for reduction of leakages during pumping. 3. Unit will follow standard design as per code for maintaining the recovery above 95% in all solvent recovery. 4. Unit assure you that Unit will follow all the guidelines as per PESO for storage and handling of solvents. 5. Unit will provide earthing to all solvent handling equipment as well and piping as per standard and maintain records of it for healthiness. 6. Unit has provided flameproof fittings and system for the entire plant and solvent storage with breather valve provision.

	<p>solvent handling is done.</p> <p>6. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.</p>	
48.	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.	<p>Complied.</p> <p>Please refer to the compliance of condition no. 27 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
49.	<p>For control of fugitive emission, VOCs, following steps shall be followed:</p> <ol style="list-style-type: none"> Closed handling and charging system shall be provided for chemicals. Reflux condenser shall be provided over Reactors / Vessels. Pumps shall be provided with mechanical seals to prevent leakages. System of leak detection and repair of pump/pipeline based on preventive maintenance. 	<p>Complied.</p> <p>Please refer to the compliance of condition no. 28 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
50.	Airborne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosure.	<p>Complied.</p> <p>Water sprinklers in the Coal storage yard and ash handling system are provided to avoid dusting.</p>
51.	System of leak detection and repair of pump/pipeline based on preventive maintenance.	<p>Complied.</p> <p>Unit is adhering to internal guidelines for LDAR prepared based on the MoEF notification G.S.R.186 (E): Fugitive emission. Unit is carrying out quarterly LDAR monitoring. Please refer to the compliance of condition no. 5 of A.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
52.	Regular monitoring of ground level concentration of SO ₂ , NO _x , PM ₁₀ , PM _{2.5} , HCl, Cl ₂ , HC and VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by 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	<p>Complied.</p> <p>Unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) covering all the parameters at upwind and downwind location (at 3 specific locations) by a MoEFandCC approved and NABL Accredited laboratory. All results are well within the prescribed limits.</p> <p>Please refer to the compliance of condition no. 29 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>

	consultation with the GPCB.	
A.4 SOLID/HAZARDOUS WASTE:		
53.	The company shall strictly comply with the rules and regulation with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	Complied. Unit is strictly complying with the regulatory norms and maintaining the records with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
54.	Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility before its disposal.	Complied. All the hazardous waste is stored in the designated storage area with a pucca bottom and proper leachate collection facility.
55.	Silica and Insulation waste shall be disposed off at the nearby common TSDF	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
56.	Spent catalyst shall be sale out to registered regenerators.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
57.	Process residue and Distillation residue shall be sent to Common Hazardous Waste Incineration Facility (CHWIF).	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
58.	Discarded barrels / containers / bags / liners shall be either reused or returned back to suppliers or solid only to the authorized vendors after decontamination.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
59.	Used oil shall be sold only to the registered recyclers.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

60.	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF.	Complied. Please refer to the compliance of condition no. 71 of B.2.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
61.	Vehicles 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 following the Motor Vehicle Act, 1988 and rules for the vehicles transporting hazardous waste. Waste is sent by Manifest System through Dedicated Hazardous waste vehicle with Active GPS system.
62.	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied. Unit is already following the co-processing of hazardous waste as a mode of disposal wherever possible.
63.	The fly ash shall be supplied to the manufacturers of fly ash based products such as cement, concrete blocks, bricks, panels, etc. The unit shall strictly comply with the Fly Ash Notification under EPA and it shall be ensured that there is 100 percentage utilization of fly ash to be generated from the unit.	Complied 100percentage Fly ash supplied only to the authorized brick manufacturers having proper MoU with them. Please refer to the compliance of condition no. 47 of B.1 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
A.5 SAFETY:		
64.	The company shall strictly comply with the rules and regulations under Manufacture, Storage and Impact of Hazardous Chemicals Rules, 1989 as amended.	Complied. The company is strictly complying with the rules and regulations under Manufacture, Storage and Impact of Hazardous Chemicals Rules, 1989 as amended.
65.	The project authority shall strictly comply with the provisions made in Manufacture, Storage and Impact of Hazardous Chemicals Rules, 1989 as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosive and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.	Complied Please refer to the compliance of condition no. 81 of B.2.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

66.	Storage of flammable chemicals shall be sufficiently away from the production area.	Complied. Dedicated storage facility of flammable chemicals provided at safer distance from production area as per PESO approval.
67.	Sufficient no. of fire extinguishers shall be provided near the plant and storage area.	Complied. Sufficient no. of fire hydrant system and extinguishers are provided near the plant and storage area.
68.	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.	Complied. All necessary precautionary measures are taken to avoid any kind of accident during storage and handling of toxic/hazardous chemicals. HAZOP and Risk assessment system is in place. Induction/Refresher/specific training system is carried out on a regular basis for all employees. Sufficient PPE like Helmet, Goggles, Safety Belt, Ear Plug, PVC Apron, Dust Mask, Rubber Gloves etc has been provided to all the workers and necessary care is taken to assure strict usage of PPEs.
69.	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. All the toxic/hazardous chemicals are stored in optimum quantity and all necessary permissions in this regard are obtained before commencing the expansion activities. Maintaining the storage concept.
70.	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	Complied. Unit strictly comply with all the mitigation measures and safeguards that are suggested in the Risk Assessment report.
71.	Only flameproof electrical fittings shall be provided in the plant premises.	Complied. Only flameproof electrical fittings are provided in the plant premises. Please refer to the compliance of condition no. 89 of B.2.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
72.	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.	Complied. Unit is ensuring minimum storage of hazardous chemicals. Most of our raw materials are handled through small capacity tanks/containers.

73.	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.	Complied. <ul style="list-style-type: none"> • Dyke walls have been provided for all storage tanks. • Closed loops systems to transfer the materials to avoid leakage/ spillage. • Level transmitter/Level gauge provided to hazardous chemical storage tanks to avoid overflow. • Breather valve/safety valve/flame arrestor provided to hazardous chemical storage tanks as appropriate. • Close monitoring through the DCS panel. • Maximum allowable storage level is 80 percentage of total capacity. • Hazardous chemical storage areas are fenced properly to avoid unauthorized entry.
74.	Handling and charging of the chemicals shall be done in closed manner by pumping or vacuum transfer so that minimal human exposure occurs.	Complied. Unit strictly follows all the standards for handling and pumping or vacuum transfer of chemicals for reduction of human exposure.
75.	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.	Complied Yes Unit has tie up with nearby health care units. (Jayaben Modi Hospital, 32 Kms) Please refer to the compliance of condition no. 93 of B.2.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
76.	Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.	Complied. Sufficient PPE like Helmet, Goggles, Safety Belt, Ear Plug, PVC Apron, Dust Mask, Rubber Gloves etc has been provided to all the workers and necessary care is taken to assure strict usage of PPEs.
77.	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied First Aid Box and required Antidotes for the chemicals used in the unit are made readily available in adequate quantity.
78.	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	Complied. Regular training is conducted to all the workers on safety and health aspects of Chemical handling. Please refer to the compliance of condition no. 97 of B.2.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
79.	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	Complied. OHC is maintaining all the records and Pre-employment and periodical medical examinations for all the workers are done as per the Factories Act and Rules. Please refer to the compliance of condition no. 98 of B.2.4 of EC File No.

	Factory Acts and Rules.	SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
80.	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.	Complied. Transportation of hazardous chemicals is being done as per the provisions of the Motor Vehicle Act.
81.	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied. Unit has implemented all the mitigation and recommendations mentioned in the EIA report .
82.	Necessary permissions from various authorities like PESO, Factory Inspectors and others shall be obtained prior to commissioning of the project.	Complied. Necessary permission has been taken from PESO. Factory Licence has been obtained from Factory Inspectorate (DISH), Govt. of Gujarat.
A.6 NOISE:		
83.	The overall noise level in and around the plant area shall be kept 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 confirm to the standards prescribed under The Environment (Protection) Act, 1986 and Rules.	Complied. Adequate measures are being taken to keep ambient noise well within the prescribed limits. Monthly Ambient Noise monitoring is being conducted by a MoEFFandCC recognized and NABL accredited laboratory. Please refer to the compliance of condition no. 106 of B.2.5 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
A.7 CLEANER PRODUCTION AND WASTE MINIMIZATION:		
84.	The company shall undertake various waste minimization measures including: a) Metering and control of quantities of active ingredients to minimize waste. b) Use of automated and enclosed filling to minimize spillage. c) Use of close feed system into batch reactors. d) Regular preventive maintenance for avoiding leakage, spillage etc. e) Dry cleaning / mopping of floor instead of floor washing. f) Regular preventive maintenance for avoiding leakage, spillage etc.	Complied. Unit is undertaking all the measures for waste minimization. Please refer to the compliance of condition no. 108 of B.2.6 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
A.8 GREEN BELT AND OTHER PLANTATION:		
85.	The unit shall develop green belt within	Complied.

	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.	The unit has developed Green Belt as per CPCB guidelines within as well as outside the premises and will be continuing necessary activities to continue raising the green belt area. Please refer to the compliance of condition no. 109 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
B.	OTHER CONDITIONS:	
86.	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down the shall not be restarted until the desired efficiency of the control equipment has been achieve.	Complied. Unit has provided the system to close down the operation in the event of failure of any pollution control equipment.
87.	All the recommendations / commitments made in the EIA report of the project prepared by M/s. Jyoti Om Chemical Research Centre Pvt. Ltd., Ankleshwar and submitted vide letter no. NIL date 09/02/2015 shall be implemented in letter and spirit.	Complied. All the recommendations / commitments made in the EIA report are implemented.
88.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB).	Complied Unit strictly adheres to the stipulations made by the Gujarat Pollution Control Board (GPCB).
89.	During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or stormwater.	Complied. Unit has provided a garland drain to avoid spillage mixing with stormwater.
90.	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 is provided in the areas of chemical handling to prohibit soil contamination.
91.	Leakages from the pipes, pumps shall be minimal and if occurs shall be arrested promptly.	Complied. Unit is using only mechanical seal pumps in order to avoid the leakages.
92.	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without	Complied. Unit has taken the following Environment Clearances: 1. File No.: SEIAA/GUJ/EC/5(f)/342/2017, Date of Issue:

	obtaining prior Environment Clearance from the concerned authority.	<p>30/12/2017,</p> <p>2. File No.: SEIAA/GUJ/EC/5(f)/894/2019, Date of Issue: 19/06/2019,</p> <p>3. File No.: SEIAA/GUJ/EC/5(f)/1595/2020, Date of Issue: 24/12/2020,</p> <p>4. File No.: SEIAA/GUJ/EC/5(f)/1161/2021, Date of Issue: 02/07/2021,</p> <p>5. File No.: SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022,</p> <p>6. File No.: SEIAA/GUJ/EC/5(f)/2533/2022, Date of Issue: 28/10/2022</p> <p>The unit will take EC amendment if further expansion or modifications in the plant.</p>
93.	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 and Other Waste (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	<p>Complied.</p> <p>Unit assures to comply with all the requirements as per the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.</p>
94.	The company shall undertake socio-economic developmental / community welfare activities as per the CSR Rules 2014.	<p>Complied.</p> <p>The Unit is doing socioeconomic developmental/community welfare activities in surrounding areas. Please refer to the compliance of condition no. 148 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
95.	The project proponent shall comply with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.	<p>Complied.</p> <p>The Unit is doing socioeconomic developmental/community welfare activities in surrounding areas. Please refer to the compliance of condition no. 148 of B.2.7 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
96.	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 proposed by project proponent.	<p>Complied.</p> <p>Unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report.</p>

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		of granted EC from SEIAA, Gandhinagar.
99.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Complied. Unit assures to comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
100.	It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned . on 1st June and 1st December of each calendar year.	Complied. Unit is submitting the six monthly compliance report regularly.
101.	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. Unit assured that no False/Fabricated data is submitted herewith.
102.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied. Unit is adhering to stipulations of Gujarat Pollution Control Board.
103.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
104.	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.	Complied. Company is implementing these conditions in a time bound manner.
105.	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.	Not Applicable as the Unit has not taken a loan from any bank. The project was self financed.

106.	This environmental clearance is valid for seven years from the date of issue.	Noted.
107.	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.

**Environment Compliance Report of
EC File No.SEIAA/GUJ/EC/5(f)/1342/2017,
Dated: 30/12/2017**

Environment Clearance Compliance report for period October 24 to March 25

File No.: SEIAA/GUJ/EC/5(f)/1342/2017, Dated: 30/12/2017

Sr. No.	CONDITIONS	COMPLIANCE
1.	Subject of the Environmental clearance order no. SEIAA/GUJ/EC/5(f)/335/2016, Dated: 20/05/2016 have been amended and shall be read as under: Sub: Environmental Clearance to M/s. Aarti Industries Limited for setting up of the proposed expansion for manufacturing of Synthetic organic chemicals at Plot no: 756/4: AandB, 756/6 and 779,756: 2A and2B and 756: 3A and 3B GIDC- Jhagadia, Dist: Bharuch In Category 5(f) of Schedule annexed with EIA Notification dated 14/09/2006	Noted. The stated condition has been amended. Please refer to the EC File No. SEIAA/GUJ/EC/5(f)/2533/2022, Date of Issue: 28/10/2022.
2	Rest of the conditions of the Environment Clearance orders of SEIAA/GUJ/EC/5(f)/335/2016 dated 20/05/2016 shall remain unchanged.	Noted.

**Environment Compliance Report of
EC File No.SEIAA/GUJ/EC/5(f)/894/2019,
Dated: 19/06/2019**

Environment Clearance Compliance report for period October 24 to March 25

File No.: SEIAA/GUJ/EC/5(f)/894/2019 Dated 19/06/2019

SR. NO.	CONDITIONS	COMPLIANCE
1.	Condition No. 16, 17, 18, 19, 20, 21, 24, 25, 26, 27, 29 and 55 of the environmental clearance order no. SEWAAIGUJIEC/S(f)/335/2016 dated 20/05/2016 and amended vide letter No. SEIAAIGUJ/EC/5(f)/1342/2017 dated 30/12/2017 have been amended and shall be read as under:	Noted.
Condition no 16.	Total industrial effluent generated (408.336 KLD) shall be send to the sister concern unit i.e. Aarti Industries Ltd (Unit-I), Plot No. 758/1, 2 and 3, GIDC Estate, Jhagadia, Dist: Bharuch Located at adjoining plot for treatment.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 16 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
Condition no 17.	Unit shall provide separate pipelines with individual marking for concentrate and dilute effluent generated from process and from utilities sending to the sister concern unit i.e. Aarti Industries Ltd (Unit-I) located at the adjoining plot for treatment.	
Condition no 18.	Unit shall recycle recovered water to the tune of 643.28 KLD (273.28 KL from Aarti Industries Limited (Unit-II) + 370 KLD from combined ETP located at sister concern unit i.e. Aarti Industries Limited (Unit-I))	
Condition no 19.	Unit shall provide separate pipeline with individual marking for recovered water from sister concern unit i.e. Aarti Industries Limited (Unit-I)	
Condition no 20.	Recovered water from combined ETP of Unit I of 370 KLD and recovered water of 273.28 from within premises shall be reused in cooling tower and process.	
Condition no 21.	The domestic wastewater (38 KLD) shall	Complied.

	be send to sister concern unit i.e. Aarti Industries Ltd (Unit-I) Located at the adjoining plot for treatment in Combined STP and after treatment the treated domestic wastewater 30 KLD shall be received back and utilized for gardening/plantation within own premises.	The stated condition has been amended. Please refer to the compliance of condition no. 19 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
Condition no 24.	Proper Logbook of the effluent quantity and quality send to sister concern unit i.e. Aarti Industries Ltd (Unit-I) located at the adjoining plot, reuse etc. shall be maintained and shall be furnished to the GPCB from time to time.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 22 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
Condition no 25.	Effluent shall be send to the sister concern unit i.e. Aarti Industries Limited (Unit-I) for treatment in combined ETP and shall not be allowed to discharge anywhere else or not allowed to mix with storm water.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 16 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
Condition no 26.	The unit shall provide metering facility at the outlet and inlet of the wastewater discharging to the sister concern unit i.e. Aarti Industries Ltd (Unit-I) located at the adjoining plot and maintain the record for the same.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 21 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
Condition no 27.	Regular performance evaluation of the combined ETP shall be undertaken every year to check its adequacy, through a reputed institute/organization and its records shall be maintained.	Complied. ETP performance is being evaluated and monitored on a regular basis.
Condition no 29.	Imported coal to the tune of 11.02 MT/hr shall be used as a fuel for each Steam Boiler having capacity 30 TPH (2 Boilers).	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 23 of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
Condition no 55.	Silica and Insulation waste shall be disposed off at the nearby common TSDF	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 30 of A.4 of EC File No.

		SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
2.	The following conditions shall be added in environmental clearance order no. SEIAA/GUJ/EC/5(f)/335/2016 dated 20/05/2016 and amended vide letter no. SEIAA/GUJ/EC/5(f)/1342/2017 dated 30/12/2017 and shall be as under:	<p>Complied.</p> <p>The stated condition has been amended.</p> <p>Please refer to the compliance of condition no. 30 of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>

➤ Hazardous waste management shall be as under:							
Sr. No.	Type of Hazardous Waste	Source of Generation	As per CTE-72020	Proposed Scenario	Total after EC Amendment	Category No.	Mode of Disposal
1.	ETP Residue after evaporation	ETP Plant	50 MT/Y	-50 MT/Y	0	35.3	Collection, Storage within factory premises. Transportation and disposal at common TSDF by M/s BEIL Ankles hwar
	ETP Waste		2880 MT/Y	-2880 MT/Y	0		
		Silica	Calcium Chloride Process	10840 MT/Y	0		10840 MT/Y
2.	Used oil	Utility	18.4 MT/Y	0	18.4 MT/Y	5.1	Collection, storage, transportation. Disposal by selling to registered re-

Office : Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010 Page 2 of 3

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							processor.
3.	Empty Barrels & Empty HDPE bags	Raw material storage area	33 MT/Y	0	33 MT/Y	33.1	Collection, storage, transportation, decontamination. Disposal by sending back to raw material supplier.
	Discarded Containers /Bags		15 MT/Y	0	15 MT/Y		Collection, storage, transportation & disposal by sale to registered recyclers/ waste filling.
4.	Distillation residue & waste	Process Area	1404 MT/Y	0	1404 MT/Y	28.1	Collection, storage, transportation & disposal by incineration at CHWIF-BEIL/ SEPPL
5.	Process residue	Process Area	1613 MT/Y	0	1613 MT/Y	26.1	Collection, storage, transportation & disposal at approved incineration facility.
6.	Spent Catalyst	Process Area	235 MT/Y	0	235 MT/Y	35.2	Collection, storage, transportation & disposal by sale to registered regenerators.
7.	Hydrochloric acid (30%)	Process Area	145272 MT/Y	0	145272 MT/Y	D2	Collection, storage, transportation & reused in manufacturing of CaCl ₂ OR sold to authorized actual end users.
8.	Spent sulphuric acid	Process Area	9300 MT/Y	0	9300 MT/Y	D2	Collection, storage, transportation & sold to authorized actual end users.

Rest of all the conditions of the Environment Clearance orders no SEIAA/GUJ/EC/5(f)/335/2016 dated 20/05/2016 and amended vide letter No. SEIAA/GUJ/EC/5(f)/1342/2017 dated 30/12/2017 shall remain unchanged.

**Environment Compliance Report of
EC File No.SEIAA/GUJ/EC/5(f)/1595/2020,
Dated: 24/12/2020**

Environment Clearance Compliance report for period October 24 to March 25

File No.: SEIAA/GUJ/EC/5(f)/1595/2020 Dated 24/12/2020

Sr. No.	CONDITIONS	COMPLIANCE
1.	Condition no. 18, 19 and 20 of the environment clearance order no. SEIAA/GUJ/EC/5(f)/335/2016, dated 20.05.2016 have been amended and shall be read as under:	
I.	Subject shall be amended and read as under: Environment Clearance to M/s. Aarti Industries Limited for setting up of the proposed expansion for manufacturing of synthetic organic chemicals at plot no. Plot no. 756/2A and 2B, 756/4A and B, 756/7 , 756/5A and B, 756/6 and 779, 756: 3A and 3B GIDC -Jhagadia, Dist: Bharuch..... In category- 5(f) of the schedule annexed with EIA notification dated: 14/09/2006.	Noted. The stated condition has been amended. Please refer to the subject of EC File No. SEIAA/GUJ/EC/5(f)/2533/2022, Date of Issue: 28/10/2022.
II	Condition No. 18 shall now be read as under: Total 179.336 KL/Day of effluent from process, washing and ejector shall be treated in ETP followed by RO and MEE.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 16 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
III	Condition No. 19 shall now be read as under: Total 221 KL/day effluent from utilities shall be treated in RO and MEE.	
IV	Condition No. 20 shall now be read as under: Unit shall recycle recovered water to the tune of 668.78 KL/day	
2.	Condition no. 16, 17, 18, 19, 20, 21, 24, 25, 26, 29 and 55 of the environment clearance order no. SEIAA/GUJ/EC/5(f)/894/2019 have been amended and shall be read as under:	
i	Condition No. 16 shall now be read as under: Total industrial effluent 400.336 KLD shall be treated in house ETP followed by MEE and RO.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 16 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

ii	Condition No. 17 shall now be read as under: There shall be no separate pipeline for sending effluent to M/s. Aarti Industries Ltd. (Unit-II) to M/s. Aarti Industries Ltd. (Unit-I).	
iii	Condition No. 18 shall now be read as under: Unit shall recycle 668 KL/Day treated effluent i.e. RO permeate and MEE condensate.	
iv	Condition No. 19 shall now be read as under: Unit shall earmarked pipeline of treated effluent reused in process.	
v	Condition No. 20 shall now be read as under: Recovered water the tune of 668 KL/Day from MEE and RO shall be reuse in cooling tower and process.	
vi	Condition No. 21 shall now be read as under: Total domestic wastewater of 38 KL/Day shall be treated in in-house STP and shall be utilized in gardening/plantation within premises.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 19 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
vii	Condition No. 24 shall now be read as under: Proper logbook of ETP, RO, MEE and STP operation, effluent quality, quality of treated effluent reused in process and gardening/plantation; chemical and power consumption shall be maintained and shall be furnished to the GPCB time to time.	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 22 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.
viii	Condition No. 25 shall now be read as under: There shall not be any discharge of effluent outside the factory premises and shall not be allowed to discharge anywhere else or not allowed to mix with	Complied. The stated condition has been amended. Please refer to the compliance of condition no. 16 and 17 of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.

	storm water.	
ix	<p>Condition No. 26 shall now be read as under:</p> <p>The unit shall provide metering facility at inlet and outlet of the effluent treatment plant, RO system, MEE plant and STP and maintain the record of the same.</p>	<p>Complied.</p> <p>The stated condition has been amended.</p> <p>Please refer to the compliance of condition no. 21` of A.2 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
x	<p>Condition No. 29 shall now be read as under:</p> <p>Imported coal to the tune of 11.12 MT/Hr shall be used as a fuel for each steam boiler (2 Nos- Cap: 30 TPH)</p>	<p>Complied.</p> <p>The stated condition has been amended.</p> <p>Please refer to the compliance of condition no. 23` of A.3 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
xi	<p>Condition No. 55 shall now be read as under:</p> <p>ETP waste, MEE salt, silica and insulation waste shall be disposed off at the common TSDF site.</p>	<p>Complied.</p> <p>The stated condition has been amended.</p> <p>Please refer to the compliance of condition no. 30` of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>
	<p>Sr. No. 2 of EC-Amendment granted by SEIAA, Gujarat vide Letter No: SEIAA/GUJ/EC/5(f)/894/2019, dated 19th June 2019) shall be now read as under.</p>	<p>Complied.</p> <p>The stated condition has been amended.</p> <p>Please refer to the compliance of condition no. 30` of A.4 of EC File No. SEIAA/GUJ/EC/5(f)/1470/2022, Date of Issue: 30/05/2022.</p>

➤ **Hazardous waste management shall be as under:**

Sr. No.	Type of Hazardous Waste	Source of Generation	As per EC- Year 2016	As per EC Amendme nt-Year 2019	As per Proposed EC amendme nt for ETP facility in Unit-II instead of Unit I	Total after EC amendme nt	Catego ry No.	Mode of Disposal
1.	ETP Residue after evaporation/M EE salt	ETP Plant	50 MT/Y	-50 MT/Y	+50 MT/Y	50 MT/Y	35.3	Collection, Storage within factory premises. Transportatio n and disposal at common TSDF site.
	ETP Waste		2880 MT/ Y	-2880 MT/Y	+2880 MT/Y	2880MT/Y		Collection, storage, transportation & disposal at approved TSDF site.
	Silica	CaCl ₂ Process	10840 MT/ Y	10840 MT/Y	+0 MT/Y	10840 MT/Y		
2.	Used oil	Utility	18.4 MT/Y	18.4 MT/Y	+0 MT/Y	18.4 MT/Y	5.1	Collection, storage, transportation. Disposal by selling to registered re-processor.
3.	Empty Barrels & Empty HDPE bags	R.M storage and finish good storage area	33 MT/Y	33 MT/Y	+0 MT/Y	33 MT/Y	33.3	Collection, storage, transportation, decontaminati on. Disposal by sending back to raw material supplier.
	Discarded Containers /Bags		15 MT/Y	15 MT/Y	0 MT/Y	15 MT/Y		Collection, storage, transportation & disposal by sale to registered recyclers/ waste filling.
4.	Distillation residue & Other waste (Spent carbon)	Process	1404 MT/Y	1404 MT/Y	0 MT/Y	1404 MT/Y	26.1	Collection, storage, transportation & disposal by incineration at CHWIF- SEPPL.
5.	Process residue		1613 MT/Y	1613 MT/Y	+0 MT/Y	1613 MT/Y		



6.	Spent Catalyst	Hydrogenation process	235 MT/Y	235 MT/Y	+0 MT/Y	235 MT/Y	35.2	Collection, storage, transportation & disposal by sale to registered regenerators.
7.	Hydrochloric acid (30%)	Scrubber	145272 MT/Y	145272 MT/Y	00	145272 MT/Y	D2	Collection, storage, transportation & reused in manufacturing of CaCl ₂ . OR sold to authorized actual end users having Rule 9 permission.
8.	Spent sulphuric acid	process	9300 MT/Y	9300 MT/Y	0	9300 MT/Y	D2	Collection, storage, transportation & sold to authorized actual end users having Rule 9 permission.

Rest of all the conditions of the Environment Clearance orders no **SEIAA/GUJ/EC/5(f)/335/2016** dated 20/05/2016 & Environment Clearance orders no **SEIAA/GUJ/EC/5(f)/894/2019** dated 19/06/2019 shall remain unchanged.

**Environment Compliance Report of
EC File No.SEIAA/GUJ/EC/5(f)/2533/2022,
Dated: 28/10/2022**

Environment Clearance Compliance report for period October 24 to March 25

File No.: SEIAA/GUJ/EC/5(f)/2533/2022 Dated 28/10/2022

SR. NO.	CONDITIONS	COMPLIANCE				
1.	<p><u>Merger the plot</u></p> <p>Merging of Environment clearance to M/s. Aarti Industries Limited (Unit-II) for setting up a manufacturing plant of "synthetic organic chemicals" (API and it's intermediates) at plot no. 756/2A and 2B, 756/3A and 3B, 756/4 and 4B, 756/5A and 5B, 756/6, 756/7, 756/8+9, 779 and 778, GIDC Notified Industrial Estate, Jhagadia. In category 5(f) of schedule annexed with EIA Notification dated 14109/2006.</p>	Noted.				
2.	<p><u>Change the CAS nos:</u></p> <p>Corrected CAS No. in product table for Group IA-Chlorination products and its derivatives: 90000 MT/Annum.</p> <table><tr><th>NAmE of Product</th><th>CAS no. in EC letter</th></tr><tr><td>Ortho Di Chloro Benzene (ODCB)/ Para Di Chloro Benzene (PDCB)/ Meta Di Chloro Benzene (MDCB) either/Or</td><td>95-50-1/106-46-7/ 541-73-1</td></tr></table>	NAmE of Product	CAS no. in EC letter	Ortho Di Chloro Benzene (ODCB)/ Para Di Chloro Benzene (PDCB)/ Meta Di Chloro Benzene (MDCB) either/Or	95-50-1/106-46-7/ 541-73-1	Noted.
NAmE of Product	CAS no. in EC letter					
Ortho Di Chloro Benzene (ODCB)/ Para Di Chloro Benzene (PDCB)/ Meta Di Chloro Benzene (MDCB) either/Or	95-50-1/106-46-7/ 541-73-1					

Annexure-2

Photographs of Greenbelt







Annexure-3

Leak Detection & Repair (LDAR) Monitoring Log Sheet															
Sr No	Plant	Section	Equipments	VOC Component	Emission Source	Oct-Dec 24					Jan-Mar 25				
						Initial VOC (ppm)	Status of Leak Point	Date of Leak Repair	VOC After Repair ppm	Compliance status	Initial VOC (ppm)	Status of Leak Point	Date of Leak Repair	VOC After Repair (ppm)	Compliance status
						18-Oct-2024					23-Jan-2025				
1	TCAN	Unloading point	Tanker bottom valve to 6ST0901	Aniline	Flanges - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
2					Valves - 5	0	Nil	-	-	Complied	0	Nil	-	-	Complied
3					Pump seals - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
4					Drain point - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
5					Sampling point - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
6					Tank top nozzles - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
7					Breather Valve - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
8					Side Man hole - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
9	TCAN	Transferring point	6ST0901 to 6R0901 (Reactor)	Aniline	Valves - 5	0	Nil	-	-	Complied	0	Nil	-	-	Complied
10					Sampling point - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
11					Drain point - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
12					Pump seals - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
13	TCAN	Fresh MCB storage	6ST0808 (DCPNA) to 6ST0904 (TCAN)	Benzene	Flanges/Valves - 11	0	Nil	-	-	Complied	0	Nil	-	-	Complied
14					Drain points - 7	0	Nil	-	-	Complied	0	Nil	-	-	Complied
15					Pump seals - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
16					Sampling point - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied

17					Breather valve - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
18					Top man hole - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
19					LT/PT Flanges - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
20	CLB	Benzene Day tank	6ST0101 to Bz Dryer	Benzene	Flanges - 3	0	Nil	-	-	Complied	0	Nil	-	-	Complied
21					Valves - 9	0	Nil	-	-	Complied	0	Nil	-	-	Complied
22					Pump seals - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
23					Drain point - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
24					Sampling point - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
25					Tank top nozzels - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
26					Breather Valve - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
27					Side Man hole - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
28	CLB	Benzene Vessel	Bz Dryer to 6V0106	Benzene	Valves - 3	0	Nil	-	-	Complied	0	Nil	-	-	Complied
29					Tank top nozzels - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
30					Breather Valve - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
31					Top man hole - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
32	CLB	Benzene Vessel	6V0106 to Chlorinator	Benzene	Flanges - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
33					Valves - 10	0	Nil	-	-	Complied	0	Nil	-	-	Complied
34					Pump seals - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
35					Drain point - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
36					Sampling point - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
37	CLB	Recovery	6V0107 (Reflux vessel) to 6V0106	Benzene	Valves - 6	0	Nil	-	-	Complied	0	Nil	-	-	Complied
38					Pump seals - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
39					Sampling point - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied

40	TCB	ODCB dryer	6ST0101 to ODCB Dryer	Benzene	Flanges - 6	0	Nil	-	-	Complied	0	Nil	-	-	Complied
41					Valves - 8	0	Nil	-	-	Complied	0	Nil	-	-	Complied
42	TCB	ODCB dryer	ODCB dryer to 6V0134	Benzene	Flanges - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
43					Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
44					View glass - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
45	TCB	ODCB dryer	6V0134 to Benzene day tank	Benzene	Flanges - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
46					Valves - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
47					Pump seals - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
48					Sampling point - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
49	GOLD	Methanol Underground tank	T01ST0205	Methanol	Flanges - 23	0	Nil	-	-	Complied	0	Nil	-	-	Complied
50					Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
51					Control Valve - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
52					NRV - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
53					Pump seals - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
54					Sampling point - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
55					Tank top - 3	0	Nil	-	-	Complied	0	Nil	-	-	Complied
56	GOLD	Methanol Collection vessel	1V0144	Methanol	Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
57					Flange joints - 14	0	Nil	-	-	Complied	0	Nil	-	-	Complied
58					Tank top - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
59					XV - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
60					NRV - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
61					Bottom Valve - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
62	GOLD	Liq Ammonia (25%) storage vessel	1ST0204	Ammonia	Bottom Valve - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
63					Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied

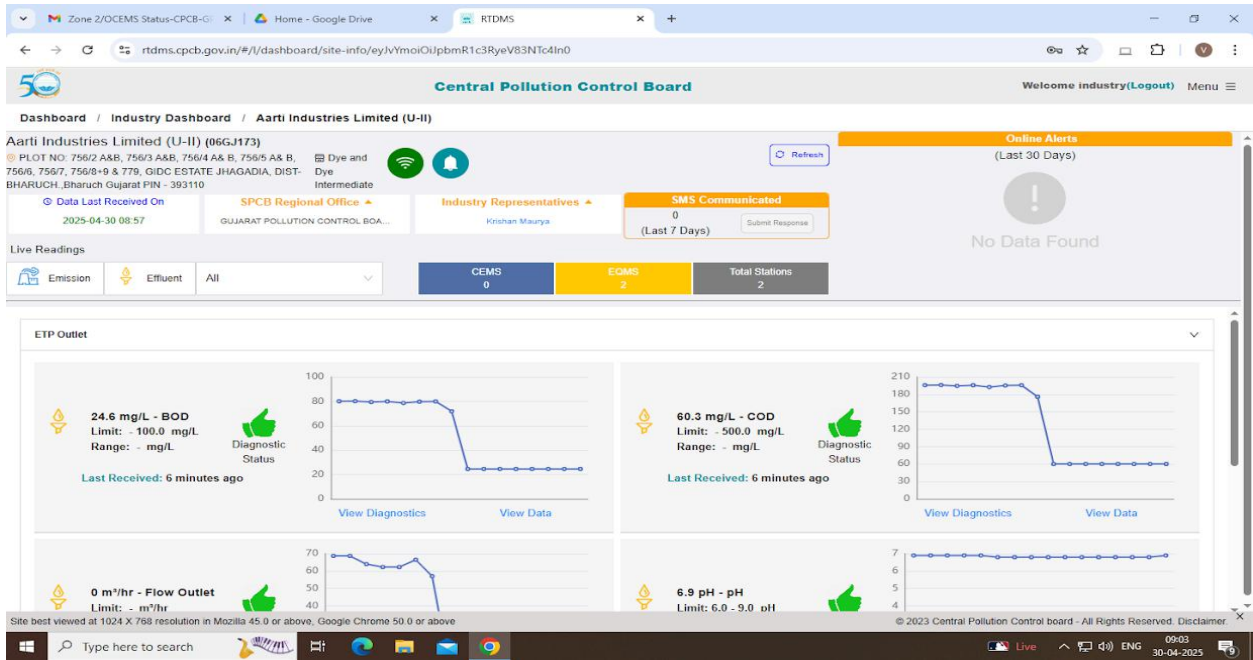
64					Flanges - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
65					Side Man hole - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
66					Pump seal - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
67					Drain point - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
68					NRV - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
69					Sampling point - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
70					Circulation line valve - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
71	ETP	Ammonia Steam Stripper	Ammonia Gaurd Scrubber (2ST0124)	Ammonia	Pump - 2P0149 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
72					Blower - 2B0103 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
73			Ammonia recovery scrubber (2ST0126)	Ammonia	Pump - 2P0151 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
74					Pump - 2P0138 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
75					Pump - 2P0144 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
76					Pump - 2P0150 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
77					Pump - 2P0139 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
78					Pump - 2P0137 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
79					Pump - 2P0106	0	Nil	-	-	Complied	0	Nil	-	-	Complied
80			Ammonia solution storage tank (2ST0125)	Ammonia	Bottom Valve - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
81					Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
82					Flanges - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
83					Drain point - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
84					Circulation line valve - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied

85			Ammonia Stripper bottom storage tank (2ST0310)	Ammonia	Bottom Valve - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
86					Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
87					Flanges - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
88					Drain point - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
89					Circulation line valve - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
90			Ammonia Stripper feed storage tank (2ST0102B)	Ammonia	Bottom Valve - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
91					Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
92					Flanges - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
93					Drain point - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
94					Circulation line valve - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
95	ETP	Primary Treatment	Neutralization Reactor-4 (2R0304 A & B)	VOC	Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
96					Flange joints - 10	0	Nil	-	-	Complied	0	Nil	-	-	Complied
97					View glass - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
98					Circulation line valve - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
99					Pump - 2P0304 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
100			pH adjustment reactor (2R0102 A & B)	VOC	Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
101					Flange joints - 10	0	Nil	-	-	Complied	0	Nil	-	-	Complied
102					View glass - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
103					Circulation line valve - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
104					Pump - 2P0102 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
105			pH adjustment	VOC	Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied

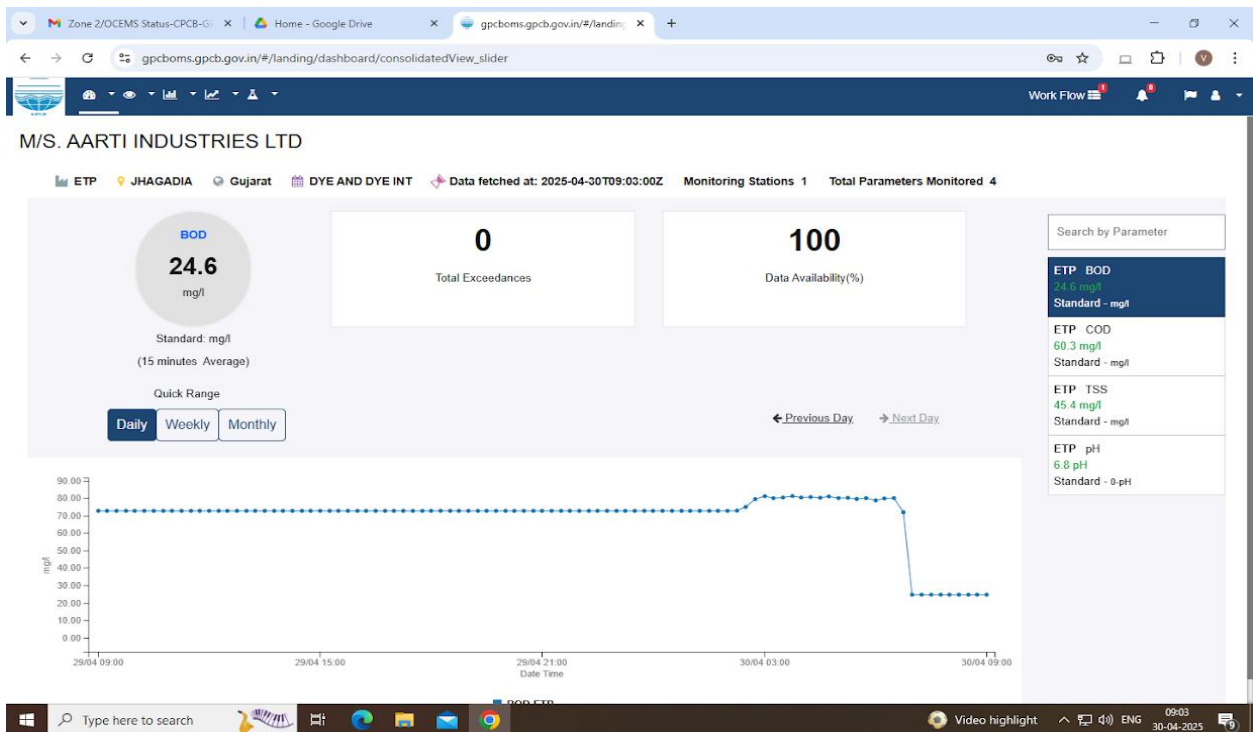
106			reactor (2R0104 A & B)		Flange joints - 10	0	Nil	-	-	Complied	0	Nil	-	-	Complied
107					View glass - 1	0	Nil	-	-	Complied	0	Nil	-	-	Complied
108					Circulation line valve - 2	0	Nil	-	-	Complied	0	Nil	-	-	Complied
109					Pump - 2P0104 A/B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
110	ETP	Bio Aeration	Primary Clarifier (2ST0104)	VOC	Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
111					Flange joints - 5	0	Nil	-	-	Complied	0	Nil	-	-	Complied
112					Pump - 2P0110 A&B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
113			Secondary Clarifier (2ST0108)	VOC	Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
114					Flange joints - 5	0	Nil	-	-	Complied	0	Nil	-	-	Complied
115					Pump - 2P0111 A&B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
116			Secondary Clarifier (2ST0110)	VOC	Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
117					Flange joints - 5	0	Nil	-	-	Complied	0	Nil	-	-	Complied
118					Pump - 2P0112 A&B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
119			Tertiary Clarifier (2ST0115)	VOC	Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
120					Flange joints - 5	0	Nil	-	-	Complied	0	Nil	-	-	Complied
121					Pump - 2P0113 A&B	0	Nil	-	-	Complied	0	Nil	-	-	Complied
122			Sludge sump (2ST0111)	VOC	Valves - 4	0	Nil	-	-	Complied	0	Nil	-	-	Complied
123					Flange joints - 5	0	Nil	-	-	Complied	0	Nil	-	-	Complied
124					Pump - 2P0116 A&B	0	Nil	-	-	Complied	0	Nil	-	-	Complied

Annexure - 4

OCEMS Connection



Screenshot of CPCB portal



Screenshot of GPCB portal

Annexure-5

Ambient Air Monitoring Report

Location 1 : PDA Gate (Nr. Safety Office)				
Month	PM10	PM2.5	SO2	NOx
	100 µg/m3	60 µg/m3	80 µg/m3	80 µg/m3
Oct'24	81.72	27.01	20.61	23.57
Nov'24	80.34	33.84	22.49	25.58
Dec'24	80.74	27.48	19.49	22.49
Jan'25	82.13	28.39	21.18	23.93
Feb'25	80.06	27.26	23.39	26.13
Mar'25	82.85	33.94	22.38	25.46

Location 2 : Hydrogen Plant (Nr. Security Gate)				
Month	PM10	PM2.5	SO2	NOx
	100 µg/m3	60 µg/m3	80 µg/m3	80 µg/m3
Oct'24	84.24	26.39	18.74	21.85
Nov'24	84.04	33.8	20.2	23.98
Dec'24	77.33	29.63	18.89	23.49
Jan'25	81.7	29.91	25.13	27.41
Feb'25	78.24	27.49	22.59	24.83
Mar'25	83.3	32.33	21.23	24.61

Location 3 : CLB Main Building				
Month	PM10	PM2.5	SO2	NOx
	100 µg/m3	60 µg/m3	80 µg/m3	80 µg/m3
Oct'24	82.41	27.64	19.43	22.4
Nov'24	83.89	33.74	20.83	24.2
Dec'24	79.2	30.36	20.65	22.44
Jan'25	83.76	30.94	23.48	25.34
Feb'25	80.78	28.16	22.79	24.86
Mar'25	83.15	31.26	20.25	23.19



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001160F				
Test Report No.:	URA/25/02/AIL-J/A-004	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/004	Service Request Date	03/02/2025	
Sample ID No.:	URA/ID/A-25/02/004	Field Data Sheet No.	URA/FDS/A-25/02/004	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	03/02/2025	Date of Testing	04/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)			
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C	Max.: 28 °C	Avg.: 22 °C
	Rel. Humidity:	Min.: 24 %	Max.: 58 %	Avg.: 43 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.19
2.	Flow Rate of PM ₁₀	m ³ /min	1.15
3.	Volume of Air Sampled for PM ₁₀	m ³	1669.1
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.2

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

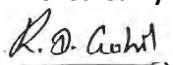
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	78.8	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	26.8	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	18.7	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	21.1	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	BDL (MDL:5.0)	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	BDL (MDL:5.0)	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

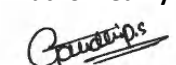
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-004	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/004	Service Request Date	03/02/2025
Sample ID No.:	URA/ID/A-25/02/004	Field Data Sheet No.	URA/FDS/A-25/02/004
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	03/02/2025	Date of Testing	04/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C Max.: 28 °C	Avg.: 22 °C
	Rel. Humidity:	Min.: 24 % Max.: 58 %	Avg.: 43 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.19
2.	Flow Rate of PM ₁₀	m ³ /min	1.15
3.	Volume of Air Sampled for PM ₁₀	m ³	1669.1
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.2

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

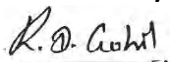
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	17.7	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001161F				
Test Report No.:	URA/25/02/AIL-J/A-005	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/005	Service Request Date	06/02/2025	
Sample ID No.:	URA/ID/A-25/02/005	Field Data Sheet No.	URA/FDS/A-25/02/005	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	06/02/2025	Date of Testing	07/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)			
Environmental Conditions during Sampling :	Temp.:	Min.: 14 °C	Max.: 28 °C	Avg.: 21 °C
	Rel. Humidity:	Min.: 20 %	Max.: 54 %	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.97
2.	Flow Rate of PM ₁₀	m ³ /min	1.13
3.	Volume of Air Sampled for PM ₁₀	m ³	1625.2
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

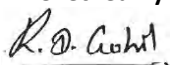
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	79.1	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	28.8	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	18.8	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	21.7	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	11.9	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	12.2	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

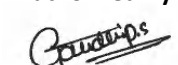
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-005	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/005	Service Request Date	06/02/2025
Sample ID No.:	URA/ID/A-25/02/005	Field Data Sheet No.	URA/FDS/A-25/02/005
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	06/02/2025	Date of Testing	07/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)		
Environmental Conditions during Sampling :	Temp.:	Min.: 14 °C Max.: 28 °C	Avg.: 21 °C
	Rel. Humidity:	Min.: 20 % Max.: 54 %	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.97
2.	Flow Rate of PM ₁₀	m ³ /min	1.13
3.	Volume of Air Sampled for PM ₁₀	m ³	1625.2
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

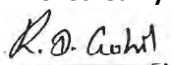
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

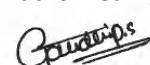
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR-TC153452500001162F			
Test Report No.:	URA/25/02/AIL-J/A-006	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/006	Service Request Date	03/02/2025
Sample ID No.:	URA/ID/A-25/02/006	Field Data Sheet No.	URA/FDS/A-25/02/006
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	03/02/2025	Date of Testing	04/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C	Max.: 28 °C
	Rel. Humidity:	Min.: 24 %	Max.: 58 %
		Avg.: 22 °C	Avg.: 43 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.45
2.	Flow Rate of PM ₁₀	m ³ /min	1.12
3.	Volume of Air Sampled for PM ₁₀	m ³	1643.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.5

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

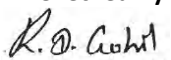
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	79.2	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	22.9	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	24.3	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	27.8	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	BDL (MDL:5.0)	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	BDL (MDL:5.0)	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

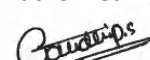
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-006	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/006	Service Request Date	03/02/2025
Sample ID No.:	URA/ID/A-25/02/006	Field Data Sheet No.	URA/FDS/A-25/02/006
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	03/02/2025	Date of Testing	04/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C Max.: 28 °C	Avg.: 22 °C
	Rel. Humidity:	Min.: 24 % Max.: 58 %	Avg.: 43 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.45
2.	Flow Rate of PM ₁₀	m ³ /min	1.12
3.	Volume of Air Sampled for PM ₁₀	m ³	1643.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.5

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

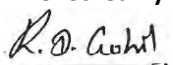
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

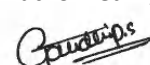
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001166F			
Test Report No.:	URA/25/02/AIL-J/A-010	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/010	Service Request Date	06/02/2025
Sample ID No.:	URA/ID/A-25/02/010	Field Data Sheet No.	URA/FDS/A-25/02/010
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	06/02/2025	Date of Testing	07/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 14 °C	Max.: 28 °C
	Rel. Humidity:	Min.: 20 %	Max.: 54 %
		Avg.: 21 °C	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.95
2.	Flow Rate of PM ₁₀	m ³ /min	1.09
3.	Volume of Air Sampled for PM ₁₀	m ³	1566.3
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

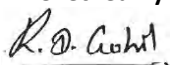
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	73.2	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	22.9	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	27.3	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	31.3	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	BDL (MDL:5.0)	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	BDL (MDL:5.0)	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	4.9	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

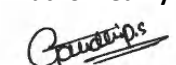
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-010	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/010	Service Request Date	06/02/2025
Sample ID No.:	URA/ID/A-25/02/010	Field Data Sheet No.	URA/FDS/A-25/02/010
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	06/02/2025	Date of Testing	07/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 14 °C Max.: 28 °C	Avg.: 21 °C
	Rel. Humidity:	Min.: 20 % Max.: 54 %	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.95
2.	Flow Rate of PM ₁₀	m ³ /min	1.09
3.	Volume of Air Sampled for PM ₁₀	m ³	1566.3
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

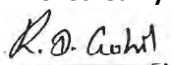
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	9.0	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

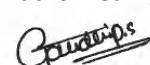
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001167F				
Test Report No.:	URA/25/02/AIL-J/A-011	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/011	Service Request Date	10/02/2025	
Sample ID No.:	URA/ID/A-25/02/011	Field Data Sheet No.	URA/FDS/A-25/02/011	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	10/02/2025	Date of Testing	11/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)			
Environmental Conditions during Sampling :	Temp.:	Min.: 15 °C	Max.: 31 °C	Avg.: 23 °C
	Rel. Humidity:	Min.: 19 %	Max.: 75 %	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.49
2.	Flow Rate of PM ₁₀	m ³ /min	1.18
3.	Volume of Air Sampled for PM ₁₀	m ³	1733.9
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.5

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

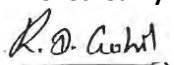
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	82.6	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	26.9	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	20.8	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	23.1	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	9.1	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	12.0	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

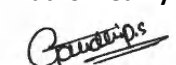
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

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Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

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Auditor (Schedule-11)

ISO 9001 : 2015
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ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-011	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/011	Service Request Date	10/02/2025
Sample ID No.:	URA/ID/A-25/02/011	Field Data Sheet No.	URA/FDS/A-25/02/011
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	10/02/2025	Date of Testing	11/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)		
Environmental Conditions during Sampling :	Temp.:	Min.: 15 °C Max.: 31 °C	Avg.: 23 °C
	Rel. Humidity:	Min.: 19 % Max.: 75 %	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.49
2.	Flow Rate of PM ₁₀	m ³ /min	1.18
3.	Volume of Air Sampled for PM ₁₀	m ³	1733.9
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.5

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

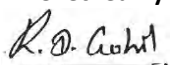
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

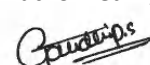
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001168F			
Test Report No.:	URA/25/02/AIL-J/A-012	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/012	Service Request Date	06/02/2025
Sample ID No.:	URA/ID/A-25/02/012	Field Data Sheet No.	URA/FDS/A-25/02/012
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	06/02/2025	Date of Testing	07/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 14 °C	Max.: 28 °C
	Rel. Humidity:	Min.: 20 %	Max.: 54 %
		Avg.: 21 °C	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.31
2.	Flow Rate of PM ₁₀	m ³ /min	1.18
3.	Volume of Air Sampled for PM ₁₀	m ³	1721.1
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.4

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

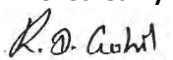
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	70.9	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	20.5	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	21.0	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	22.8	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	10.6	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	6.4	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	3.2	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

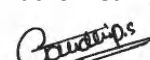
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-012	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/012	Service Request Date	06/02/2025
Sample ID No.:	URA/ID/A-25/02/012	Field Data Sheet No.	URA/FDS/A-25/02/012
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	06/02/2025	Date of Testing	07/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 14 °C Max.: 28 °C	Avg.: 21 °C
	Rel. Humidity:	Min.: 20 % Max.: 54 %	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.31
2.	Flow Rate of PM ₁₀	m ³ /min	1.18
3.	Volume of Air Sampled for PM ₁₀	m ³	1721.1
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.4

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

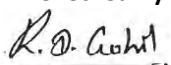
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

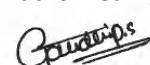
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001172F			
Test Report No.:	URA/25/02/AIL-J/A-016	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/016	Service Request Date	10/02/2025
Sample ID No.:	URA/ID/A-25/02/016	Field Data Sheet No.	URA/FDS/A-25/02/016
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	10/02/2025	Date of Testing	11/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 15 °C	Max.: 31 °C
	Rel. Humidity:	Min.: 19 %	Max.: 75 %
		Avg.: 23 °C	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.04
2.	Flow Rate of PM ₁₀	m ³ /min	1.08
3.	Volume of Air Sampled for PM ₁₀	m ³	1557.8
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

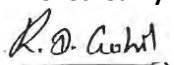
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	79.9	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	28.4	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	30.7	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	32.6	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	10.5	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	9.8	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

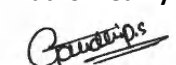
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-016	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/016	Service Request Date	10/02/2025
Sample ID No.:	URA/ID/A-25/02/016	Field Data Sheet No.	URA/FDS/A-25/02/016
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	10/02/2025	Date of Testing	11/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 15 °C Max.: 31 °C	Avg.: 23 °C
	Rel. Humidity:	Min.: 19 % Max.: 75 %	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.04
2.	Flow Rate of PM ₁₀	m ³ /min	1.08
3.	Volume of Air Sampled for PM ₁₀	m ³	1557.8
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.1

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

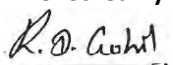
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	26.8	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

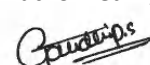
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001173F				
Test Report No.:	URA/25/02/AIL-J/A-017	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/017	Service Request Date	13/02/2025	
Sample ID No.:	URA/ID/A-25/02/017	Field Data Sheet No.	URA/FDS/A-25/02/017	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	13/02/2025	Date of Testing	14/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)			
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C	Max.: 31 °C	Avg.: 24 °C
	Rel. Humidity:	Min.: 18 %	Max.: 50 %	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.05
2.	Flow Rate of PM ₁₀	m ³ /min	1.07
3.	Volume of Air Sampled for PM ₁₀	m ³	1544.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

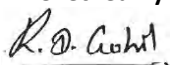
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	80.1	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	35.3	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	17.8	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	19.8	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	5.7	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	BDL (MDL:5.0)	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

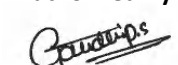
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

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Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-017	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/017	Service Request Date	13/02/2025
Sample ID No.:	URA/ID/A-25/02/017	Field Data Sheet No.	URA/FDS/A-25/02/017
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	13/02/2025	Date of Testing	14/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)		
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C Max.: 31 °C	Avg.: 24 °C
	Rel. Humidity:	Min.: 18 % Max.: 50 %	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.05
2.	Flow Rate of PM ₁₀	m ³ /min	1.07
3.	Volume of Air Sampled for PM ₁₀	m ³	1544.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.1

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

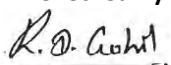
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

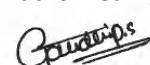
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR-TC153452500001174F			
Test Report No.:	URA/25/02/AIL-J/A-018	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/018	Service Request Date	10/02/2025
Sample ID No.:	URA/ID/A-25/02/018	Field Data Sheet No.	URA/FDS/A-25/02/018
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	10/02/2025	Date of Testing	11/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 15 °C	Max.: 31 °C
	Rel. Humidity:	Min.: 19 %	Max.: 75 %
		Avg.: 23 °C	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.17
2.	Flow Rate of PM ₁₀	m ³ /min	1.11
3.	Volume of Air Sampled for PM ₁₀	m ³	1609.7
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.2

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

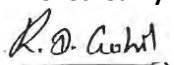
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	88.7	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	33.8	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	21.1	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	22.5	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	BDL (MDL:5.0)	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	BDL (MDL:5.0)	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

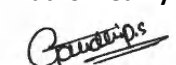
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-018	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/018	Service Request Date	10/02/2025
Sample ID No.:	URA/ID/A-25/02/018	Field Data Sheet No.	URA/FDS/A-25/02/018
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	10/02/2025	Date of Testing	11/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 15 °C	Max.: 31 °C
	Rel. Humidity:	Min.: 19 %	Max.: 75 %
		Avg.: 23 °C	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.17
2.	Flow Rate of PM ₁₀	m ³ /min	1.11
3.	Volume of Air Sampled for PM ₁₀	m ³	1609.7
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.2

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

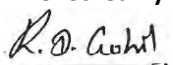
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	26.6	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

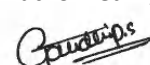
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001178F				
Test Report No.:	URA/25/02/AIL-J/A-022	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/022	Service Request Date	13/02/2025	
Sample ID No.:	URA/ID/A-25/02/022	Field Data Sheet No.	URA/FDS/A-25/02/022	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	13/02/2025	Date of Testing	14/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)			
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C	Max.: 31 °C	Avg.: 24 °C
	Rel. Humidity:	Min.: 18 %	Max.: 50 %	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.09
2.	Flow Rate of PM ₁₀	m ³ /min	1.15
3.	Volume of Air Sampled for PM ₁₀	m ³	1662.2
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

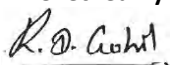
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	81.0	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	31.4	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	16.3	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	17.9	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	7.4	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	17.0	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	4.1	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

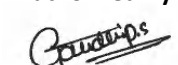
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

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ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-022	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/022	Service Request Date	13/02/2025
Sample ID No.:	URA/ID/A-25/02/022	Field Data Sheet No.	URA/FDS/A-25/02/022
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	13/02/2025	Date of Testing	14/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C Max.: 31 °C	Avg.: 24 °C
	Rel. Humidity:	Min.: 18 % Max.: 50 %	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.09
2.	Flow Rate of PM ₁₀	m ³ /min	1.15
3.	Volume of Air Sampled for PM ₁₀	m ³	1662.2
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.1

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

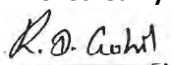
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	8.9	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

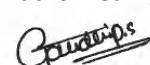
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001179F				
Test Report No.:	URA/25/02/AIL-J/A-023	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/023	Service Request Date	17/02/2025	
Sample ID No.:	URA/ID/A-25/02/023	Field Data Sheet No.	URA/FDS/A-25/02/023	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	17/02/2025	Date of Testing	18/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)			
Environmental Conditions during Sampling :	Temp.:	Min.: 19 °C	Max.: 32 °C	Avg.: 26 °C
	Rel. Humidity:	Min.: 22 %	Max.: 78 %	Avg.: 48 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.13
2.	Flow Rate of PM ₁₀	m ³ /min	1.08
3.	Volume of Air Sampled for PM ₁₀	m ³	1563.6
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.2

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

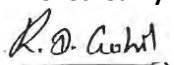
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	78.1	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	20.7	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	16.7	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	17.8	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	9.0	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	8.1	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

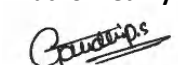
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

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ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-023	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/023	Service Request Date	17/02/2025
Sample ID No.:	URA/ID/A-25/02/023	Field Data Sheet No.	URA/FDS/A-25/02/023
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	17/02/2025	Date of Testing	18/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)		
Environmental Conditions during Sampling :	Temp.:	Min.: 19 °C Max.: 32 °C	Avg.: 26 °C
	Rel. Humidity:	Min.: 22 % Max.: 78 %	Avg.: 48 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.13
2.	Flow Rate of PM ₁₀	m ³ /min	1.08
3.	Volume of Air Sampled for PM ₁₀	m ³	1563.6
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.2

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

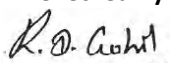
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	26.6	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

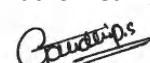
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001180F			
Test Report No.:	URA/25/02/AIL-J/A-024	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/024	Service Request Date	13/02/2025
Sample ID No.:	URA/ID/A-25/02/024	Field Data Sheet No.	URA/FDS/A-25/02/024
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	13/02/2025	Date of Testing	14/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C	Max.: 31 °C
	Rel. Humidity:	Min.: 18 %	Max.: 50 %
		Avg.: 24 °C	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.94
2.	Flow Rate of PM ₁₀	m ³ /min	1.07
3.	Volume of Air Sampled for PM ₁₀	m ³	1536.9
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

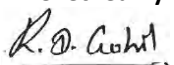
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	86.9	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	30.0	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	21.8	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	25.6	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	16.3	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	10.6	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	6.6	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

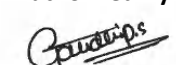
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

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Consultant Organization

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Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-024	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/024	Service Request Date	13/02/2025
Sample ID No.:	URA/ID/A-25/02/024	Field Data Sheet No.	URA/FDS/A-25/02/024
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	13/02/2025	Date of Testing	14/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C	Max.: 31 °C
	Rel. Humidity:	Min.: 18 %	Max.: 50 %
		Avg.: 24 °C	Avg.: 34 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.94
2.	Flow Rate of PM ₁₀	m ³ /min	1.07
3.	Volume of Air Sampled for PM ₁₀	m ³	1536.9
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

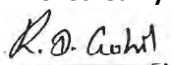
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	17.9	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

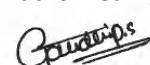
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001184F			
Test Report No.:	URA/25/02/AIL-J/A-028	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/028	Service Request Date	17/02/2025
Sample ID No.:	URA/ID/A-25/02/028	Field Data Sheet No.	URA/FDS/A-25/02/028
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	17/02/2025	Date of Testing	18/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 19 °C	Max.: 32 °C
	Rel. Humidity:	Min.: 22 %	Max.: 78 %
		Avg.: 26 °C	Avg.: 48 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.58
2.	Flow Rate of PM ₁₀	m ³ /min	1.11
3.	Volume of Air Sampled for PM ₁₀	m ³	1637.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.6

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

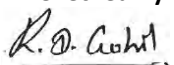
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	85.7	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	32.9	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	20.8	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	22.6	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	16.7	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	7.2	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

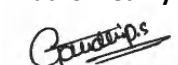
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-028	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/028	Service Request Date	17/02/2025
Sample ID No.:	URA/ID/A-25/02/028	Field Data Sheet No.	URA/FDS/A-25/02/028
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	17/02/2025	Date of Testing	18/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 19 °C Max.: 32 °C	Avg.: 26 °C
	Rel. Humidity:	Min.: 22 % Max.: 78 %	Avg.: 48 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.58
2.	Flow Rate of PM ₁₀	m ³ /min	1.11
3.	Volume of Air Sampled for PM ₁₀	m ³	1637.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.6

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

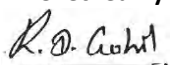
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

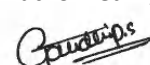
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001185F				
Test Report No.:	URA/25/02/AIL-J/A-029	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/029	Service Request Date	20/02/2025	
Sample ID No.:	URA/ID/A-25/02/029	Field Data Sheet No.	URA/FDS/A-25/02/029	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	20/02/2025	Date of Testing	21/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)			
Environmental Conditions during Sampling :	Temp.:	Min.: 21 °C	Max.: 32 °C	Avg.: 26 °C
	Rel. Humidity:	Min.: 23 %	Max.: 64 %	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.31
2.	Flow Rate of PM ₁₀	m ³ /min	1.20
3.	Volume of Air Sampled for PM ₁₀	m ³	1750.3
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.4

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

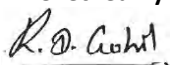
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	77.9	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	25.4	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	30.7	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	32.6	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	BDL (MDL:5.0)	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	8.0	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

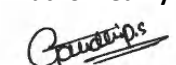
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-029	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/029	Service Request Date	20/02/2025
Sample ID No.:	URA/ID/A-25/02/029	Field Data Sheet No.	URA/FDS/A-25/02/029
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	20/02/2025	Date of Testing	21/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)		
Environmental Conditions during Sampling :	Temp.:	Min.: 21 °C Max.: 32 °C	Avg.: 26 °C
	Rel. Humidity:	Min.: 23 % Max.: 64 %	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.31
2.	Flow Rate of PM ₁₀	m ³ /min	1.20
3.	Volume of Air Sampled for PM ₁₀	m ³	1750.3
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.4

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

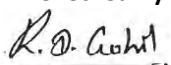
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

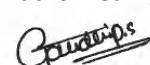
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001186F			
Test Report No.:	URA/25/02/AIL-J/A-030	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/030	Service Request Date	17/02/2025
Sample ID No.:	URA/ID/A-25/02/030	Field Data Sheet No.	URA/FDS/A-25/02/030
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	17/02/2025	Date of Testing	18/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 19 °C	Max.: 32 °C
	Rel. Humidity:	Min.: 22 %	Max.: 78 %
		Avg.: 26 °C	Avg.: 48 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.44
2.	Flow Rate of PM ₁₀	m ³ /min	1.13
3.	Volume of Air Sampled for PM ₁₀	m ³	1657.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.5

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

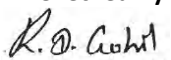
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	86.9	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	32.2	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	27.6	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	30.6	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	6.1	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	BDL (MDL:5.0)	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	6.5	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

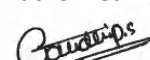
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

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ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-030	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/030	Service Request Date	17/02/2025
Sample ID No.:	URA/ID/A-25/02/030	Field Data Sheet No.	URA/FDS/A-25/02/030
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	17/02/2025	Date of Testing	18/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 19 °C	Max.: 32 °C
	Rel. Humidity:	Min.: 22 %	Max.: 78 %
		Avg.: 26 °C	Avg.: 48 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.44
2.	Flow Rate of PM ₁₀	m ³ /min	1.13
3.	Volume of Air Sampled for PM ₁₀	m ³	1657.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.5

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

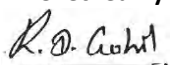
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

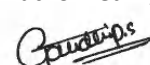
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001190F			
Test Report No.:	URA/25/02/AIL-J/A-034	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/034	Service Request Date	20/02/2025
Sample ID No.:	URA/ID/A-25/02/034	Field Data Sheet No.	URA/FDS/A-25/02/034
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	20/02/2025	Date of Testing	21/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 21 °C	Max.: 32 °C
	Rel. Humidity:	Min.: 23 %	Max.: 64 %
		Avg.: 26 °C	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.16
2.	Flow Rate of PM ₁₀	m ³ /min	1.13
3.	Volume of Air Sampled for PM ₁₀	m ³	1638.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.2

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

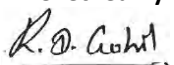
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	78.7	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	23.1	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	16.7	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	19.2	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	BDL (MDL:5.0)	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	7.3	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	4.9	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

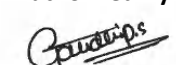
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-034	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/034	Service Request Date	20/02/2025
Sample ID No.:	URA/ID/A-25/02/034	Field Data Sheet No.	URA/FDS/A-25/02/034
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	20/02/2025	Date of Testing	21/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 21 °C Max.: 32 °C	Avg.: 26 °C
	Rel. Humidity:	Min.: 23 % Max.: 64 %	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.16
2.	Flow Rate of PM ₁₀	m ³ /min	1.13
3.	Volume of Air Sampled for PM ₁₀	m ³	1638.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.2

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

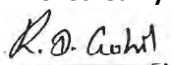
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	17.7	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

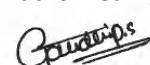
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001191F				
Test Report No.:	URA/25/02/AIL-J/A-035	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/035	Service Request Date	24/02/2025	
Sample ID No.:	URA/ID/A-25/02/035	Field Data Sheet No.	URA/FDS/A-25/02/035	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	24/02/2025	Date of Testing	25/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)			
Environmental Conditions during Sampling :	Temp.:	Min.: 20 °C	Max.: 33 °C	Avg.: 26 °C
	Rel. Humidity:	Min.: 18 %	Max.: 60 %	Avg.: 35 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.24
2.	Flow Rate of PM ₁₀	m ³ /min	1.08
3.	Volume of Air Sampled for PM ₁₀	m ³	1570.8
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.3

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

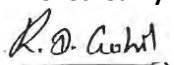
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	80.6	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	28.8	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	30.9	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	34.6	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	7.1	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	8.9	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

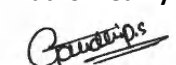
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-035	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/035	Service Request Date	24/02/2025
Sample ID No.:	URA/ID/A-25/02/035	Field Data Sheet No.	URA/FDS/A-25/02/035
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	24/02/2025	Date of Testing	25/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)		
Environmental Conditions during Sampling :	Temp.:	Min.: 20 °C	Max.: 33 °C
	Rel. Humidity:	Min.: 18 %	Max.: 60 %
		Avg.: 26 °C	Avg.: 35 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.24
2.	Flow Rate of PM ₁₀	m ³ /min	1.08
3.	Volume of Air Sampled for PM ₁₀	m ³	1570.8
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.3

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

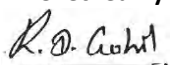
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	17.7	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

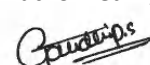
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001192F			
Test Report No.:	URA/25/02/AIL-J/A-036	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/036	Service Request Date	20/02/2025
Sample ID No.:	URA/ID/A-25/02/036	Field Data Sheet No.	URA/FDS/A-25/02/036
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	20/02/2025	Date of Testing	21/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 21 °C	Max.: 32 °C
	Rel. Humidity:	Min.: 23 %	Max.: 64 %
		Avg.: 26 °C	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.93
2.	Flow Rate of PM ₁₀	m ³ /min	1.07
3.	Volume of Air Sampled for PM ₁₀	m ³	1536.3
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

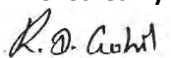
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	71.3	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	21.7	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	23.8	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	24.6	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	15.7	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	16.3	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.


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

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-036	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/036	Service Request Date	20/02/2025
Sample ID No.:	URA/ID/A-25/02/036	Field Data Sheet No.	URA/FDS/A-25/02/036
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	20/02/2025	Date of Testing	21/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 21 °C	Max.: 32 °C
	Rel. Humidity:	Min.: 23 %	Max.: 64 %
		Avg.: 26 °C	Avg.: 41 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.93
2.	Flow Rate of PM ₁₀	m ³ /min	1.07
3.	Volume of Air Sampled for PM ₁₀	m ³	1536.3
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

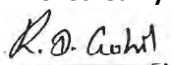
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	9.0	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

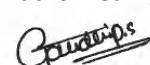
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001196F			
Test Report No.:	URA/25/02/AIL-J/A-040	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/040	Service Request Date	24/02/2025
Sample ID No.:	URA/ID/A-25/02/040	Field Data Sheet No.	URA/FDS/A-25/02/040
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	24/02/2025	Date of Testing	25/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 20 °C	Max.: 33 °C
	Rel. Humidity:	Min.: 18 %	Max.: 60 %
		Avg.: 26 °C	Avg.: 35 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.28
2.	Flow Rate of PM ₁₀	m ³ /min	1.09
3.	Volume of Air Sampled for PM ₁₀	m ³	1587.9
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.3

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

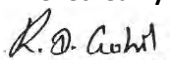
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	74.4	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	23.3	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	29.9	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	33.6	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	6.3	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	8.1	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	6.5	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

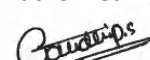
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

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Consultant Organization

GPCB Recognized Environmental
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ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-040	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/040	Service Request Date	24/02/2025
Sample ID No.:	URA/ID/A-25/02/040	Field Data Sheet No.	URA/FDS/A-25/02/040
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	24/02/2025	Date of Testing	25/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 20 °C Max.: 33 °C	Avg.: 26 °C
	Rel. Humidity:	Min.: 18 % Max.: 60 %	Avg.: 35 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.28
2.	Flow Rate of PM ₁₀	m ³ /min	1.09
3.	Volume of Air Sampled for PM ₁₀	m ³	1587.9
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.3

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

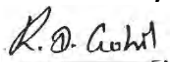
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	17.7	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001197F				
Test Report No.:	URA/25/02/AIL-J/A-041	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/041	Service Request Date	27/02/2025	
Sample ID No.:	URA/ID/A-25/02/041	Field Data Sheet No.	URA/FDS/A-25/02/041	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	27/02/2025	Date of Testing	28/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)			
Environmental Conditions during Sampling :	Temp.:	Min.: 23 °C	Max.: 35 °C	Avg.: 28 °C
	Rel. Humidity:	Min.: 19 %	Max.: 49 %	Avg.: 33 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.23
2.	Flow Rate of PM ₁₀	m ³ /min	1.11
3.	Volume of Air Sampled for PM ₁₀	m ³	1613.7
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.3

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

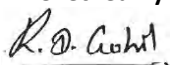
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	76.8	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	31.1	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	17.6	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	19.1	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	BDL (MDL:5.0)	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	8.9	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	7.3	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

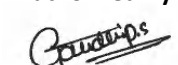
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

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Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-041	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/041	Service Request Date	27/02/2025
Sample ID No.:	URA/ID/A-25/02/041	Field Data Sheet No.	URA/FDS/A-25/02/041
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	27/02/2025	Date of Testing	28/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)		
Environmental Conditions during Sampling :	Temp.:	Min.: 23 °C Max.: 35 °C	Avg.: 28 °C
	Rel. Humidity:	Min.: 19 % Max.: 49 %	Avg.: 33 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.23
2.	Flow Rate of PM ₁₀	m ³ /min	1.11
3.	Volume of Air Sampled for PM ₁₀	m ³	1613.7
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.3

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

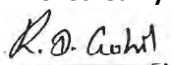
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	26.5	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

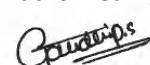
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001198F			
Test Report No.:	URA/25/02/AIL-J/A-042	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/042	Service Request Date	24/02/2025
Sample ID No.:	URA/ID/A-25/02/042	Field Data Sheet No.	URA/FDS/A-25/02/042
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	24/02/2025	Date of Testing	25/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 20 °C	Max.: 33 °C
	Rel. Humidity:	Min.: 18 %	Max.: 60 %
		Avg.: 26 °C	Avg.: 35 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.43
2.	Flow Rate of PM ₁₀	m ³ /min	1.11
3.	Volume of Air Sampled for PM ₁₀	m ³	1627.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.5

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

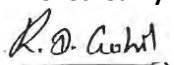
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	78.7	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	30.4	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	20.9	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	21.8	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	15.0	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	17.6	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

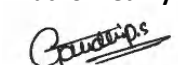
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

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Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

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GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
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ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-042	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/042	Service Request Date	24/02/2025
Sample ID No.:	URA/ID/A-25/02/042	Field Data Sheet No.	URA/FDS/A-25/02/042
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	24/02/2025	Date of Testing	25/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 20 °C Max.: 33 °C	Avg.: 26 °C
	Rel. Humidity:	Min.: 18 % Max.: 60 %	Avg.: 35 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.43
2.	Flow Rate of PM ₁₀	m ³ /min	1.11
3.	Volume of Air Sampled for PM ₁₀	m ³	1627.0
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.5

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

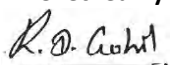
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

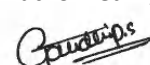
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001202F				
Test Report No.:	URA/25/02/AIL-J/A-046	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/046	Service Request Date	27/02/2025	
Sample ID No.:	URA/ID/A-25/02/046	Field Data Sheet No.	URA/FDS/A-25/02/046	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	27/02/2025	Date of Testing	28/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)			
Environmental Conditions during Sampling :	Temp.:	Min.: 23 °C	Max.: 35 °C	Avg.: 28 °C
	Rel. Humidity:	Min.: 19 %	Max.: 49 %	Avg.: 33 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.98
2.	Flow Rate of PM ₁₀	m ³ /min	1.06
3.	Volume of Air Sampled for PM ₁₀	m ³	1525.1
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

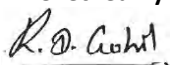
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	88.8	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	29.3	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	26.7	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	30.7	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	15.2	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	BDL (MDL:5.0)	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

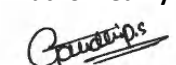
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-046	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/046	Service Request Date	27/02/2025
Sample ID No.:	URA/ID/A-25/02/046	Field Data Sheet No.	URA/FDS/A-25/02/046
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	27/02/2025	Date of Testing	28/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 1 Near PDA Gate 2 (Safety office)		
Environmental Conditions during Sampling :	Temp.:	Min.: 23 °C Max.: 35 °C	Avg.: 28 °C
	Rel. Humidity:	Min.: 19 % Max.: 49 %	Avg.: 33 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/04	Respirable Dust Sampler	210103157	28/03/2024	27/03/2025
UERL/AIR/FPS/04	Fine Particulate Sampler	210202145	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.98
2.	Flow Rate of PM ₁₀	m ³ /min	1.06
3.	Volume of Air Sampled for PM ₁₀	m ³	1525.1
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

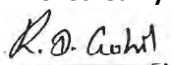
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	26.8	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

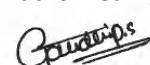
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR-TC153452500001203F			
Test Report No.:	URA/25/02/AIL-J/A-047	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/047	Service Request Date	27/02/2025
Sample ID No.:	URA/ID/A-25/02/047	Field Data Sheet No.	URA/FDS/A-25/02/047
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	27/02/2025	Date of Testing	28/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 23 °C	Max.: 35 °C
	Rel. Humidity:	Min.: 19 %	Max.: 49 %
		Avg.: 28 °C	Avg.: 33 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.92
2.	Flow Rate of PM ₁₀	m ³ /min	1.12
3.	Volume of Air Sampled for PM ₁₀	m ³	1607.4
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

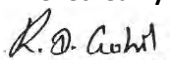
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	83.6	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	33.8	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	21.8	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	23.2	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	13.0	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	15.5	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	4.1	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

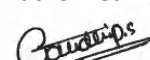
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)

Note: This report is subject to Terms and Conditions mentioned overleaf.

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-047	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/047	Service Request Date	27/02/2025
Sample ID No.:	URA/ID/A-25/02/047	Field Data Sheet No.	URA/FDS/A-25/02/047
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	27/02/2025	Date of Testing	28/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 3 Near CLB Plant		
Environmental Conditions during Sampling :	Temp.:	Min.: 23 °C Max.: 35 °C	Avg.: 28 °C
	Rel. Humidity:	Min.: 19 % Max.: 49 %	Avg.: 33 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/06	Respirable Dust Sampler	150403D062	28/03/2024	27/03/2025
UERL/AIR/FPS/06	Fine Particulate Sampler	210202149	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.92
2.	Flow Rate of PM ₁₀	m ³ /min	1.12
3.	Volume of Air Sampled for PM ₁₀	m ³	1607.4
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.0

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

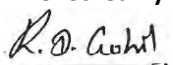
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	26.9	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

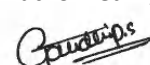
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
(AMBIENT AIR MONITORING)

ULR -TC153452500001204F				
Test Report No.:	URA/25/02/AIL-J/A-048	Report Issue Date	04/03/2025	
Service Request form No.:	URA/SRF/02/048	Service Request Date	03/02/2025	
Sample ID No.:	URA/ID/A-25/02/048	Field Data Sheet No.	URA/FDS/A-25/02/048	
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT			
Dates of Sampling:	03/02/2025	Date of Testing	04/02/2025	
Sampling Procedure:	As per CPCB Guidelines			
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)			
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C	Max.: 28 °C	Avg.: 22 °C
	Rel. Humidity:	Min.: 24 %	Max.: 58 %	Avg.: 43 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.27
2.	Flow Rate of PM ₁₀	m ³ /min	1.16
3.	Volume of Air Sampled for PM ₁₀	m ³	1689.2
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.3

➤ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

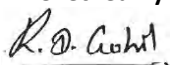
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Particulate Matter PM ₁₀	µg/m ³	70.7	100	IS: 5182 (Part 23)
2.	Particulate Matter PM _{2.5}	µg/m ³	22.9	60	IS 5182 (Part 24)
3.	Sulphur Dioxide	µg/m ³	27.4	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/m ³	29.9	80	IS: 5182 (Part 6)
5.	Ozone	µg/m ³	8.8	180	IS: 5182 (Part 9)
6.	Ammonia (NH ₃)	µg/m ³	9.7	400	IS: 5182 (Part 25)
7.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2.0	IS: 5182 (Part 10)
8.	Lead (Pb)	µg/m ³	BDL (MDL:0.5)	1.0	IS: 5182 (Part 22)
9.	Benzene	µg/m ³	BDL (MDL:1.0)	5.0	IS: 5182 (Part11)
10.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL (MDL:0.1)	1.0	IS: 5182 (Part 12)
11.	Nickel	ng/m ³	BDL (MDL:1.0)	20	IS: 5182 (Part 26)
12.	Arsenic	ng/m ³	BDL (MDL:1.0)	6.0	IS: 5182 (Part 22)
13.	Chlorine (Cl ₂)	µg/m ³	BDL (MDL:2.0)	--	IS: 5182 (Part 19)
14.	Volatile Organic Compound	µg/m ³	BDL (MDL:1.0)	--	IS: 5182 (Part-11)

Remarks:

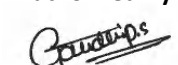
Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Page No: 1

UERL/AIR/F-05/05

Note: This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	URA/25/02/AIL-J/A-048	Report Issue Date	04/03/2025
Service Request form No.:	URA/SRF/02/048	Service Request Date	03/02/2025
Sample ID No.:	URA/ID/A-25/02/048	Field Data Sheet No.	URA/FDS/A-25/02/048
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Dates of Sampling:	03/02/2025	Date of Testing	04/02/2025
Sampling Procedure:	As per CPCB Guidelines		
Location of Sampling / Monitoring:	AAQM station - 2 Near Security Gate (Hydrogen Plant)		
Environmental Conditions during Sampling :	Temp.:	Min.: 18 °C Max.: 28 °C	Avg.: 22 °C
	Rel. Humidity:	Min.: 24 % Max.: 58 %	Avg.: 43 %

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/05	Respirable Dust Sampler	150403D072	28/03/2024	27/03/2025
UERL/AIR/FPS/05	Fine Particulate Sampler	210202144	28/03/2024	27/03/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.27
2.	Flow Rate of PM ₁₀	m ³ /min	1.16
3.	Volume of Air Sampled for PM ₁₀	m ³	1689.2
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.3

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➤ **Test Parameter Results**

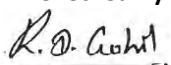
DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	µg/m ³	BDL (MDL:5.0)	--	UERL/AIR/SOP/07

Remarks:

Opinion & Interpretation (if required): BDL: Below Detection Limit, MDL: Minimum Detection Limit.

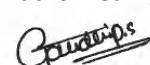
***** End of Report *****

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)

Annexure-7

Form No. 37 : Monitoring and Record of Volatile Organic Compounds

FORM NO. 37
(Prescribed under Rule 12-6)

Register Containing Particulars of monitoring of working environment required under Section 7-A(2)(a).

1. Name of Department/Plant. JADE-CLB, TEAM

2. Raw materials, by products and finished products involved in the process. CS₂, CL₂, BENZENE, ANILINE

3. Particulars of sampling.

Sr. No. અંક નંબર	Location operation mentioned સ્થાન	Identified contaminated પ્રદુષિત ની વિગત	Sampling Instrument used સાધન	Airborne Contamination		
				Number of Samples નમુના નંબર	Range રેન્જ	Average ઓવરેજ
1	2	3	4	5	6	7
			Date: <u>29/05/15</u>			
01	CLB PLANT CORROSION HEAT TANK (C602102)	CS ₂	VOC INSTRUMENT	01	0 PPM	
02	CLB PLANT TOP OF THE TANK (C602102)	CS ₂	VOC INSTRUMENT	01	0 PPM	0 PPM
03	CLB PLANT HEAD DGLUKE SYSTEM	CS ₂	VOC INSTRUMENT	01	0 PPM	
01	TEAM PLANT TANK FORM HEAT PUMP (C602200)	ANILINE	VOC INSTRUMENT	01	0 PPM	
02	TEAM PLANT TANK FORM HEAT PUMP (C602200)	ANILINE	VOC INSTRUMENT	01	0 PPM	0 PPM
03	TEAM PLANT TANK FORM HEAT TANK (C602201)	ANILINE	VOC INSTRUMENT	01	0 PPM	
01	CLB PLANT CORROSION HEAT REACTOR (C602101)	CHLORIDE	CL ₂ DETECTOR	01	0 PPM	
02	CLB PLANT FIRST CLUKE HEAT REACTOR (C602101)	CHLORIDE	CL ₂ DETECTOR	01	0 PPM	0 PPM
03	CLB PLANT SECOND CLUKE HEAT REACTOR (C602101)	CHLORIDE	CL ₂ DETECTOR	01	0 PPM	

કોર્મ નંબર. ૩૭
રૂલ ૧૨-બી મુજબ

પ્રદુષણ નીવારણ અંગેનું રજીસ્ટર

TWA concentrations (As given in Second Schedule)	Reference method રેફરન્સ	Number of workers exposed at the location being monitored કામગીરી ની સંખ્યા	Remarks રિમાર્ક્સ	Signature person taking sample નમુના લેઈ જનાર વ્યક્તિની સહી	Name (In Block Letters) નામ
8	9	10	11	12	13
1 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		
1 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		Vijay Kade
1 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		
2 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		
2 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		Vijay Kade
2 PPM	DIGITAL PID SENSOR	01	WITH IN RANGE		
0.5 PPM	DIGITAL PID SENSOR	02	WITH IN RANGE		
0.5 PPM	DIGITAL PID SENSOR	02	WITH IN RANGE		Vijay Kade
0.5 PPM	DIGITAL PID SENSOR	02	WITH IN RANGE		



Annexure-8

भारत सरकार
Government of India
वाणिज्य और उद्योग मंत्रालय
Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)
Petroleum & Explosives Safety Organisation (PESO)
9वीं मंजिल, पार्क पैराडाइज, वडसर,
वडोदरा- 390012
9th Floor, Park Paradise,
Vadsar,
Vadodara - 390012

E-mail : jtcce.vadodara@explosives.gov.in

Phone/Fax No : 0265 - 2361035

संख्या /No. : P/WB/GJ/15/2862 (P526017)

दिनांक /Dated : 04/10/2024

सेवा में
/To,

M/s. Aarti Industries Limited (Unit II),
PLOT NO.-756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B,
GIDC Jhagadia,
Jhagadia,
Taluka: Jhagadia,
District: BHARUCH,
State: Gujarat
PIN: 393110

विषय : Survey No, 122, Plot no 756/2 A&B, 756/3 A&B, 56/4 A&B, 756/5 A&B, 756/6 A&B, 756/7, 779 & Survey NO. 122,, GIDC Jhagadia,
/Sub : Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 में स्थित विद्यमान पेट्रोलियम वर्ग A अधिष्ठापन में अनुज्ञप्ति सं
P/WB/GJ/15/2862 (P526017) के नवीकरण के संदर्भ में ।
Existing Petroleum Class A Installation at Survey No, 122, Plot no 756/2 A&B, 756/3 A&B, 56/4 A&B, 756/5 A&B, 756/6 A&B, 756/7,
779 & Survey NO. 122,, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 - Licence
No. P/WB/GJ/15/2862 (P526017) - Renewal regarding.

महोदय
/Sir(s),

कृपया आपके पत्र क्रमांक OIN1784030 दिनांक 02/10/2024 का अवलोकन करें ।

Please refer to your letter No.: OIN1784030, dated 02/10/2024

अनुज्ञप्ति संख्या P/WB/GJ/15/2862 (P526017) दिनांक 13/10/2022 को दिनांक 31/12/2034 तक नवीनीकृत कर इस पत्र के साथ अग्रपिठ की जा रही है ।

Licence No. P/WB/GJ/15/2862 (P526017) dated 13/10/2022 is forwarded herewith duly renewed upto 31/12/2034.

2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कड़ाई से पालन करें । अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को अनुज्ञप्ति की वैधता समाप्त होने की तिथि से कम से कम 30 दिन पूर्व to Jt. Chief Controller of Explosives, Vadodara, so as to reach his कार्यालय में प्रस्तुत करें ।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence to Jt. Chief Controller of Explosives, Vadodara, so as to reach his office on or before the date on which Licence expires.

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

((तेजवीर सिंह)
(Tejveer Singh))
उप विस्फोटक नियंत्रक
Dy. Controller of Explosives
कृते संयुक्त मुख विस्फोटक नियंत्रक
For Jt. Chief Controller of Explosives
वडोदरा/Vadodara

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

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प्ररूप XV
(प्रथम अनुसूची का अनुच्छेद 6 देखिए)
FORM XV
(see Article 6 of the First Schedule)

अधिष्ठापनों में पेट्रोलियम के आयात और भंडारकरण के लिए अनुज्ञप्ति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनुज्ञप्ति सं. (Licence No.): **P/WB/GJ/15/2862(P526017)**

फीस रूपए (Fee Rs.) **5000/-** per year

M/s. Aarti Industries Limited (Unit II), PLOT NO.-756/2 A&B,756/3 A&B, 756/4 A&B, 756/5 A&B, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम **12.50 KL** आयात करने के लिए और उसका, नीचे वर्णित और अनुमोदित नक्शा संख्या **P/WB/GJ/15/2862(P526017)** तारीख **04/10/2024** जो कि इससे उपाबद्ध हैं, में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति की अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुज्ञप्ति अनुदत्त की जाती है।

Licence is hereby granted to **M/s. Aarti Industries Limited (Unit II), PLOT NO.-756/2 A&B,756/3 A&B, 756/4 A&B, 756/5 A&B, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110** valid only for the importation and storage of **12.50 KL** Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No **P/WB/GJ/15/2862(P526017)** dated **04/10/2024** attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुज्ञप्ति 31st day of December **2034** तक प्रवृत्त रहेगी।
The Licence shall remain in force till the 31st day of December **2034**

पेट्रोलियम का विवरण /Description of Petroleum	अनुज्ञप्त मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	12.50 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C,otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	12.50 KL

October 13, 2022

For Jt. Chief Controller of Explosives
WB, Vadodara

अनुज्ञप्त परिसरों का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुज्ञप्त परिसर जिसकी विन्यास सीमाएं अन्य विशिष्टियां संलग्न अनुमोदित नक्शों में दिखाई गई हैं **Survey No: 122, Plot no 756/2 A&B,756/3 A&B, 56/4 A&B, 756/5 A&B, 756/6 A&B,756/7, 779 & Survey NO. 122,, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110** स्थान पर अवस्थित है तथा उसमें निम्नलिखित **1 Under Ground tank(s) for CLASS A** सम्मिलित हैं।

The licensed premises, the layout , boundaries and other particulars of which are shown in the attached approved plan are situated at **Survey No: 122, Plot no 756/2 A&B,756/3 A&B, 56/4 A&B, 756/5 A&B, 756/6 A&B,756/7, 779 & Survey NO. 122,, GIDC Jhagadia, Jhagadia, Taluka: Jhagadia, District: BHARUCH, State: Gujarat, PIN: 393110** and consists of **1 Under Ground tank(s) for CLASS A** together with connected facilities.

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require signature.**

अनुज्ञप्ति संख्या-(Licence No.) P/WB/GJ/15/2862 (P526017)

नवीनीकरण के पृष्ठांकन के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या नवीकरण की तारीख उनके अधीन बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञप्ति फ़िस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी।	Date of Renewal	Date of Expiry of license	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature and office stamp of the licencing authority.
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This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

1).

04/10/2024 31/12/2034

Tejveer Singh
Dy. Controller of Explosives
For Jt. Chief Controller of
Explosives
Vadodara

यदि अनुज्ञप्ति परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुज्ञप्ति मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुज्ञप्ति रद्द की जा सकती है और अनुज्ञप्तिधारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चातवर्ती अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

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



Directorate Industrial Safety & Health

सत्यमेव जयते

Directorate Industrial Safety & Health

FORM NO. 4
(Prescribed under Rules 5)

FORM NO. 4
License to work a factory
(Prescribed under Rule 5)

Registration No. 1952/2417/2012
FIN. S06015402A

License No. 15402
D.A. 26-Oct-2012

License is hereby granted to

Mr. KIRITBHAI R. MEHTA

For the premises known as

AARTI INDUSTRIES LIMITED

situated at

PLOT NO. 756/2A&B 3A&B 4A&B 5A&B 6 7&779 JHAGADIA GIDC. DIST. BHARUCH

Ta.: Jhagadia Dist.: Bharuch

for use as a factory within the limits specified in the plan approved by the

Joint Director Industrial Safety and Health, Surat Region

vide No. 1206 Date 20-Oct-2011 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 : **5,000**
- Maximum installed power in B.H.P. on any day during the year : **Above 5000**

The license is valid up to 31st December 2025,

Fees paid Rs. 330,200.00

Fees due Rs. 330,050.00

Excess Rs. 150.00

Place : Bharuch

Date : 06-Feb-2021



Signature valid

Digitally signed by VAGHELA NAVIN
DHIRAJLAL
Date: 2021.02.06 10:34:32 +05:30
Reason: Approval
Location: Bharuch

Deputy Director
Industrial Safety and Health
Bharuch

Ref no. AIL/Lic. No.15402/2024-25/059

26 December 2024

To,
The Deputy Director.
Industrial safety & health,
2nd floor, Multi Storied Building,
Near new court,
Kanbi Vaga. Bharuch.

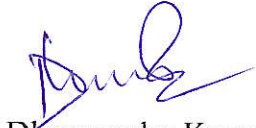
Sub: Submission of Mock Drill Report for FY 2024-25 (Q3)
Ref : Factory License no. 15402

Respected Sir ,

Referring to the subject mentioned above, we had conducted a mock drill on 20.11.2024 to check the preparedness and effectiveness of the employees as per our schedule. We are submitting the detailed report for your kind perusal.

Refer attached annexure of detailed mock drill report. In view of the above, We request to acknowledge the same and oblige.

Thanking You,
For, Aarti Industries Limited,



Dharmendra Kumar
(Factory Manager)

Aarti Industries Limited

Plot No.756/2A&B, 756/3A&B, 756/4A&B, 756/5A&B, 756/6, 756/7, 756/8, 756/9, 778 & 779, At GIDC Jhagadia, Dist- Bharuch, Gujarat, 393110

Enclosure:

Annexure 1: Mock drill report along with photographs
જિનિયર કલ્કાર્ક
ઔદ્યોગિક સલામતી અને સ્વાસ્થ્ય
ભરૂચ

CL-1 CONFIDENTIAL

www.aarti-industries.com | CIN : L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, IIIrd Phase, GIDC Vapi - 396 195, Dist. Valsad. INDIA. T : 0260-2400366.
Factory : Plot No. 756/2A & B, 756/3A & B, 756/4A & B, 756/5A & B, 756/6, 756/7, 779 + 778 + 756/8 & 9, Survey No. 122, GIDC Estate, Jhagadia, Taluka. Jhagadia, Dist. Bharuch, Gujarat - 393110. INDIA.
Phone No. : 9537011611, 9537011711, 9537011811
Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.
T : 022-67976666, F : 022-2565 3234 | E : info@aarti-industries.com

Annexure-11

Fire Water Storage and pump Details

Fire Pump house near PDA plant

Sr. No	Description	Make	HP	RPM	Flow Rate	Head
1	Jockey Pump A	KSB	20 HP	2900	10 M3/HR	88 m
2	Jockey Pump B	KSB	20 HP	2900	10 M3/HR	88 m
3	Main Pump A	KSB	150 HP	2900	273 M3/HR	88 m
4	Main Pump B	KSB	150 HP	2900	273 M3/HR	88 m
5	Disel Pump	KSB	167 HP	1800	273 M3/HR	88 m

Fire Water Reservior Capacity :- 420 KL

Diesel tank capacity of DG Pump :- 200 Litres

Fire Pump house near Hydrogen generation plant

Sr. No	Description	Make	HP	RPM	Flow Rate (m3/hr)	Head
1	Jockey Pump	WILO	7.5 HP	2900	10	70 m
2	Main Pump	KSB	100HP	2970	270	70 m
3	Diesel Pump	Greaves	130HP	1800	273	70 m

Fire Water Reservior Capacity :- 420 KL

Diesel tank capacity of DG Pump :- 200 Litres

Fire Pump house near Gold Plant

Sr. No	Description	Make	HP	RPM	Flow Rate (m3/hr)	Head
1	Jockey Pump	WILO	7.37 HP	2900	10.8 m3	88 mmwc
2	Jockey Pump	WILO	7.37 HP	2900	10.8 m3	88 mmwc
3	Main Pump	WILO	215 HP	1488	410 m3	88 mmwc
4	Diesel Pump	WILO	254 HP	1800	410 m3	88 mmwc

Fire Water Reservior Capacity :- 1230 KL

Diesel tank capacity of DG Pump :- 500 liters

Fire Pump house near 2,5 DCNB Plant

Sr. No	Description	Make	HP	RPM	Flow Rate (m3/hr)	Head
1	JOCKEY Pump 1	WILO	45	2965	50	105 mmwc
2	JOCKEY Pump 2	WILO	45	2965	50	105 mmwc
3	MAIN Pump 1	WILO	225	1490	410	105 mmwc
4	MAIN Pump 2	WILO	225	1490	410	105 mmwc
5	DIESEL Pump	WILO	260	2100	410	105 mmwc

FIRE WATER RESERVOIR CAPACITY : 4000KL

DIESEL TANK CAPACITY :- 500 LITERS



VISION POWER FACTx

POWER QUALITY – ENERGY AUDITS – SAFETY AUDITS – POWER SYSTEM STUDIES

AREA CLSSIFICATION REPORT

Client: Aarti Industries

Location: Jhgadla – Gujarat Plant

Unit 1 & Unit 2



VISION POWER FACTx

POWER QUALITY – ENERGY AUDITS – SAFETY AUDITS – POWER SYSTEM STUDIES

PROLOGUE

Area Classification Review or Hazardous Area Classification Review audit was conducted at Aarti Industries Ltd., Jhagadia GIDC in Gujarat. Aarti Industries Ltd. has two Units (Unit 1 & Unit 2) and both the units were covered in the Audit.

Area Classification Review involves in principle, a survey of electrical apparatus operating in plant where the process involves use of chemicals in liquid, gaseous, or powder form and reactions are brought about on large scale. The energy used in the process is largely deployed through apparatus/machinery using electrical power through electric motors and other electrical apparatus. Also, power electronic and automation devices operating under the environment come under the scope of review.

This report includes begins with basics of Area Classification, approach and methodology taken during Area classification Review, and finally area wise observations and finally recommendations for enhancing safety measures.

Audit was completed by the team members mentioned below in three visits to the plant.

Pradip Thakur

Prashant Samant

Tushar Jagdale

Dipti Dhakan

Rakesh Chouhan

Prasahnt Savant

It is hoped that the contents of the reports, suggestions and findings will be appreciated.

The filed team thanks all concerned engineers and managers for extending best of their cooperation and also sharing necessary information to the field team during the area classification review at the site.

For Vision Power Factx

Authorized Signatory



1.0 BASICS OF AREA CLASSIFICATION

EXPLOSION DUE TO FLAMMABLE GASES & VAPOURS:

The chemicals being used enter the surrounding (in the form of vapours, mist or gas) OR may be present in the powder form. If inflammable, these gases, vapours, mist or suspended particles may reach concentration levels good enough to cause explosion if the operating electrical apparatus lets out spark. Also, should the surface temperature of electrical apparatus reach the point where given concentration above LEL (Lower Explosive Limit) of flammable gases, vapours reach Auto Ignition point there can be an explosion.

EXPLOSION DUE TO FLAMMABLE DUST:

Five elements are necessary to initiate a dust explosion, often referred to as the “Dust Explosion Pentagon”.

1. Combustible dust (fuel);
2. Ignition source (heat); and,
3. Oxygen in air (oxidizer).

An additional two elements must be present for a combustible dust explosion:

4. Dispersion of dust particles in sufficient quantity and concentration; and,
5. Confinement of the dust cloud.

Area Classification as per IEC has Zone 0, Zone 1 & Zone 2 for protection against flammable volatile liquids, Mist, Gases and Vapours.

Area Classification as per IEC has Zone 20, Zone 21 & Zone 22 for protection against flammable dust particles.

The zone classification is based on the likelihood and the duration of an explosive atmosphere.

It is all about ensuring that electrical and power electronic equipment or apparatus or system design as well as installation meets with the criteria of Zone classifications.

Zone 0:

Is where, flammable substances in the form of gas, vapour or mist can remain present continuously or frequently. Such areas for example could be: Most often closed process vessels, closed storage tanks and closed containers IP 15 stipulates presence of flammable gases, vapours or mists for more than 1000 hours per Annum.

Zone 1:

Is where, flammable substances in the form of gas, vapour or mist are likely to occur in normal operation occasionally. Gas generator rooms inadequately ventilated pump rooms for flammable gases or for



VISION POWER FACTx

POWER QUALITY – ENERGY AUDITS – SAFETY AUDITS – POWER SYSTEM STUDIES

volatile flammable liquids IP 15 stipulates between presence of flammable gases, vapours or mists between 10 hours to 1000 hours per Annum.

Zone 2:

Is where explosive atmosphere consisting of air mixed with flammable substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

For an area to qualify as Zone 2 the following are the requirements.

1. The area is so well ventilated that if an abnormal conditions arises, ignitable concentrations of the gas or vapour are rapidly dispersed.
2. And complete segregation from Zone 1 locations is ensured.

IP 15 stipulates: flammable vapours or gases of less than 10 hours per annum

GAS GROUP & TEMPERATURE CLASS:

When performing Hazardous area zoning and compliances it necessary to look into **Two More** aspects.

1. Gas Group of flammable Atmosphere
2. Temperature Class for flammable Atmosphere

Explosion protected apparatus suitable for a Zone 1 area such as Flameproof (Ex d) apparatus is automatically suitable for all Zone 1 locations. This is misconception. The gas group of the environment also needs to be considered.

- a) **Group I** : Electrical equipment for mines susceptible to methane, &
- b) **Group II** : Electrical equipment for all places with an explosive gas atmosphere, other than mines susceptible to methane.

Group II is then further divided into subgroups II A, II B or II C.

If any equipment is certified for use in Gas Group IIC, it can be used for Gas Groups II B and II A.

If any equipment is certified for use in Gas Group IIB, it can be used for Gas Groups II A.

If any equipment is certified for use in Gas Group IIA, it cannot be used for Gas Groups II B and II C.

NOTIFIED AREA OFFICE

(GUJARAT INDUSTRIAL DEVELOPMENT CORPORATION)

Plot no. 40, Road no. 08 Near PepsiCo.

GIDC Jhagadia – 393110

Phone – (02645) 226154

Email – chiefofficernajhg@gmail.com

GSTIN no. 24AAALN1956C1ZD

નિર્દિષ્ટ વિસ્તાર અધિકારીશ્રીની કચેરી

(ગુજરાત ઔદ્યોગિક વિકાસ નિગમ)

પ્લોટ નં. ૪૦, રોડ નં. ૦૮,

પેપ્સીકો કંપની પાસે

જીઆઈડીસી ઝગડિયા - ૩૯૩૧૧૦

OW No. NAA/ CO/ JHG/ 163

Date – 28/5/2020

To Whom So Ever It May be Concern

This is to certify that, GIDC is able to supply 5600.0 KL/Day quantity of water to M/s Aarti Industries, Plot No. 779 + 756/2A&B + 756/3A&B + 756/4A&B + 756/5 A&B + 756/6 + 756/7 and Others at GIDC Jhagadia Industrial Estate, as per GIDC water supply rules and regulations after getting approval from competent authority of GIDC.

Chief Officer (N.A.A.)
GIDC Jhagadia

To,
M/s Aarti Industries,
Plot No. 779 + 756/2A&B + 756/3A&B + 756/4A&B + 756/5 A&B + 756/6 + 756/7
G.I.D.C, Jhagadia

No: GIDC/DEE/JHG/ **SH**

DATE : 14.11.2017

To Whom So Ever It May Be Concern

This is to certify that GIDC is able to supply 855.0 KL/day quantity of water to M/s Aarti Industries Limited , Plot No. 778 at GIDC Jhagadia Industrial Estate . as per GIDC water supply rules and regulations .



Dy Executive Engineer

GIDC Jhagadia



To,

M/s Aarti Industries Limited

Plot No. 778

GIDC , Jhagadia



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

By R.P.A.D.
CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A - Amendment)
CCA AMENDMENT NO: AWH - 138793

NO: GPCB/ANK/CCA-1381(8)/ID-35534/

DT: ___/02/2025

To,
✓ M/s. AARTI INDUSTRIES LTD.
PLOT NO: 756/2A&2B, 756/3A&3B, 756/4A&4B, 756/5A&5B, 756/6, 756/7, 756/8+9, 779,
778,
GIDC ESTATE JHAGADIA,
DIST-BHARUCH.

SUB: Amendment in Consolidated Consent & Authorization (CC&A) under various Environmental Acts/ Rules.

REF: (1) Your application No. 276574 dated: 05/04/2023.
(2) CCA No. AWH - 119949 dated: 05/08/2022. (CCA Renewal)
(3) CCA Amendment No. H - 119950 dated: 05/08/2022.
(4) CCA Amendment No. AWH - 126636 dated: 28/06/2023.

Sir,

This has reference to the CCA order No: AWH-119949, issued vide letter no. GPCB/ANK/ CCA-1381(6)/ ID-35534/680090, dated 05/08/2022 and further amended dated 05/08/2022, 28/06/2023 under the provisions of the various Environmental Act/ Rules, which stands amended as under.

The Validity of this order will be up to 30/04/2029.

1. The list of proposed products to be manufactured shall be as follows:

Sr. No.	Name of Products	Existing (MT/Year)	Proposed (MT/Year)	Total Quantity (MT/Year)
1	Hydrogen Gas	3000 Nm3/Hr	0	3000 Nm3/Hr
2	Purification of O/P/M Phenylene Di Amine	18000	0	18000
3	Calcium Chloride (Solid)	72000	0	72000
I. A Group IA - Chlorination Products and its Derivatives				
1	Mono Chloro Benzene (MCB) Either/OR	72000	18000	90000
2	Ortho Dichloro Benzene (ODCB) / Para Dichloro Benzene (PDCB) / Meta Dichloro Benzene (MDCB) Either/OR			

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3	1,2,3/1,2,4 Tri Chloro Benzene (TCB) Either/OR			
4	Ortho Chloro Toluene (OCT) / Para Chloro Toluene (PCT) Either/OR			
5	2-Chloro 4-Nitro Toluene Either/OR			
6	6-Chloro 2-Nitro Toluene/ 4-Chloro 2-Nitrotoluene Either/OR			
7	Crude of All Above Group I. A (Sr. No. 1-6 Chlorination Products)			
I. B Group I B - Chlorination Products and its Derivatives				
1	2,4,6 Tri Chloro Aniline (TCAN) Either/OR			
2	2,6 Di Chloro Para Nitro Aniline (2,6 DCPNA) Either/OR	7200	0	7200 (Added Sr. no. 2 as per EC)
3	Crude of All Above Group I. B (Sr. No. 1 Chlorination Products)			
II. A Group IIA - Hydrogenated Products and its Derivatives				
1	Ortho Toluidine/ Para Toluidine/ Meta Toluidine Either/OR			
2	Meta Chloro Aniline/ Ortho Chloro Aniline/ Para Chloro Aniline Either/OR			
3	3,4 Di Chloro Aniline/ 2,3 Di Chloro Aniline/ 2,5 Di Chloro Aniline Either/OR			
4	2,4 Dichloro Aniline/ 2,6 Di Chloro Aniline/ 3,5 Di Chloro Aniline Either/OR	36000	0	36000
5	3,4 Diamino Diphenyl Ether / 4,4 Diamino Diphenyl Ether Either/OR			
6	Ortho Anisidine/ Para Anisidine/ Meta Anisidine Either/OR			
7	Chloro Fluoro Aniline Either/OR			



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8	Ortho Cumidine/ Para Cumidine/ Meta Cumidine Either/OR			
9	Toluidines Either/OR			
10	Aniline Either/OR			
11	Para Fluoro Aniline/ Meta Fluoro Aniline/ Ortho Fluoro Aniline Either/OR			
12	1, 3 Di Fluoro Aniline/ 2, 4 Di Fluoro Aniline Either/OR			
13	1, 3 Di Fluoro Benzene Either/OR			
14	4- Fluoro-N-Isopropyl Aniline Either/OR			
15	4-Chloro-N-Isopropyl Aniline Either/OR			
16	Crude of all above Group II. A (Sr. No. 1-15 Hydrogenation product)			
II. B Group IIB - Hydrogenated Products				
1	2,4,5 Trichloroaniline Either/OR			
2	Meta Phenylene Di Amine/ Ortho Phenylene Di Amine/ Para Phenylene Di Amine Either/OR	36000	0	36000
3	Para Amino Phenol/ Meta Amino Phenol Either/OR			
4	Crude of all above Group II. B (Sr. No. 1-3 Hydrogenation product)			
III	DAPBI (2 (4 amino phenyl - 1(H) - benzo(d) imidazol - 5 - amine))	420	0	420
IV Nitration (As per EC-Group VIII)				
1	2,4/2,3/2,5/3,4 Di Chloro Nitro Benzene	0	84000	84000
V Physical Separations (As per EC-Group X)				
1	Ortho Di chloro Benzene (Only Physical Separation)	0	10800	10800

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2	Para Di chloro Benzene (Only Physical Separation)	0	12000	12000
3	Meta Di chloro Benzene (Only Physical Separation)	0	2400	2400
By Product				
1	Steam	136.56 MT/Day	0	136.56 MT/Day

2. **Specific conditions:**

- Unit shall use fresh raw material only.
- Unit shall comply all conditions as per obtained EC dated: 30/05/2022 & 28/10/2022.
- Unit shall comply with the undertaking dated: 16/04/2024 and do not send Spent Sulphuric Acid to Fertilizers, Pharma and food industries.
- Unit shall dispose their primary treated effluent to CMEE-BEIL & Detox up to 31/12/2024 and in this time unit shall completely start their installed advance treatment system MEE, ATFD & RO and submit report on monthly basis to board.
- Unit shall not extract ground water from borewell in any case.
- Unit shall submit report of compliance of the conditions of EC every six month to the Board.
- Unit shall comply with GPCB circular regarding Retrofitting of Emission control devices in DG set dated 27/08/2021 and amended thereafter.
- Unit shall sell out their hazardous waste to authorized endusers who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endusers and submit MoU.
- 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.
- 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.
- Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline.
- Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.
- Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.
- 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:**

- The condition No. 3.3 for Water Consumption under Water Act of the CCA order No: **AWH-119949, issued vide letter no. GPCB/ ANK/ CCA-1381(6)/ ID-35534/680090, dated 05/08/2022 and further amended dated 05/08/2022, 28/06/2023** is amended and shall now be read as under.



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Water (Qty: KL/day)	Water consumption		
	Existing	Proposed	Total
Domestic	125	--	125
Industrial	4453.28	342	4795.28
Gardening	300	--	300
Total	4878.28	342	5220.28

- 3.2 The condition No. 3.1 & 3.2 for Wastewater Generation under Water Act of the CCA order No: **AWH-119949**, issued vide letter no. GPCB/ ANK/ CCA-1381(6)/ ID-35534/680090, dated 05/08/2022 and further amended dated 05/08/2022, 28/06/2023 is amended and shall now be read as under.

Water (Qty: KL/day)	Wastewater Generation		
	Existing	Proposed	Total
Domestic	120	--	120
Industrial	556	132	688
Total	676	132	808

- 3.3 Mode of disposal of wastewater:
- 688 KLD industrial effluent: 490 KLD treated effluent shall be sent to FETP of NCT-Jhagadia and 198 KLD shall be sent to CMEE-DIPL and CMEE-BEIL.
 - 120 KLD domestic sewage shall be treated in STP as per previous CCA conditions.

4. CONDITIONS UNDER THE AIR ACT:

- 4.1 The condition No. 4.1 for Fuel Consumption under Air Act of the CCA order No: **AWH-119949**, issued vide letter no. GPCB/ ANK/ CCA-1381(6)/ ID-35534/680090, dated 05/08/2022 and further amended dated 05/08/2022, 28/06/2023 is amended and shall now be read as under.

Sr. No.	Name of fuel	Quantity		
		Existing	Proposed	Total
1	HSD	4049 lit/hr.	660 lit/hr.	4709 lit/hr.
2	Coal/ Coal+Briquettes	4.1 MT/Hr.	0	4.1 MT/Hr.
3	Steam from Aarti Industries Ltd. (U-1) (XGN ID; 14855) OR	90 TPH	0	90 TPH
4	Steam from DCM Shriram Ltd. (XGN ID; 156725)			
5	Natural Gas for Thermic Fluid Heater (4 Lakh Kcal/Hr)	60 SM3/hr.	0	60 SM3/hr.
6	Natural Gas for Boiler (30 TPH - 2 Nos)	0	5800 SM3/hr.	5800 SM3/hr.

- 4.2 The condition No. 4.2 for Flue gas stacks under Air Act of the CCA order No: **AWH-119949**, issued vide letter no. GPCB/ ANK/ CCA-1381(6)/ ID-35534/680090, dated 05/08/2022 and further amended dated 05/08/2022, 28/06/2023 is amended and shall now be read as under.

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Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
	Total				
1	D.G Set (650 KVA-2 Nos)	11 (each)	Retrofitting of Emission control devices	PM SO2 NOX	150 mg/NM ³ 100 ppm 50 ppm
2	D G Set (320 KVA)	11			
3	D G Set (1010 KVA-6 Nos)	11 (each)			
4	DG Set (1250 KVA)	11			
5	D G Set (1500 KVA-3 Nos)	11 (each)			
6	Hot Air generator	33	Cyclone Separator, Bag Filter & Water/dry Scrubber		
7	TFH (40 Lacs K.cal/Hr)	30	Bag Filter		
8	TFH (4 Lacs K.cal/Hr)	15	--		
9	Boiler 30 TPH- 2 nos.	30 (Common stack)	--		
10	DG Set (Cap: 1500 KVA - 2 Nos)	11 each	Retrofitting of Emission control devices		

- 4.3 The condition No. 4.3 for Process gas stacks under Air Act of the CCA order No: **AWH-119949**, issued vide letter no. GPCB/ ANK/ CCA-1381(6)/ ID-35534/680090, dated 05/08/2022 and further amended dated 05/08/2022, 28/06/2023 is amended and shall now be read as under.

Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
	Total				
1	Reformer (Hydrogen)	26	--	CO	150 mg/Nm ³



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2	CaCO ₃ Reactor (CaCl ₂ plant)	23	Alkali Scrubber	HCl	20 mg/Nm ³
3	CaCl ₂ Dryer Vent (CaCl ₂ plant)	20	Wet Scrubber	PM	150 mg/Nm ³
4	Chlorinator Reactor vent	30	Falling Film absorber (Water) followed by Alkali Scrubber	HCl Chlorine	20 mg/Nm ³ 9 mg/Nm ³
5	CLB-Cl ₂ Scrubber (Storage/Pipeline)	15	Caustic Scrubber	Cl ₂	9 mg/Nm ³
6	CLB - PDCB Scrubber (Storage)	15	Single Stage, ODCB	VOC	--
7	CLB - HCl Scrubber (Storage)	15	HCl absorber followed by Caustic scrubber	HCl	20 mg/Nm ³
8	HCl Scrubber (Storage)	15	Caustic scrubber	HCL	20 mg/Nm ³
9	TCB Scrubber	15	HCl absorber followed by caustic scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
10	TCB-ODCB Scrubber (Storage)	15	Single Stage, ODCB	VOC	--
11	Group IB: Chlorination Products and its Derivatives	15	HCl absorber followed by caustic scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
12	DAPBI Process	15	Water Scrubber followed by Alkali Scrubber	HCl	20 mg/Nm ³
13	DAPBI Process	15	Acidic Scrubber	NH ₃	175 mg/Nm ³
14	ETP Scrubber	15	Acidic Scrubber	NH ₃	175 mg/Nm ³
15	Scrubber connected to Nitration Reactors.	11	Two stage alkali scrubber	NO _x	25 mg/Nm ³

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Outward No: 82864/02/10/2025

- 4.4 The concentration of the following parameters in the ambient air within the premises of the industry 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.

- 4.6 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified in condition as above.

5 CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016

- 5.1 Unit shall comply with provisions of Hazardous & Other Wastes (Management & Transboundary Movement) Rules-2016.
- 5.2 The condition No. 6.2 under authorization for Hazardous & other wastes of the CCA order No: AWH-119949, issued vide letter no. GPCB/ ANK/ CCA-1381(6)/ ID-35534/680090, dated 05/08/2022 and further amended dated 05/08/2022, 28/06/2023 is amended and shall now be read as under.

Sr. No.	Name of Haz. Waste	Cate. Num.	Quantity in MT/Year			Facility
			Exi.	Pro.	Total	
1	ETP waste	35.3	6935	2190	9125	Generation, Collection, Storage, Transportation, & disposal to TSDF site OR Co-Processing at cement industry.
2	Silica Sludge	35.3	11707	--	11707	Generation, Collection, Storage, Transportation, disposal to common TSDF, OR Pre-Processing OR Co-Processing at cement industry
3	Used Oil / Waste Oil	5.1	40	6	46	Generation, Collection, Storage, Transportation and Disposal by Reuse in plant & machinery as lubricant or sell it to authorized re-refiners / recycler.



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4	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	33.1	300	50	350	Generation, Collection, Storage, Transportation, decontamination, disposal by sending back to raw material supplier OR sale to registered recyclers/reuse back OR disposal at TSDF OR Pre-Processing OR Co-Processing at cement industry
5	Distillation residue waste Process residue	36.1/26.1	9615	1950	11565	Generation, Collection, Storage, Transportation, disposal by CHWIF, OR Pre-Processing OR Co-Processing
6	Spent Catalyst	26.5	300	--	300	Generation, Collection, storage, transportation & disposal by sale to registered regenerators/TSDF Site.
7	Hydrochloric Acid (HCl)	B15	159749	36516	196265	Generation, Collection, Storage, Transportation and Disposal by sell out to authorized users who is having authorization with valid CCA and rule 9 permission to receive this waste after making MoU. OR Collection, Storage, transportation & reused in manufacturing of CaCl ₂ .
8	Sodium Hypochlorite (NaOCl)	B7	2148	--	2148	Generation, Collection, Storage, Transportation and Disposal by sell out to authorized users who is having authorization with valid CCA and rule 9 permission to receive this waste after making MoU.
9	Sodium Chloride (NaCl)	B36	38646	--	38646	Generation, Collection, storage, transportation & send to TSDF site for landfill.
10	Calcium Chloride solution	C2	58000	--	58000	Generation, Collection, Storage, Transportation and Disposal by sell out to authorized users who is having authorization with valid CCA and rule 9

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						permission to receive this waste after making MoU.
11	Spent Carbon	36.2	400	--	400	Generation, Collection, Storage, transportation, sent for co-processing/ incineration.
12	Off specification Product	26.1	145	--	145	Generation, Collection, Storage, Transportation, disposal by CHWIF OR Pre-Processing OR Co-Processing at cement industry.
13	PPE's Waste, Non Recyclable plastic waste	33.2	200	--	200	Generation, Collection, Storage, Transportation, disposal to Land filling OR Co-Processing at cement industry.
14	Mix Solid waste (Contaminated Cotton Waste, Paper Waste, Woods waste, Non Recyclable plastics/ PPE's etc.)	--	150	--	150	Generation, Collection, Storage, Transportation disposal to incineration OR Co-Processing at cement industry.
15	Stripper TOP Containing Organic Content	26.1	1095	--	1095	Generation, Collection, Storage, Transportation disposal to incineration/ Co-Processing.
16	Spent Solvent	26.4	35	--	35	Generation, Collection, Storage, Transportation disposal to incineration/Co-Processing OR Disposal by sell out to authorized users who is having authorization with valid CCA and rule 9 permission.
17	Asbestos waste	15.2	80	--	80	Generation, Collection, Storage, Transportation disposal by at TSDf Site.
18	Ammonia Solution	--	480	--	480	Collection, Storage and reuse in the same process OR Collection, Storage, Transportation and Disposal by sell out to authorized users who is having authorization with



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						valid CCA and rule 9 permission to receive this waste after making MoU.
19	Waste or residue containing Oil	5.2	10	--	10	Generation, Collection, Storage, Transportation, disposal by CHWIF OR Pre-Processing OR Co-Processing at cement industry.
20	Spent Sulphuric Acid	B15	--	56700	56700	Collection, Storage, Transportation and Disposal by sell out to authorized users who is having authorization with valid CCA and rule 9 permission to receive this waste after making MoU OR Co-processing as per CPCB SOP released under Rule-9 OR Reception, Storage and utilization in the process as per CPCB SOP-53.
Non-Hazardous Waste:						
1	Fly Ash	-	3000	--	3000	Generation, Collection, Storage, Transportation, Sold to Brick Manufacturer OR other use i.e road construction OR Co-Processing at cement industry
2	Mixed Waste (Office Paper, paperboard and paper product wastes, plastic waste etc.)	-	150	--	150	Generation, Collection, Storage, Transportation & disposal at TSDF Site/ Incineration/OR Co-Processing at cement industry.
3	Insulation waste/ Thermocol	S1/ S3	150	--	150	Generation, Collection, Storage, Transportation, disposal to common TSDF.
4	E-Waste/ Electrical Waste	--	25	--	25	Generation, Collection, Storage, Transportation and disposal to registered recyclers
5	Battery waste	--	1520 Nos.	--	1520 Nos.	Generation, Collection, Storage, Transportation, Disposal by selling to authorized recyclers
6	Bio-medical waste	--	1	--	1	Generation, Collection, Storage, Transportation,

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						Disposal to CBWTF- Incineration
7	Glass	S7	12	--	12	Collection, Storage, Transportation, disposal /sold to scrap processors
8	STP Waste (Sludge)	--	120	--	120	Collection, Storage, Transportation disposal as manure.

- 6 All other conditions of the CCA order No: AWH-119949, issued vide letter no. GPCB/ ANK/ CCA-1381(6)/ ID-35534/680090, dated 05/08/2022 and further amended dated 05/08/2022, 28/06/2023 will remain same.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

Arun G. Patel
03.02.2025

(Arun G. Patel)
ENVIRONMENT ENGINEER

Outward No:852864, 03/02/2025

Annexure-15

Photographs of Flow Meter



Inlet of ETP



Outlet of ETP



Inlet of MEE



Flowmeter at NCT Discharge Point

Annexure-16

Photographs of Logbook

AARTI INDUSTRIES LIMITED
 Plot No. Plot No: 756/2A&B, 756/3A&B, 756/4A&B, 756/5A&B, 756/6, 756/7, 756/8+9 & 779, GIDC Estate Jhagadia, Dist.-Bharuch.
LOGSHEET : INDUSTRIAL EFFLUENT GENERATION & ENERGY READING

Date: - 17/03/2025

Plant / Section	Process Effluent Reading		
	Initial Reading	Final Reading	Diff (KL)
Unit-IV	73440	97246	23.8
CLB	3100	3100	0
TCAN	10000	10000	0
TCB	198	198	0
ICPNA	—	—	—
5 DCNB	5348770	5356180	7.41
Gold	—	approx	54.5
(KL)	—	—	85.71

Plant / Section	Utility Effluent Reading		
	Initial Reading	Final Reading	Diff (KL)
Unit-2 Common CTBD	15459500	15582500	12.3
Gold CTBD	2461430	2503490	42.05
DM Plant	32873000	32961000	88
Gold ETP CTBD	5292980	5322610	29.63
2.5 DCNB CTBD	—	—	—
7.5 Cond	—	approx	15
Total (KL)	—	—	297.68

Electrical Consumption in ETP (MCC Panel)			
Panel No	Initial Reading	Final Reading	Diff (Kwh)
CC 2A	680977.805	681918.209	940.404
CC 2B	1200473.923	1204338.490	3865.057
CC 2C	63078.129	63341.935	263.806
CC 2D	664204.147	666155.071	1950.924
CC 2J	102688.237	102865.914	177.677
(Kwh)	—	—	7197.868

Plant Operation Discription			
Section	Initial Reading	Final Reading	Diff (KL)
NCTL	129715	140054.92	339.92
Process MEE Feed	12695300	12783100	87.8
Process MEE Cond.	10942300	11004700	62.4
Process ATFD Feed	2033760	2033760	0
Process RO Feed	—	—	—
Process RO Permeat	—	—	—
Stripper Feed	2384270	2395950	11.68
Total (KL)	—	—	501.8

Energy Consumption in ETP			
Section	Initial Reading	Final Reading	Diff (MT)
Process MEE	2446830	2461260	14.43
Process ATFD	1473810	1433810	0
Stripper	644938	648417	3.429
(MT)	—	—	17.86

No.	Role	Name	Signature	Remarks
1	Shift Incharge	Vivek Shrivastava	[Signature]	
2	Section Incharge	Prit Jethava	[Signature]	
3	Plant Manager	Chintan Jethava	[Signature]	

ETP Logbook

RAW WATER ANALYSIS						MBR ANALYSIS		TREATED WATER ANALYSIS					Alkalinity p.H	MLVSS	REMARKS
DATE	COD	TDS	PH	COND	TSS	MLSS	MLVSS	COD	TDS	PH	COND	TSS			
19/02/25	464	1041	7.33	1602	218	3610	2108	46	321	7.18	494	20	7.16		
20/02/25	462	1100	7.21	1692	194	3128	1674	46	183	7.43	281	16	7.03		
21/02/25	380	1087	7.25	1673	186	4522	2216	30	272	8.03	418	14	7.14		
22/02/25	464	1097	7.25	1688	164	4184	2218	44	334	8.83	390	13	6.98		
23/02/25	467	1094	7.32	1683	176	4510	2338	40	258	7.21	320	14	7.27		
24/02/25	503	1104	7.23	1699	160	4018	2181	42	210	7.92	333	19	7.20		
25/02/25	695	1258	7.76	1935	306	4178	2104	46	161	7.10	248	22	7.15		
26/02/25	518	1041	7.28	1602	340	4078	2187	10	183	7.20	282	23	7.42	C.P. Process	
27/02/25	472	1092	7.10	1681	190	450	135	35	512	6.71	788	18	7.53		
28/02/25	562	1102	7.24	1733	232	558	340	37	380	7.35	585	18	7.72		
							01/03/2025								
01/03/25	279	1131	7.19	1740	214	1022	637	06	185	7.43	285	26	7.76		
02/03/25	238	1046	7.18	1603	222	1833	1024	42	218	7.25	335	20	7.69		
03/03/25	531	1163	7.52	1790	190	2550	1411	50	167	8.14	257	15	7.44		
04/03/25	578	1159	7.01	1782	274	1764	1105	49	230	7.41	353	18	7.20		
05/03/25	519	1203	7.15	1850	472	2190	1262	45	163	7.50	250	18	6.96		
06/03/25	461	1137	7.21	1747	214	3115	1534	40	344	7.42	529	26	6.84		
07/03/25	460	1020	7.45	1567	184	2338	1192	43	230	8.15	355	22	7.20		
08/03/25	1188	1080	6.65	1661	170	2214	1194	42	526	7.51	309	25	7.15		
09/03/25	987	1045	7.45	1607	220	3612	1355	46	252	7.61	338	22	7.92		
10/03/25	559	965	7.45	1484	321	3933	2119	43	244	8.08	345	16	7.46		
11/03/25	91	338	7.26	521	360	4197	2319	48	173	7.11	267	16	7.03		
12/03/25	665	1176	7.42	1809	290	2276	1201	48	135	7.50	208	23	7.22		
13/03/25	470	1104	7.26	1699	284	2612	1270	36	350	7.26	539	18	7.56		
14/03/25	520	1039	7.11	1598	251	3564	1298	30	192	7.21	396	16	7.48		
15/03/25	466	1006	7.48	1548	194	2892	1476	38	253	8.10	392	14	7.31		
16/03/25	458	947	7.50	1458	140	3310	1810	48	420	7.40	650	22	7.20		

STP Logbook

Annexure-17

Flue Gas Stack Emission Monitoring Results

Sr.	Location	Parameter	Measuring Unit	Oct'24	Nov'24	Dec'24	Jan'25	Feb'25	Mar'25
1	DG Set 1 - 1010 KVA	PM	mg/Nm3	72.6	69.2	77.2	70.4	66.2	73.2
		SO2	ppm	5.8	6.6	5.8	6.6	5.8	6.6
		NOX	ppm	34.6	38.2	34.1	38.4	33.6	36.3
2	DG Set 2 - 1010 KVA	PM	mg/Nm3	69.2	71.6	80.4	76.6	70.4	68.6
		SO2	ppm	6	8.2	6.6	5.2	6.2	5.4
		NOX	ppm	38.1	33.9	39.4	35.6	38.4	39.2
3	DG Set 3- 650 KVA	PM	mg/Nm3	74.1	82.2	74.9	68.6	73.1	70.4
		SO2	ppm	7.2	5.8	6.2	7.6	6.6	5.6
		NOX	ppm	34.6	36.8	32.6	33.9	35.1	34.6
4	DG Set 4- 650 KVA	PM	mg/Nm3	79.1	74.9	84.2	78.2	68.9	77.2
		SO2	ppm	6.4	6.2	7.2	6.8	5.8	6.4
		NOX	ppm	34.6	32.1	30.6	34.2	37.2	38.2
5	DG Set 5- 1250 KVA	PM	mg/Nm3	71.6	77.6	70.8	68.6	72.3	69.3
		SO2	ppm	5.8	6.6	6.2	5.8	6.2	7.2
		NOX	ppm	34.2	39.1	38.4	35.2	33.9	34.7
6	DG Set 6 - 1010 KVA	PM	mg/Nm3	65.2	74.1	84.2	73.9	70.1	76.1
		SO2	ppm	5.8	5.4	6.8	6.2	5.6	5.8
		NOX	ppm	37.4	39.6	40.2	39.4	36.8	33.2
7	DG Set 7 - 1010 KVA	PM	mg/Nm3	74.6	78.2	81.1	82.4	76.4	70.4
		SO2	ppm	7.4	8.8	5.6	5.8	6.8	6.2
		NOX	ppm	35.2	38.4	35.6	38.6	39.1	35.1
8	DG Set 8 - 1010 KVA	PM	mg/Nm3	27.1	30.2	28.4	31.2	29.8	32.6
		SO2	ppm	5.4	6.2	6.6	6.6	5.8	6.8
		NOX	ppm	32.6	34.8	38.5	35.2	38.4	36.6
9	DG Set 9 - 1010 KVA	PM	mg/Nm3	83.2	73.1	78.1	75.8	77.2	79.1
		SO2	ppm	6.6	5.8	5.2	5.2	5.2	6.5
		NOX	ppm	37.1	41.2	34.2	36.4	37.2	38.4
10	DG Set 10 - 320 KVA	PM	mg/Nm3	67.3	Plant Shut down	73.6	80.4	70.4	80.6
		SO2	ppm	5.8		6.8	6.6	6	5.4
		NOX	ppm	36.4		39.2	35.1	33.6	32.1
11	DG Set 11 - 1500 KVA	PM	mg/Nm3	77.2	80.4	83.1	70.1	76.6	72.6
		SO2	ppm	6.8	6.6	6.6	7.8	5.2	6.6
		NOX	ppm	38.4	35.6	39.4	38.2	35.9	36.5

12	DG Set 12 - 1500 KVA	PM	mg/Nm3	76.2	71.2	80.6	82.4	77.4	71.5
		SO2	ppm	6.1	6.2	5.2	6.2	5.8	5.2
		NOX	ppm	38.4	34.2	37.2	35.6	37.6	34.1
13	Thermic Fluid Heater (40 Lac KCal/Hr)	PM	mg/Nm3	86.1	72.6	76.9	70.2	81.8	74.1
		SO2	ppm	71.4	78.1	68.2	80.2	60.8	51.6
		NOX	ppm	38.4	35.4	38.2	34.1	37.2	35.1
14	Thermic Fluid Heater (4 Lac KCal/Hr)	PM	mg/Nm3	BDL	BDL	BDL	Not in Operation	Not in Operation	BDL
		SO2	ppm	BDL	BDL	BDL			BDL
		NOX	ppm	26.4	28.4	21.9			18.6
15	Hot Air Generator	PM	mg/Nm3	27.1	32.1	24.6	20.4	27.2	32.1
		SO2	ppm	14.6	18.2	26.4	16.8	20.1	16.8
		NOX	ppm	35.2	38.1	33.2	32.8	37.4	34.2
16	DG Set 14 - 1500 KVA	PM	mg/Nm3	68.2	72.5	82.6	78.1	71.6	66.2
		SO2	ppm	6.4	6.6	5.8	6.2	5.8	6.4
		NOX	ppm	35.2	40.2	39.1	37.1	35.7	32.9
17	DG Set 15 - 1500 KVA	PM	mg/Nm3	78.7	65.2	77.4	70.4	73.9	78.4
		SO2	ppm	5.8	6.6	7.2	5.8	6.2	5.8
		NOX	ppm	39.1	42.2	38.4	35.2	37.6	35.8

*The above mentioned data is for existing facilities only. For remaining facilities, the unit shall comply with the condition after installation and obtaining CC&A amendment.



TEST REPORT
STACK MONITORING

ULR - TC153452500001215F			
Test Report No.	URA/25/02/AIL-J/S-011	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/011	Service Request Date.:	05/02/2025
Sample ID No.	URA/ID/S-25/02/011	Field Data Sheet No.:	URA/FDS/S-25/02/011
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	05/02/2025	Date of Testing	06/02/2025
Stack Sampling Attached to	DG Set 1 - 1010 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	129
6.	Exit Gas Velocity	m/s	13.6
7.	Exit Gas Flow	Nm ³ /h	1826.5

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	66.2	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	33.6	50	IS 11255 (Part 7)

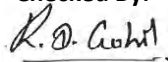
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

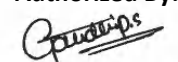
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001216F			
Test Report No.	URA/25/02/AIL-J/S-012	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/012	Service Request Date.:	05/02/2025
Sample ID No.	URA/ID/S-25/02/012	Field Data Sheet No.:	URA/FDS/S-25/02/012
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	05/02/2025	Date of Testing	06/02/2025
Stack Sampling Attached to	DG Set 2 - 1010 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	131
6.	Exit Gas Velocity	m/s	13.1
7.	Exit Gas Flow	Nm ³ /h	1752.2

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	70.4	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	38.4	50	IS 11255 (Part 7)

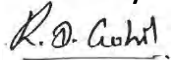
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001224F			
Test Report No.	URA/25/02/AIL-J/S-019	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/019	Service Request Date.:	06/02/2025
Sample ID No.	URA/ID/S-25/02/019	Field Data Sheet No.:	URA/FDS/S-25/02/019
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	06/02/2025	Date of Testing	07/02/2025
Stack Sampling Attached to	DG Set 3 - 650 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	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	12.4
7.	Exit Gas Flow	Nm ³ /h	1699.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	73.1	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.6	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	35.1	50	IS 11255 (Part 7)

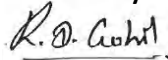
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001225F			
Test Report No.	URA/25/02/AIL-J/S-020	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/020	Service Request Date.:	06/02/2025
Sample ID No.	URA/ID/S-25/02/020	Field Data Sheet No.:	URA/FDS/S-25/02/020
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	06/02/2025	Date of Testing	07/02/2025
Stack Sampling Attached to	DG Set 4 - 650 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	128
6.	Exit Gas Velocity	m/s	12.6
7.	Exit Gas Flow	Nm ³ /h	1696.8

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	68.9	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.2	50	IS 11255 (Part 7)

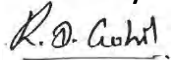
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001226F			
Test Report No.	URA/25/02/AIL-J/S-021	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/021	Service Request Date.:	06/02/2025
Sample ID No.	URA/ID/S-25/02/021	Field Data Sheet No.:	URA/FDS/S-25/02/021
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	06/02/2025	Date of Testing	07/02/2025
Stack Sampling Attached to	DG Set 5 - 1250 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	25
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	131
6.	Exit Gas Velocity	m/s	12.1
7.	Exit Gas Flow	Nm ³ /h	1618.5

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	72.3	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	33.9	50	IS 11255 (Part 7)

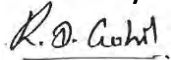
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001303F			
Test Report No.	URA/25/02/AIL-J/S-041	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/041	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/041	Field Data Sheet No.:	URA/FDS/S-25/02/041
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 6 - 1010 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	25
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	12.1
7.	Exit Gas Flow	Nm ³ /h	1643.7

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	70.1	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.6	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	36.8	50	IS 11255 (Part 7)

Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:

R. D. Gohil
Rajnish Gohil
(Chemist)

Authorized By:

Pooja Gandhi
Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001304F			
Test Report No.	URA/25/02/AIL-J/S-042	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/042	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/042	Field Data Sheet No.:	URA/FDS/S-25/02/042
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 7 - 1010 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	13.1
7.	Exit Gas Flow	Nm ³ /h	1791.3

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	76.4	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	39.1	50	IS 11255 (Part 7)

Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:

R. D. Gohil
Rajnish Gohil
(Chemist)

Authorized By:

Pooja Gandhi
Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001305F			
Test Report No.	URA/25/02/AIL-J/S-043	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/043	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/043	Field Data Sheet No.:	URA/FDS/S-25/02/043
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 8 - 1010 KVA		
Air Pollution Control Device	Carbon Cutter		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	12.6
7.	Exit Gas Flow	Nm ³ /h	1707.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	29.8	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	38.4	50	IS 11255 (Part 7)

Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:

R. D. Gohil
Rajnish Gohil
(Chemist)

Authorized By:

Pooja Gandhi
Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001306F			
Test Report No.	URA/25/02/AIL-J/S-044	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/044	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/044	Field Data Sheet No.:	URA/FDS/S-25/02/044
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 9 - 1010 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	132
6.	Exit Gas Velocity	m/s	12.1
7.	Exit Gas Flow	Nm ³ /h	1610.8

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	77.2	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.2	50	IS 11255 (Part 7)

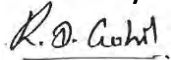
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001227F			
Test Report No.	URA/25/02/AIL-J/S-022	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/022	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/022	Field Data Sheet No.:	URA/FDS/S-25/02/022
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	DG Set 10 - 320 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	10
2.	Stack Diameter	mm	168
3.	Stack Area	m ²	0.0222
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	13.4
7.	Exit Gas Flow	Nm ³ /h	798.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	70.4	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.0	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	33.6	50	IS 11255 (Part 7)

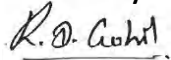
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001228F			
Test Report No.	URA/25/02/AIL-J/S-023	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/023	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/023	Field Data Sheet No.:	URA/FDS/S-25/02/023
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	DG Set 11 - 1500 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	12.8
7.	Exit Gas Flow	Nm ³ /h	1771.4

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	76.6	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	35.9	50	IS 11255 (Part 7)

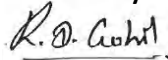
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001229F			
Test Report No.	URA/25/02/AIL-J/S-024	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/024	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/024	Field Data Sheet No.:	URA/FDS/S-25/02/024
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	DG Set 12 - 1500 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	12.1
7.	Exit Gas Flow	Nm ³ /h	1656.9

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	77.4	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.6	50	IS 11255 (Part 7)

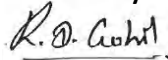
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001207F			
Test Report No.	URA/25/02/AIL-J/S-002	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/002	Service Request Date.:	04/02/2025
Sample ID No.	URA/ID/S-25/02/002	Field Data Sheet No.:	URA/FDS/S-25/02/002
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	04/02/2025	Date of Testing	05/02/2025
Stack Sampling Attached to	Thermic Fluid Heater (40 Lac KCal/Hr)		
Air Pollution Control Device	Bag Filter		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	30
2.	Stack Diameter	mm	1350
3.	Stack Area	m ²	1.4320
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	149
6.	Exit Gas Velocity	m/s	10.4
7.	Exit Gas Flow	Nm ³ /h	37586.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	81.8	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	60.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.2	50	IS 11255 (Part 7)

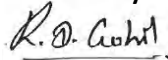
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001217F			
Test Report No.	URA/25/02/AIL-J/S-013	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/013	Service Request Date.:	05/02/2025
Sample ID No.	URA/ID/S-25/02/013	Field Data Sheet No.:	URA/FDS/S-25/02/013
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	05/02/2025	Date of Testing	06/02/2025
Stack Sampling Attached to	Hot Air Generator		
Air Pollution Control Device	Cyclone Sperator, Bag Filter & Water/Dry Scrubber		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	33
2.	Stack Diameter	mm	1000
3.	Stack Area	m ²	0.7857
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	78
6.	Exit Gas Velocity	m/s	12.8
7.	Exit Gas Flow	Nm ³ /h	30523.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	27.2	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	20.1	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.4	50	IS 11255 (Part 7)

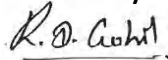
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001307F			
Test Report No.	URA/25/02/AIL-J/S-045	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/045	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/045	Field Data Sheet No.:	URA/FDS/S-25/02/045
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 14 - 1500 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	12.9
7.	Exit Gas Flow	Nm ³ /h	1752.3

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	71.6	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	35.7	50	IS 11255 (Part 7)

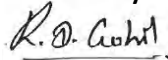
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001308F			
Test Report No.	URA/25/02/AIL-J/S-046	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/046	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/046	Field Data Sheet No.:	URA/FDS/S-25/02/046
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 15 - 1500 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	130
6.	Exit Gas Velocity	m/s	12.6
7.	Exit Gas Flow	Nm ³ /h	1684.3

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	73.9	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.6	50	IS 11255 (Part 7)

Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:

R. D. Gohil
Rajnish Gohil
(Chemist)

Authorized By:

Pooja Gandhi
Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001209F			
Test Report No.	URA/25/02/AIL-J/S-004	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/004	Service Request Date.:	04/02/2025
Sample ID No.	URA/ID/S-25/02/004	Field Data Sheet No.:	URA/FDS/S-25/02/004
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	04/02/2025	Date of Testing	05/02/2025
Stack Sampling Attached to	CaCO₃ Reactor (CaCl₂ Plant)		
Air Pollution Control Device	Alkali Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	23
2.	Stack Diameter	mm	200
3.	Stack Area	m ²	0.0314
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	33
6.	Exit Gas Velocity	m/s	3.2
7.	Exit Gas Flow	Nm ³ /h	372.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	3.2	50	IS 11255 (Part 1)
2.	Hydrochloric Acid (HCl)	mg/Nm ³	4.8	20	UURL/AIR/SOP/07

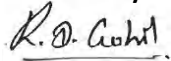
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001210F			
Test Report No.	URA/25/02/AIL-J/S-005	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/005	Service Request Date.:	04/02/2025
Sample ID No.	URA/ID/S-25/02/005	Field Data Sheet No.:	URA/FDS/S-25/02/005
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	04/02/2025	Date of Testing	05/02/2025
Stack Sampling Attached to	CaCl₂ Dryer Vent (CaCl₂ Plant)		
Air Pollution Control Device	Wet Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	20
2.	Stack Diameter	mm	1900
3.	Stack Area	m ²	2.8364
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	68
6.	Exit Gas Velocity	m/s	11.4
7.	Exit Gas Flow	Nm ³ /h	94759.9

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	94.2	150	IS 11255 (Part 1)

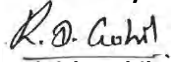
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001294F			
Test Report No.	URA/25/02/AIL-J/S-036	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/036	Service Request Date.:	08/02/2025
Sample ID No.	URA/ID/S-25/02/036	Field Data Sheet No.:	URA/FDS/S-25/02/036
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	08/02/2025	Date of Testing	10/02/2025
Stack Sampling Attached to	Chlorination Reactor Vent		
Air Pollution Control Device	Falling Film Absorber followed by Alkali Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	30
2.	Stack Diameter	mm	200
3.	Stack Area	m ²	0.0314
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	33
6.	Exit Gas Velocity	m/s	3.8
7.	Exit Gas Flow	Nm ³ /h	415.5

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Chlorine as Cl ₂	mg/Nm ³	BDL	9	SA EPA Method
2.	Hydrochloric Acid (HCl)	mg/Nm ³	3.9	20	UURL/AIR/SOP/07

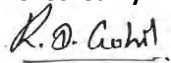
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001296F			
Test Report No.	URA/25/02/AIL-J/S-038	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/038	Service Request Date.:	08/02/2025
Sample ID No.	URA/ID/S-25/02/038	Field Data Sheet No.:	URA/FDS/S-25/02/038
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	08/02/2025	Date of Testing	10/02/2025
Stack Sampling Attached to	CLB-Cl₂ Scrubber (Storage/Pipeline)		
Air Pollution Control Device	Caustic Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	18
2.	Stack Diameter	mm	250
3.	Stack Area	m ²	0.0491
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	33
6.	Exit Gas Velocity	m/s	4.3
7.	Exit Gas Flow	Nm ³ /h	735.2

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Chlorine as Cl ₂	mg/Nm ³	BDL ((MDL:1.0)	9	SA EPA Method

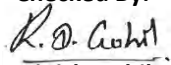
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

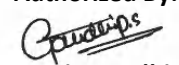
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001295F			
Test Report No.	URA/25/02/AIL-J/S-037	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/037	Service Request Date.:	08/02/2025
Sample ID No.	URA/ID/S-25/02/037	Field Data Sheet No.:	URA/FDS/S-25/02/037
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	08/02/2025	Date of Testing	10/02/2025
Stack Sampling Attached to	CLB-HCL Scrubber (Storage)		
Air Pollution Control Device	HCI Absorber followed by Caustic Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	15
2.	Stack Diameter	mm	750
3.	Stack Area	m ²	0.4420
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	32
6.	Exit Gas Velocity	m/s	3.8
7.	Exit Gas Flow	Nm ³ /h	5119.7

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	mg/Nm ³	BDL	20	UURL/AIR/SOP/07

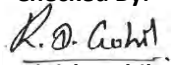
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

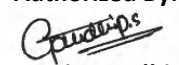
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001208F			
Test Report No.	URA/25/02/AIL-J/S-003	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/003	Service Request Date.:	04/02/2025
Sample ID No.	URA/ID/S-25/02/003	Field Data Sheet No.:	URA/FDS/S-25/02/003
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	04/02/2025	Date of Testing	05/02/2025
Stack Sampling Attached to	HCl Scrubber (Storage)		
Air Pollution Control Device	Caustic Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	23
2.	Stack Diameter	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	33
6.	Exit Gas Velocity	m/s	4.2
7.	Exit Gas Flow	Nm ³ /h	103.7

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	mg/Nm ³	14.8	20	UURL/AIR/SOP/07

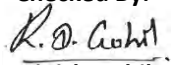
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

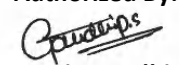
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001230F			
Test Report No.	URA/25/02/AIL-J/S-025	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/025	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/025	Field Data Sheet No.:	URA/FDS/S-25/02/025
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	DAPBI Process (Alkali Scrubber)		
Air Pollution Control Device	Water Scrubber followed by Alkali Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	15
2.	Stack Diameter	mm	152
3.	Stack Area	m ²	0.0182
4.	Ambient Temperature	°C	34
5.	Flue Gas Temperature	°C	35
6.	Exit Gas Velocity	m/s	4.2
7.	Exit Gas Flow	Nm ³ /h	265.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	mg/Nm ³	3.9	20	UURL/AIR/SOP/07
2.	Chlorine as Cl ₂	mg/Nm ³	BDL	9	SA EPA Method

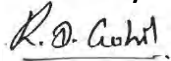
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001231F			
Test Report No.	URA/25/02/AIL-J/S-026	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/026	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/026	Field Data Sheet No.:	URA/FDS/S-25/02/026
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	DAPBI Process (Acidic Scrubber)		
Air Pollution Control Device	Acidic Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	15
2.	Stack Diameter	mm	152
3.	Stack Area	m ²	0.0182
4.	Ambient Temperature	°C	34
5.	Flue Gas Temperature	°C	35
6.	Exit Gas Velocity	m/s	3.9
7.	Exit Gas Flow	Nm ³ /h	246.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Ammonia as NH ₃	mg/Nm ³	6.4	175	IS: 11255 (Part-6)

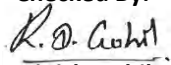
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

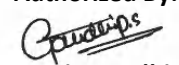
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001232F			
Test Report No.	URA/25/02/AIL-J/S-027	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/027	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/027	Field Data Sheet No.:	URA/FDS/S-25/02/027
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	ETP Scrubber		
Air Pollution Control Device	Acidic Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	15
2.	Stack Diameter	mm	500
3.	Stack Area	m ²	0.1964
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	35
6.	Exit Gas Velocity	m/s	4.0
7.	Exit Gas Flow	Nm ³ /h	2724.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Ammonia as NH ₃	mg/Nm ³	7.2	175	IS: 11255 (Part-6)

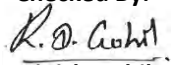
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

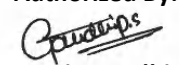
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
STACK MONITORING

ULR - TC153452500001233F			
Test Report No.	URA/25/02/AIL-J/S-028	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/028	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/028	Field Data Sheet No.:	URA/FDS/S-25/02/028
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	Scrubber connected to Nitration Reactors		
Air Pollution Control Device	--		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	29
2.	Stack Diameter	mm	76
3.	Stack Area	m ²	0.0046
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	33
6.	Exit Gas Velocity	m/s	3.7
7.	Exit Gas Flow	Nm ³ /h	59.4

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Oxide of Nitrogen	ppm	8.8	50	IS 11255 (Part 7)

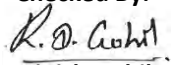
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

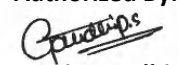
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

Annexure-19

Process Gas Stack Emission Monitoring Results

Sr. No	Stack Attached to	Parameter	Measuring Unit	Oct'24	Nov'24	Dec'24	Jan'25	Feb'25	Mar'25
1	HCl Scrubber (Storage)	HCl	mg/Nm3	8.2	11.2	10.2	6.6	14.8	10.1
2	CaCO3 Reactor (CaCl2 plant)	HCL	mg/Nm3	14.1	12.8	8.5	8.9	4.8	18.2
3	Reformer (Hydrogen)	CO	mg/Nm3	Plant Shut Down	Plant Shut Down	Plant Shut Down	Plant Shut Down	Plant Shut Down	Plant Shut Down
4	Chlorinator Reactor Vent	HCL	mg/Nm3	3.4	4.2	3.8	4.1	3.9	4.2
		Chlorine	mg/Nm3	BDL	BDL	BDL	BDL	BDL	BDL
5	CLB-HCL Scrubber (Storage)	HCL	mg/Nm3	BDL	BDL	BDL	8.2	BDL	8.2
6	CLB-Cl2 Scrubber (Storage/Pipeline)	Cl2	mg/Nm3	BDL	BDL	BDL	BDL	BDL	BDL
7	CLB - PDCB Scrubber (Storage)	VOC	ppm	8.2	12.2	8.6	10.4	8.8	10.1
8	TCB Scrubber	HCL	mg/Nm3	3.7	4.4	Plant Shut Down	3.8	Plant Shut Down	5.2
		Cl2	mg/Nm3	BDL	BDL		BDL		BDL
9	TCB ODCB Scrubber (Storage)	VOC	ppm	4.2	3.1	Plant Shut down	4.4	Plant Shut Down	12.1
10	Group IB: Chlorination Products and its Derivatives Scrubber	HCl	mg/Nm3	1.7	Plant Shut down	Plant Shut down	3.2	Plant Shut Down	2.7
		Cl2	mg/Nm3	BDL			BDL		BDL
11	DAPBI Process (Alkali Scrubber)	HCl	mg/Nm3	4	3.9	4.2	3.1	3.9	4.3
		Cl2	mg/Nm3	BDL	BDL	BDL	BDL	BDL	BDL
12	DAPBI Process (Acidic Scrubber)	NH3	mg/Nm3	30.4	22.6	10.1	8.8	6.4	18.8
13	ETP Scrubber	NH3	mg/Nm3	18.6	24.2	8.6	8.2	7.2	8.1
14	Scrubber connected to Nitration Reactors	NOx	ppm	16.2	12.1	12.6	BDL	8.8	14.2
15	CaCl2 Dryer vent (CaCl2 plant)	PM	mg/Nm3	86.4	92.4	116.4	88.3	94.2	80.4

Annexure-20**Details of Spent Hydrochloric Acid Management:**

Sr No	Name of Hazardous Waste & Category	CCA applied Quantity (MT/Annum)	Mode of Disposal	End-Users Name	Address	MOU/ Utilization Quantity (MT/Annum)	End User CCA details
1	Hydrochloric Acid (B15 of Schedule-II)	196265	Reception, storage and consumption in inhouse CaCl₂ plant	Aarti Industries Limited (XGN ID: 35534)	Internal consumption within same premises	148097	AWH-138793 Issued on 06.02.2025 Valid upto: 30.04.2029
2			Generation, Collection, storage, Transportation, and selling out to authorized users who are having authorization with valid CCA and rule 9 permission to receive this waste.	Aarti Industries Limited (Acid Division)	Plot No. 802, 803, 804/3, Phase-III, GIDC Industrial Estate, Vapi - 396195, Dist.: Valsad, Gujarat.	68400	AWH-137111 Issued on: 19.09.2024 Valid upto: 30.06.2031
3				Aarti Industries Limited (Alchemie Organics Division)	Plot No. 902, Phase-III, GIDC Industrial Estate, Vapi - 396195, Dist.: Valsad, Gujarat.	15000	AWH-123323 Issue on: 19.12.2022 Valid Upto 30.09.2029
4				Vasu Industries	Plot No. 503, 504, Bamanbore GIDC, Taluka Chotila, Dist. Surendranagar-363001, Gujarat.	18000	AWH - 122524 Issue on: 12.11.2022 Valid Upto 08.10.2027

5				Brions Bioscience	Plot No. 311, Bamanbore GIDC Rajkot, Taluka Chotila, Dist. Surendranagar-360023, Gujarat.	12000	AWH - 127071 Issue on: 20.06.2023 Valid Upto 11.05.2028 CCA No-H-131273 Issue on: 05.01.2024 Valid Upto 11.05.2028
6				Aarti Industries Limited (Anushakti Division)	Plot No. 1430/1, N.H. No. 8A, Bhachau-370140, Tal: Bhachau, Dist. Kutch, Gujarat	90000	AWH-139723 Issued on: 16.01.2025 Valid upto 31.12.2031
7				Shreyas Industries	Survey No. 202/4, Opp. Power Station, Golana Khambhat Road, Vill. Sokhada, Tal. Khambhat, Dist. Anand Gujarat- 388620	6000	AWH-122304 Issued on 28.20.2022 Valid upto 30.06.2027
8				Shiv Chemicals	45 A, Road No. 3, Madri Industrial Area, Madri, Tehsil: Girwa, District: Udaipur, Rajasthan	12000	File No: F(Tech)/Udaipur(Girwa) /6970(1)/2022-2023/73 3-734 Order No : 2023-2024/Udaipur/977 4
10				Gharda Chemical Limited	Plot D-1/2, B-1/7, MIDC Lote Pershuram, Taluka - Khed, Dist: Ratnagiri, Maharashtra - 415722.	18000	Format 1.0/CAC/UAN No. 0000092566/CR-200900 0532 Issued on: 09.09.2022 Valid upto 31.07.2025
11				Joyas Agro Chem	Plot/Survey No.1659, Village: Kanoda -384212	6000	GPCB/CCA-MH-1411/ID- 87194/760941 Issued on 13.12.2023 Valid upto 31.12.2027

					Tal: Becharaji, Dist. Mehsana, Gujarat		
12				Palsai Industries Private Limited	Gut No 426/1, Patlipada, Palsai, Tal:- Wada, Dist:- Palghar, Maharashtra.	18000	Format 1.0/RO(BMW) /UAN No.MPCB- CONSENT-0000196066/ CO/2405001336 Issued on 15.05.2024 Valid upto 30.04.2029
13				ACS Industries	Plot No. 2702, GIDC ESTATE PANOLI, DIST-BHARUCH, GUJARAT	5000	AWH-136719 Issued on 21.08.2024 Valid upto 15.04.2029
A	Total MoU Quantity for External utilization by end-users under Rule-9 (MT/Annum)					268400	-
B	Total Internal utilization for manufacturing of CaCl ₂ (MT/Annum)					148097	-
	Grand Total (A+B) in MT/Annum					416497	-

Annexure-21

CSR/CER Activities from Oct'24 to Mar'25						
Sr No.	Plant Location	Name of Associated NGO	Nature of Work	Expended Amount (INR)	Beneficiary Students / Peoples	Impact on People's Life
1	AIL Jhagadia	Farmbridge	Farmer's Awareness & Training	400000	500 Farmers per Month 6000 Farmers per year for a period of 3 years	1. Increase in Farmer's Income 2. Decrease in Input Cost 3. Climate Change Adoption in Agriculture 4. Soil Health Improvement
2	AIL Jhagadia	Gram Vikas Trust	Vidhya Sathi Project at 69 Govt. schools of Bharuch district Total 78 teachers & 3 project co-ordinators	3400000	Students of 69 Gov. Schools	To enhance double student level in Education to Govt. Schools
3	AIL Jhagadia	Gram Vikas Trust	Aarti Play School (Hindi Medium)	600000	For education of 4 to 6 year child (70 Students)	To get the beneficiary to migrated workers family & motivate their children for education
4	AIL Jhagadia	CSE, Delhi	Environmental awareness among the school children and faculty members of the beneficiary institutions	1000000	libraries of 500 educational institutions in Bharuch, Valsad, Vadodara & Kutch districts of Gujarat State	for promoting environmental awareness among the school children and faculty members of the beneficiary institutions
5	AIL Jhagadia	Avika Bags	Blood Donation Camp	165000	363	Nobal Cause
6	AIL Jhagadia	Sadbhavna Seva Foundation	Tree Plantation 1000 nos under CMO's guidance by Sadbhavna Foundation at GIDC Area, Jhagadia	1000000	Protect Environment Surrounding Area	Protect Environment
7	AIL Jhagadia	Paryavaran Foundation	Social and educational assistance to the surrounding villages of Jhagadia Taluka	960000	For Educational & Infra Development of Surrounding villages of Jhagadia GIDC	Social and educational assistance to the surrounding villages of Jhagadia Taluka.
Total				7525000		

Annexure-22

Ambient Noise Monitoring Results

Location No.	Location	Permissible Limit		Oct'24		Nov'24		Dec'24		Jan-25		Feb-25		Mar-25	
		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
1	Near PDA Gate	75 dB(A)	70dB(A)	61.3	58.0	61.2	57.6	62.0	58.6	60.7	57.5	61.4	58.3	60.8	57.6
2	New PDA Cooling Tower			70.3	67.4	70.0	66.9	71.0	68.2	69.8	66.8	70.5	67.6	70.0	67.0
3	Near 40 LacKcal/Hr TFH Area			68.0	65.3	67.1	64.5	68.0	65.7	67.3	64.8	67.6	64.9	67.3	64.4
4	Near CaCl ₂ Granulation Plant			67.8	64.4	67.6	64.0	67.8	65.1	67.4	63.9	67.9	64.8	67.2	64.1
5	Near CaCl ₂ material gate			65.8	62.7	65.1	62.3	65.7	62.5	65.2	62.5	65.6	62.8	65.1	62.3
6	Near CaCl ₂ STP			68.6	65.1	67.8	64.4	69.0	65.2	68.2	64.4	68.6	65.3	68.3	64.8
7	H ₂ G plant Main Gate			67.6	65.0	66.7	64.7	67.2	64.8	66.9	64.5	67.3	65.0	66.9	64.6
8	Near CLB Cooling Tower			73.6	68.4	73.3	69.2	72.1	68.9	73.7	69.0	74.0	68.8	73.9	67.9
9	Near TCAN Plant Tank Farm			61.7	59.1	61.6	58.9	61.8	58.9	61.2	58.4	62.0	59.3	61.6	58.8
10	Near CLB STP			60.2	57.0	59.8	56.6	60.1	57.4	60.0	56.6	60.2	57.2	60.0	56.6
11	Near 25 DCNB weighbridge			59.3	56.1	58.7	55.5	59.9	56.0	58.7	55.7	59.2	56.4	59.0	55.8
12	Near 25 DCNB material Gate 2			60.7	57.4	60.2	56.8	61.5	58.0	60.1	56.9	60.7	57.7	60.4	57.0
13	Near Endaca Admin building			61.6	58.8	61.1	58.1	62.1	58.5	61.2	57.9	61.5	58.5	61.3	58.1
14	Near GOLD gate			60.5	57.5	60.4	56.7	60.5	57.2	60.4	56.8	60.9	57.5	60.3	57.0
15	Near GOLD warehouse			60.4	58.0	59.9	57.4	60.3	58.2	59.9	57.5	60.4	58.1	59.7	57.3



TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

ULR - TC153452500001300F			
Test Report No.:	URA/25/02/AIL-J/AN-002	Date Of Report:	04/03/2025
Name & Add. of Industries	M/s. AARTI INDUSTRIES LIMITED, PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Sampling Method	IS : 9989 : 1981		

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2025	01/02/2026

Date and Time of Monitoring : 04 & 07/02/2025

Result

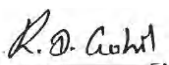
DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time (6:00 – 22:00)	Night Time (22:00 – 6:00)	Day Time	Night Time
1.	Near PDA Gate	61.4	58.3	75 dB (A)	70 dB (A)
2.	Nr. PDA Cooling Tower	70.5	67.6	75 dB (A)	70 dB (A)
3.	Near 40 LackCal/Hr TFH Area	67.6	64.9	75 dB (A)	70 dB (A)
4.	Near CaCL ₂ Granulation Plant	67.9	64.8	75 dB (A)	70 dB (A)
5.	Near CaCl ₂ Material Gate	65.6	62.8	75 dB (A)	70 dB (A)
6.	Near CaCl ₂ STP Plant	68.6	65.3	75 dB (A)	70 dB (A)
7.	H ₂ G Plant Main Gate	67.3	65.0	75 dB (A)	70 dB (A)
8.	Near CLB Cooling Tower	74.0	68.8	75 dB (A)	70 dB (A)
9.	Near TCAN Plant Tank Farm	62.0	59.3	75 dB (A)	70 dB (A)
10.	Near CLB STP	60.2	57.2	75 dB (A)	70 dB (A)

Remarks:

Opinion & Interpretation (if required):

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

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
AMBIENT NOISE LEVEL MONITORING REPORT

ULR - TC153452500001300F			
Test Report No.:	URA/25/02/AIL-J/AN-002	Date Of Report:	04/03/2025
Name & Add. of Industries	M/s. AARTI INDUSTRIES LIMITED, PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Sampling Method	IS : 9989 : 1981		

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2025	01/02/2026

Date and Time of Monitoring : 04 & 07/02/2025

Result

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time (6:00 – 22:00)	Night Time (22:00 – 6:00)	Day Time	Night Time
11.	Near 2,5 DCNB Weighbridge	59.2	56.4	75 dB (A)	70 dB (A)
12.	Near 2,5 DCNB Material Gate 2	60.7	57.7	75 dB (A)	70 dB (A)
13.	Near Endaca Admin Building	61.5	58.5	75 dB (A)	70 dB (A)
14.	Near GOLD Gate	60.9	57.5	75 dB (A)	70 dB (A)
15.	Near GOLD Warehouse	60.4	58.1	75 dB (A)	70 dB (A)

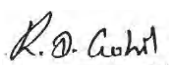
Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

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

Remarks:
Opinion & Interpretation (if required):

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

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
WORKPLACE NOISE LEVEL MONITORING REPORT

ULR - TC153452500001302F			
Test Report No.:	URA/25/02/AIL-J/WN-002	Date Of Report:	04/03/2025
Name & Add. of Industries	M/s. AARTI INDUSTRIES LIMITED, PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Sampling Method	IS : 4758 : 1968		

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2025	01/02/2026

Date and Time of Monitoring : 07/02/2025

Result

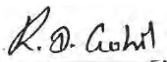
DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION	
Sr. No.	Location	Noise Level dB(A)	Permissible Limit TWA (8 hrs.)
1.	D.G Set (New PDA Plant)	64.6	85 dB (A)
2.	D.G Set (Hydrogen Generation Plant)	73.4	85 dB (A)
3.	Hydrogen Storage Area	71.0	85 dB (A)
4.	Near FBD (CaCl ₂ Plant)	67.5	85 dB (A)
5.	Reaction Section (CaCl ₂ Plant)	66.3	85 dB (A)
6.	ID Fan (THF Plant)	62.1	85 dB (A)
7.	Coal Conveyer Belt (TFH Plant)	64.9	85 dB (A)
8.	D.G Set (CLB Plant)	72.0	85 dB (A)
9.	Hydrogen Compressor	68.7	85 dB (A)
10.	Vaccum Pump (SEE Plant)	63.2	85 dB (A)

TWA: Time Weighted Average.

Remarks:
Opinion & Interpretation (if required):

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

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT

WORKPLACE NOISE LEVEL MONITORING REPORT

ULR - TC153452500001302F			
Test Report No.:	URA/25/02/AIL-J/WN-002	Date Of Report:	04/03/2025
Name & Add. of Industries	M/s. AARTI INDUSTRIES LIMITED, PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Sampling Method	IS : 4758 : 1968		

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

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	02/02/2025	01/02/2026

Date and Time of Monitoring : 07/02/2025

Result

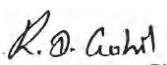
DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION	
Sr. No.	Location	Noise Level dB(A)	Permissible Limit TWA (8 hrs.)
11.	Chlorinator	67.6	85 dB(A)
12.	4 LackCal/Hr (TFH Plant in CLB)	61.8	85 dB(A)
13.	Ground Floor (TCAN Plant)	58.0	85 dB(A)
14.	Utility Building (TCAN Plant)	61.3	85 dB(A)
15.	Tank Farm (TCAN Plant)	58.9	85 dB(A)

TWA: Time Weighted Average.

Remarks:
Opinion & Interpretation (if required):

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

Checked By:



Rajnish Gohil
(Chemist)

Authorized By:



Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001215F			
Test Report No.	URA/25/02/AIL-J/S-011	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/011	Service Request Date.:	05/02/2025
Sample ID No.	URA/ID/S-25/02/011	Field Data Sheet No.:	URA/FDS/S-25/02/011
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	05/02/2025	Date of Testing	06/02/2025
Stack Sampling Attached to	DG Set 1 - 1010 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	129
6.	Exit Gas Velocity	m/s	13.6
7.	Exit Gas Flow	Nm ³ /h	1826.5

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	66.2	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	33.6	50	IS 11255 (Part 7)

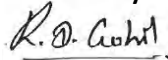
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001216F			
Test Report No.	URA/25/02/AIL-J/S-012	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/012	Service Request Date.:	05/02/2025
Sample ID No.	URA/ID/S-25/02/012	Field Data Sheet No.:	URA/FDS/S-25/02/012
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	05/02/2025	Date of Testing	06/02/2025
Stack Sampling Attached to	DG Set 2 - 1010 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	131
6.	Exit Gas Velocity	m/s	13.1
7.	Exit Gas Flow	Nm ³ /h	1752.2

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	70.4	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	38.4	50	IS 11255 (Part 7)

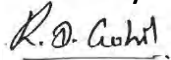
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001224F			
Test Report No.	URA/25/02/AIL-J/S-019	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/019	Service Request Date.:	06/02/2025
Sample ID No.	URA/ID/S-25/02/019	Field Data Sheet No.:	URA/FDS/S-25/02/019
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	06/02/2025	Date of Testing	07/02/2025
Stack Sampling Attached to	DG Set 3 - 650 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	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	12.4
7.	Exit Gas Flow	Nm ³ /h	1699.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	73.1	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.6	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	35.1	50	IS 11255 (Part 7)

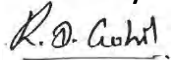
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001225F			
Test Report No.	URA/25/02/AIL-J/S-020	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/020	Service Request Date.:	06/02/2025
Sample ID No.	URA/ID/S-25/02/020	Field Data Sheet No.:	URA/FDS/S-25/02/020
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	06/02/2025	Date of Testing	07/02/2025
Stack Sampling Attached to	DG Set 4 - 650 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	128
6.	Exit Gas Velocity	m/s	12.6
7.	Exit Gas Flow	Nm ³ /h	1696.8

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	68.9	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.2	50	IS 11255 (Part 7)

Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:

R. D. Gohil
Rajnish Gohil
(Chemist)

Authorized By:

Pooja Gandhi
Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001226F			
Test Report No.	URA/25/02/AIL-J/S-021	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/021	Service Request Date.:	06/02/2025
Sample ID No.	URA/ID/S-25/02/021	Field Data Sheet No.:	URA/FDS/S-25/02/021
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	06/02/2025	Date of Testing	07/02/2025
Stack Sampling Attached to	DG Set 5 - 1250 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	25
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	131
6.	Exit Gas Velocity	m/s	12.1
7.	Exit Gas Flow	Nm ³ /h	1618.5

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	72.3	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	33.9	50	IS 11255 (Part 7)

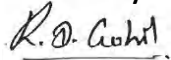
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001303F			
Test Report No.	URA/25/02/AIL-J/S-041	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/041	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/041	Field Data Sheet No.:	URA/FDS/S-25/02/041
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 6 - 1010 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	25
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	12.1
7.	Exit Gas Flow	Nm ³ /h	1643.7

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	70.1	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.6	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	36.8	50	IS 11255 (Part 7)

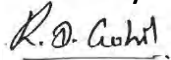
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001304F			
Test Report No.	URA/25/02/AIL-J/S-042	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/042	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/042	Field Data Sheet No.:	URA/FDS/S-25/02/042
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 7 - 1010 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	13.1
7.	Exit Gas Flow	Nm ³ /h	1791.3

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	76.4	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	39.1	50	IS 11255 (Part 7)

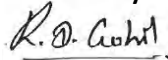
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001305F			
Test Report No.	URA/25/02/AIL-J/S-043	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/043	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/043	Field Data Sheet No.:	URA/FDS/S-25/02/043
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 8 - 1010 KVA		
Air Pollution Control Device	Carbon Cutter		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	12.6
7.	Exit Gas Flow	Nm ³ /h	1707.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	29.8	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	38.4	50	IS 11255 (Part 7)

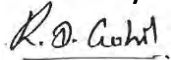
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001306F			
Test Report No.	URA/25/02/AIL-J/S-044	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/044	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/044	Field Data Sheet No.:	URA/FDS/S-25/02/044
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 9 - 1010 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	132
6.	Exit Gas Velocity	m/s	12.1
7.	Exit Gas Flow	Nm ³ /h	1610.8

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	77.2	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.2	50	IS 11255 (Part 7)

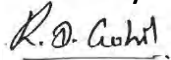
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001227F			
Test Report No.	URA/25/02/AIL-J/S-022	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/022	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/022	Field Data Sheet No.:	URA/FDS/S-25/02/022
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	DG Set 10 - 320 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	10
2.	Stack Diameter	mm	168
3.	Stack Area	m ²	0.0222
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	13.4
7.	Exit Gas Flow	Nm ³ /h	798.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	70.4	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.0	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	33.6	50	IS 11255 (Part 7)

Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:

R. D. Gohil
Rajnish Gohil
(Chemist)

Authorized By:

Pooja Gandhi
Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001228F			
Test Report No.	URA/25/02/AIL-J/S-023	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/023	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/023	Field Data Sheet No.:	URA/FDS/S-25/02/023
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	DG Set 11 - 1500 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	12.8
7.	Exit Gas Flow	Nm ³ /h	1771.4

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	76.6	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	35.9	50	IS 11255 (Part 7)

Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:

R. D. Gohil
Rajnish Gohil
(Chemist)

Authorized By:

Pooja Gandhi
Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001229F			
Test Report No.	URA/25/02/AIL-J/S-024	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/024	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/024	Field Data Sheet No.:	URA/FDS/S-25/02/024
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	DG Set 12 - 1500 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	12.1
7.	Exit Gas Flow	Nm ³ /h	1656.9

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	77.4	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.6	50	IS 11255 (Part 7)

Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:

R. D. Gohil
Rajnish Gohil
(Chemist)

Authorized By:

Pooja Gandhi
Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001207F			
Test Report No.	URA/25/02/AIL-J/S-002	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/002	Service Request Date.:	04/02/2025
Sample ID No.	URA/ID/S-25/02/002	Field Data Sheet No.:	URA/FDS/S-25/02/002
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	04/02/2025	Date of Testing	05/02/2025
Stack Sampling Attached to	Thermic Fluid Heater (40 Lac KCal/Hr)		
Air Pollution Control Device	Bag Filter		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	30
2.	Stack Diameter	mm	1350
3.	Stack Area	m ²	1.4320
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	149
6.	Exit Gas Velocity	m/s	10.4
7.	Exit Gas Flow	Nm ³ /h	37586.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	81.8	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	60.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.2	50	IS 11255 (Part 7)

Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:

R. D. Gohil
Rajnish Gohil
(Chemist)

Authorized By:

Pooja Gandhi
Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001217F			
Test Report No.	URA/25/02/AIL-J/S-013	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/013	Service Request Date.:	05/02/2025
Sample ID No.	URA/ID/S-25/02/013	Field Data Sheet No.:	URA/FDS/S-25/02/013
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	05/02/2025	Date of Testing	06/02/2025
Stack Sampling Attached to	Hot Air Generator		
Air Pollution Control Device	Cyclone Sperator, Bag Filter & Water/Dry Scrubber		
Fuel Used	Coal		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	33
2.	Stack Diameter	mm	1000
3.	Stack Area	m ²	0.7857
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	78
6.	Exit Gas Velocity	m/s	12.8
7.	Exit Gas Flow	Nm ³ /h	30523.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	27.2	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	20.1	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.4	50	IS 11255 (Part 7)

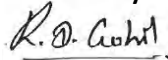
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001307F			
Test Report No.	URA/25/02/AIL-J/S-045	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/045	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/045	Field Data Sheet No.:	URA/FDS/S-25/02/045
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 14 - 1500 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	12.9
7.	Exit Gas Flow	Nm ³ /h	1752.3

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	71.6	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	5.8	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	35.7	50	IS 11255 (Part 7)

Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:

R. D. Gohil
Rajnish Gohil
(Chemist)

Authorized By:

Pooja Gandhi
Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001308F			
Test Report No.	URA/25/02/AIL-J/S-046	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/046	Service Request Date.:	19/02/2025
Sample ID No.	URA/ID/S-25/02/046	Field Data Sheet No.:	URA/FDS/S-25/02/046
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	19/02/2025	Date of Testing	20/02/2025
Stack Sampling Attached to	DG Set 15 - 1500 KVA		
Air Pollution Control Device	--		
Fuel Used	HSD		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	11
2.	Stack Diameter	mm	254
3.	Stack Area	m ²	0.0507
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	130
6.	Exit Gas Velocity	m/s	12.6
7.	Exit Gas Flow	Nm ³ /h	1684.3

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	73.9	150	IS 11255 (Part 1)
2.	Sulphur Dioxide	ppm	6.2	100	IS 11255 (Part 2)
3.	Oxide of Nitrogen	ppm	37.6	50	IS 11255 (Part 7)

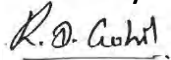
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001209F			
Test Report No.	URA/25/02/AIL-J/S-004	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/004	Service Request Date.:	04/02/2025
Sample ID No.	URA/ID/S-25/02/004	Field Data Sheet No.:	URA/FDS/S-25/02/004
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	04/02/2025	Date of Testing	05/02/2025
Stack Sampling Attached to	CaCO₃ Reactor (CaCl₂ Plant)		
Air Pollution Control Device	Alkali Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	23
2.	Stack Diameter	mm	200
3.	Stack Area	m ²	0.0314
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	33
6.	Exit Gas Velocity	m/s	3.2
7.	Exit Gas Flow	Nm ³ /h	372.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	3.2	50	IS 11255 (Part 1)
2.	Hydrochloric Acid (HCl)	mg/Nm ³	4.8	20	UURL/AIR/SOP/07

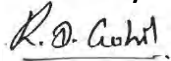
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001210F			
Test Report No.	URA/25/02/AIL-J/S-005	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/005	Service Request Date.:	04/02/2025
Sample ID No.	URA/ID/S-25/02/005	Field Data Sheet No.:	URA/FDS/S-25/02/005
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	04/02/2025	Date of Testing	05/02/2025
Stack Sampling Attached to	CaCl₂ Dryer Vent (CaCl₂ Plant)		
Air Pollution Control Device	Wet Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	20
2.	Stack Diameter	mm	1900
3.	Stack Area	m ²	2.8364
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	68
6.	Exit Gas Velocity	m/s	11.4
7.	Exit Gas Flow	Nm ³ /h	94759.9

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Particulate Matter	mg/Nm ³	94.2	150	IS 11255 (Part 1)

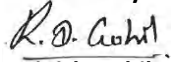
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001294F			
Test Report No.	URA/25/02/AIL-J/S-036	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/036	Service Request Date.:	08/02/2025
Sample ID No.	URA/ID/S-25/02/036	Field Data Sheet No.:	URA/FDS/S-25/02/036
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	08/02/2025	Date of Testing	10/02/2025
Stack Sampling Attached to	Chlorination Reactor Vent		
Air Pollution Control Device	Falling Film Absorber followed by Alkali Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	30
2.	Stack Diameter	mm	200
3.	Stack Area	m ²	0.0314
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	33
6.	Exit Gas Velocity	m/s	3.8
7.	Exit Gas Flow	Nm ³ /h	415.5

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Chlorine as Cl ₂	mg/Nm ³	BDL	9	SA EPA Method
2.	Hydrochloric Acid (HCl)	mg/Nm ³	3.9	20	UURL/AIR/SOP/07

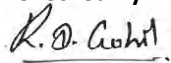
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001296F			
Test Report No.	URA/25/02/AIL-J/S-038	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/038	Service Request Date.:	08/02/2025
Sample ID No.	URA/ID/S-25/02/038	Field Data Sheet No.:	URA/FDS/S-25/02/038
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	08/02/2025	Date of Testing	10/02/2025
Stack Sampling Attached to	CLB-Cl₂ Scrubber (Storage/Pipeline)		
Air Pollution Control Device	Caustic Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	18
2.	Stack Diameter	mm	250
3.	Stack Area	m ²	0.0491
4.	Ambient Temperature	°C	31
5.	Flue Gas Temperature	°C	33
6.	Exit Gas Velocity	m/s	4.3
7.	Exit Gas Flow	Nm ³ /h	735.2

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Chlorine as Cl ₂	mg/Nm ³	BDL ((MDL:1.0)	9	SA EPA Method

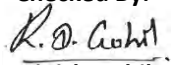
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

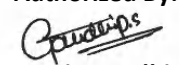
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001295F			
Test Report No.	URA/25/02/AIL-J/S-037	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/037	Service Request Date.:	08/02/2025
Sample ID No.	URA/ID/S-25/02/037	Field Data Sheet No.:	URA/FDS/S-25/02/037
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	08/02/2025	Date of Testing	10/02/2025
Stack Sampling Attached to	CLB-HCL Scrubber (Storage)		
Air Pollution Control Device	HCI Absorber followed by Caustic Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	15
2.	Stack Diameter	mm	750
3.	Stack Area	m ²	0.4420
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	32
6.	Exit Gas Velocity	m/s	3.8
7.	Exit Gas Flow	Nm ³ /h	5119.7

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	mg/Nm ³	BDL	20	UURL/AIR/SOP/07

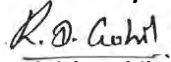
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001208F			
Test Report No.	URA/25/02/AIL-J/S-003	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/003	Service Request Date.:	04/02/2025
Sample ID No.	URA/ID/S-25/02/003	Field Data Sheet No.:	URA/FDS/S-25/02/003
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	04/02/2025	Date of Testing	05/02/2025
Stack Sampling Attached to	HCl Scrubber (Storage)		
Air Pollution Control Device	Caustic Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	23
2.	Stack Diameter	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	33
6.	Exit Gas Velocity	m/s	4.2
7.	Exit Gas Flow	Nm ³ /h	103.7

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	mg/Nm ³	14.8	20	UURL/AIR/SOP/07

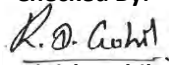
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

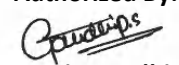
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001230F			
Test Report No.	URA/25/02/AIL-J/S-025	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/025	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/025	Field Data Sheet No.:	URA/FDS/S-25/02/025
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	DAPBI Process (Alkali Scrubber)		
Air Pollution Control Device	Water Scrubber followed by Alkali Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	15
2.	Stack Diameter	mm	152
3.	Stack Area	m ²	0.0182
4.	Ambient Temperature	°C	34
5.	Flue Gas Temperature	°C	35
6.	Exit Gas Velocity	m/s	4.2
7.	Exit Gas Flow	Nm ³ /h	265.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Hydrochloric Acid (HCl)	mg/Nm ³	3.9	20	UURL/AIR/SOP/07
2.	Chlorine as Cl ₂	mg/Nm ³	BDL	9	SA EPA Method

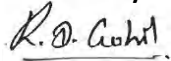
Note: 1) **BDL**-Below Detection Limit, 2) **MDL**- Minimum Detection Limit

Remarks:


Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001231F			
Test Report No.	URA/25/02/AIL-J/S-026	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/026	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/026	Field Data Sheet No.:	URA/FDS/S-25/02/026
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	DAPBI Process (Acidic Scrubber)		
Air Pollution Control Device	Acidic Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	15
2.	Stack Diameter	mm	152
3.	Stack Area	m ²	0.0182
4.	Ambient Temperature	°C	34
5.	Flue Gas Temperature	°C	35
6.	Exit Gas Velocity	m/s	3.9
7.	Exit Gas Flow	Nm ³ /h	246.1

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Ammonia as NH ₃	mg/Nm ³	6.4	175	IS: 11255 (Part-6)

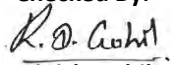
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

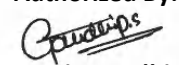
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001232F			
Test Report No.	URA/25/02/AIL-J/S-027	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/027	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/027	Field Data Sheet No.:	URA/FDS/S-25/02/027
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	ETP Scrubber		
Air Pollution Control Device	Acidic Scrubber		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	15
2.	Stack Diameter	mm	500
3.	Stack Area	m ²	0.1964
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	°C	35
6.	Exit Gas Velocity	m/s	4.0
7.	Exit Gas Flow	Nm ³ /h	2724.0

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Ammonia as NH ₃	mg/Nm ³	7.2	175	IS: 11255 (Part-6)

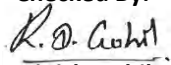
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

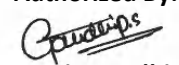
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)



TEST REPORT
STACK MONITORING

ULR - TC153452500001233F			
Test Report No.	URA/25/02/AIL-J/S-028	Report Issue Date:	04/03/2025
Service Request form No.	URA/SRF/02/028	Service Request Date.:	07/02/2025
Sample ID No.	URA/ID/S-25/02/028	Field Data Sheet No.:	URA/FDS/S-25/02/028
Name & Add. of Customer	M/s. AARTI INDUSTRIES LIMITED. PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT		
Date of Sampling	07/02/2025	Date of Testing	08/02/2025
Stack Sampling Attached to	Scrubber connected to Nitration Reactors		
Air Pollution Control Device	--		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UURL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467-DTJ-15
Cali. Date:	19/06/2024	Next Cali. Due On:	18/06/2025

➤ **General Stack Observation**

Sr.	Description	Unit	Observation
1.	Stack Height	m	29
2.	Stack Diameter	mm	76
3.	Stack Area	m ²	0.0046
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	33
6.	Exit Gas Velocity	m/s	3.7
7.	Exit Gas Flow	Nm ³ /h	59.4

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of measurement	Result	Permissible Limit	Test Method
1.	Oxide of Nitrogen	ppm	8.8	50	IS 11255 (Part 7)

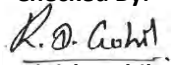
Note: 1) BDL-Below Detection Limit, 2) MDL- Minimum Detection Limit

Remarks:

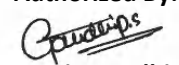
Remarks:
Opinion & Interpretation (if required): BDL: Below Detection Limit

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

Checked By:


Rajnish Gohil
(Chemist)

Authorized By:


Pooja Gandhi
(Env. Engineer)

01c

Date: 23rd April 2025
AIL/JH/2025/ENV/039

XGN ID: 35534

To,
The Environmental Engineer-Ankleshwar
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector 10A,
Gandhinagar - 382010

Sub.: Annual compliance report of Fly Ash as per rule 3(7) of Fly Ash Notification for the period April 24 to March 25 of Aarti Industries Ltd, located Plot no.756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC Estate Jhagadia, Bharuch- 393110, Gujarat

Respected Sir,

With reference to the above mentioned subject, we are submitting Annual compliance report for the period of April 24 to March 25. Compliance of the same is as follows:

1. Coal or lignite based thermal power stations shall achieve the target of fly ash utilization as per schedule given in notification i.e. 100% utilization of fly ash.
Compliance: We are sending 100% of fly ash from our co-generation power plant to end users i.e. the Manufacturer of Bricks. We have signed MoU with end users which is attached herewith as **Annexure 1**
2. TPP/CPP/Co-generation plant shall maintain a record of all sales and/or disposal of the fly ash.
Compliance: We are maintaining the record of sales of Fly Ash. A copy of the same has been attached for your ready reference. Data of the opening stock, fly ash generation, its sales and closing stock is attached as **Annexure 2**.
3. As per rule 2(4) of Fly Ash Notification coal or lignite based TPP/CPP/Co-generation plant shall constitute a dispute settlement committee.
Compliance: We have constituted a dispute settlement committee including Factory Manager & owner of the Bricks Manufacturer through Memorandum of Understanding (MoU)), which can be referred as **Annexure 1**

We hope you will find the above in the order.

Thanking you,

For, Aarti Industries Limited,

Authorized Signatory

CC: The Regional Officer, Gujarat Pollution Control Board, GIDC, Ankleshwar.



www.aarti-industries.com | CIN : L24110GJ1984PLC007301

Regd. Office : Plot No. 801, 801/23, Illrd Phase, GIDC Vapi - 396 195, Dist. Valsad. INDIA. T : 0260-2400366.

Factory : Plot No. 756/2A & B, 756/3A & B, 756/4A & B, 756/5A & B, 756/6, 756/7, 779 + 778 + 756/8 & 9, Survey No. 122, GIDC Estate, Jhagadia, Taluka. Jhagadia, Dist. Bharuch, Gujarat - 393110. INDIA.

Phone No. : 9537011611, 9537011711, 9537011811

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

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

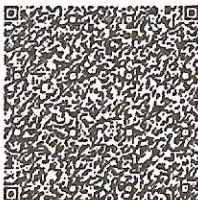


सत्यमेव जयते

INDIA NON JUDICIAL Government of Gujarat Certificate of Stamp Duty

NOTARYRegd. No. (185413)
Date

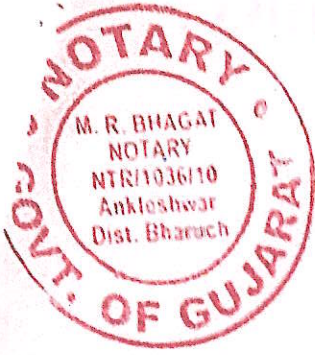
Certificate No. : IN-GJ71975004807353V
Certificate Issued Date : 29-May-2023 09:37 AM
Account Reference : IMPACC (AC)/ gj13146611/ BHARUCH/ GJ-BH
Unique Doc. Reference : SUBIN-GJGJ1314661170035007987447V
Purchased by : MAYANK T PARMAR
Description of Document : Article 5(h) Agreement (not otherwise provided for)
Description : M O U
Consideration Price (Rs.) : 0
(Zero)
First Party : MS AARTI INDUSTRIES LIMITED
Second Party : MS MANTRA BRICKS AND CEMENT ARTICLES
Stamp Duty Paid By : MS AARTI INDUSTRIES LIMITED
Stamp Duty Amount(Rs.) : 300
(Three Hundred only)



IIE 0003011568

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shieldstamp.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.



NOTARY

NOTARY

29 MAY 2023

MEMORANDUM OF UNDERSTANDING
BETWEEN

Particulars	Generator	Utilizer
Name	M/s. Aarti Industries Limited, (Unit -II, Jhagadia)	M/s. Mantra Bricks & Cement Articles
Address	Plot No. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778, 779, GIDC Estate, Jhagadia, Dist-Bharuch, Gujarat	Post Mandva, Taluka Ankleshwar, Dist. Bharuch, Gujarat.
CCA No.	AW11-119949 Issued on 05.07.2022 & Valid upto 30.04.2029	--
Issued by	Gujarat Pollution Control Board, Gujarat	--
Name of material/waste	Fly Ash	
MOU Quantity	2000 MT/Year	
Valid upto	30.04.2029	

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

- That
1. Fly Ash Utilizer shall execute MOU with Fly Ash generator with below terms & conditions.
 2. As a part of this MOU, the Fly Ash Utilizer has agreed to accept the Fly Ash generated from the manufacturing activities of the Generator.
 3. Fly Ash shall be transported through AIS-140 compliant Global Positioning System (GPS) enabled dedicated dumpers/trucks only.
 4. The Utilizer shall be responsible for transportation and ensure API development of GPS of all the vehicles with Aarti Logistics Control Room (ALCR) before engaging in the services.
 5. Both the parties, the Generator and the Utilizer, shall keep record of inventory of Fly ash generation, disposal & stock (as applicable) and shall make inventory available for inspection.
 6. 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.
 7. The Transporter shall ensure to cover the vehicle adequately with tarpaulin.
 8. The Transporter shall follow and comply with requirements of guidelines/checklists formulated by the Generator.
 9. The Transporter shall comply with Motor Vehicle Act and Rules framed thereunder for carrying Hazardous Chemicals/waste.
 10. The Transporter shall ensure that the trucks shall be dedicated for transportation of Fly ash and shall not be used for any other purposes.

ANNEXURE - 2

Fly Ash record (1st April' 24 to 31st March' 25)				
Month	Fly Ash Opening Balance (MT)	Fly Ash Generation (MT)	Sold to Bricks manufacturer (MT)	Closing Balance (MT)
April-2024	13.598	106.473	102.220	17.851
May-2024	17.851	123.013	121.720	19.144
June-2024	19.144	108.299	109.000	18.443
July-2024	18.443	81.213	85.850	13.806
August-2024	13.806	110.888	124.110	0.584
September-2024	0.584	95.699	78.570	17.713
October-2024	17.713	94.817	98.310	14.220
November-2024	14.220	104.868	107.540	11.548
December-2024	11.548	127.074	132.920	5.702
January-2025	5.702	126.261	129.180	2.784
February-2025	2.784	128.502	124.580	6.705
March-2025	6.705	124.991	129.180	2.516
Year's Cumulative (1st April' 24 to 31st March' 25)				
2024-25	Opening stock as on 01.04.2024 : 13.598	1332.098	1343.18	Closing stock as on 31.03.2025 : 2.516



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

06TH OCTOBER, 2022

To,

AARTI INDUSTRIES LTD. UNIT-2 (756)

PLOT NO:756/2 A & B, 756/3 A & B, 756/4 A & B,
756/5 A & B, 756/6 & 779,
GIDC ESTATE JHAGADIA,
DIST-BHARUCH.

Sub: Membership Certificate for Incinerable Waste Facility.

Dear Sir,

We hereby certify that you have become member for the common incineration facility of **BEIL INFRASTRUCTURE LIMITED** (FORMERLY KNOWN AS BHARUCH ENVIRO INFRASTRUCTURE LTD), at GIDC, Ankleshwar & Dahej. You have booked quantity of **900 MT/Year**. You have paid Registration fees for common incinerator membership. Your Membership No. is **CI/JHG/035**.

Waste will be accepted after submitting valid authorization of GPCB.

Thanking you,

Yours faithfully,

For, BEIL INFRASTRUCTURE LIMITED


AUTHORISED SIGNATORY



"Certificate"

DETOX INDIA
operated by **VEOLIA**

Certificate No.:101402

To Whomsoever it may concern

This is to certify that
AARTI INDUSTRIES LTD.

PLOT NO. 756/2 A&B, 756/3 A&B,
756/4 A&B, 756/5 A&B, 756/6 & 779,
GIDC ESTATE JHAGADIA,
BHARUCH

is a valid member of

SAFE ENVIRO PRIVATE LIMITED

SEPL - Magnad

for

Integrated Common Hazardous Waste Management Facility

This membership is valid for a period of

05 Years

Date of Issue :27-10-2021

Date of Expiration : 27-10-2026

Place of Issue : Surat

For, Safe Enviro Private Limited

Director

SUBJECT TO SURAT JURISDICTION

Safe Enviro Private Limited

Survey No. 868, Village - Magnad, Tal. - Jambusar, Dist. - Bharuch - 392150 (Guj.) INDIA

Corporate Office : Detox House, Opp. Gujarat Samachar Press, Udhna Darwaja, Ring Road, Surat-395 002 (Guj.) INDIA

Ph. : +91 261 2351248, 2346181 | E-mail : info.safeenviro@veolia.com | CIN : U51101GJ2015PTC083237

REF:SEPL/ACCEPTANCE/101402/2023/11

Date:10.03.2023

TO WHOMSOEVER CONCERNED

CERTIFICATE

This is to inform **M/s. AARTI INDUSTRIES LTD. (UNIT-2)** is situated at **PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9 & 779, GIDC ESTATE JHAGADIA, DIST : BHARUCH.** is an active member of Integrated Common Hazardous Waste Management Facility (TSDF) operated by **M/s. Safe Enviro Pvt. Ltd. (SEPL)** Vide Membership No.101402. Details of Waste type along With Quantity Proposed by the member unit are mentioned below:

<u>Sr. No.</u>	<u>Type of Waste</u>	<u>Quantity</u> <u>(MT / Annum)</u>
1	ETP Sludge (35.3)	20,000

M/s. Safe Enviro Pvt. Ltd. shows its readiness to accept the above waste proposed by **M/s. AARTI INDUSTRIES LTD. (UNIT-2)** after conducting Comprehensive analysis of their waste to confirm disposal pathway for its safe disposal at our site.

For, **Safe Enviro Pvt. Ltd.**


(Authorised Signatory)

Safe Enviro Private Limited

Site : Survey No. 868, Village - Magnad, Tal. - Jambusar, Dist. - Bharuch - 392150 (Guj.) INDIA
Registered office: 3rd Floor, H.No.-2/801, 802, Hira Modi Sheri, Bhandariwad, Sagrampura, Surat- 395002, Gujarat
Ph. : +91 261 2351248, 2346181 | E-mail : info.safeenviro@veolia.com | CIN : U51101GJ2015PTC083237



Ref. BEIL/ANK/2024

13TH MAY, 2024

To,

AARTI INDUSTRIES LTD. UNIT-2 (756)

PLOT NO:756/2 A & B, 756/3 A & B, 756/4 A & B,

756/5 A & B, 756/6 & 779,

GIDC ESTATE JHAGADIA,

DIST-BHARUCH

Sub: Membership Certificate for Common Solid Waste Disposal Facility.

Dear Sir,

We hereby certify that you have become member for **5 years up to 12/05/2029** for the common Solid/Hazardous waste disposal facility of BEIL Infrastructure Limited. (Formerly Known as Bharuch Enviro Infrastructure Limited.), at GIDC, Ankleshwar. You have booked solid waste quantity of **18942 MT/Years.** Your Membership No. is **JHG/032.**

Waste will be accepted after submitting valid authorization of GPCB.

- 1) **Total TSDF Capacity of BEIL Ankleshwar:** 5098000 MT
- 2) **Total Consented Capacity:** 5098000 MT
- 3) **Total Occupied Capacity:** 4279414.256 MT
- 4) **Spare Capacity:** 0818585.744 MT

Thanking you,

Yours faithfully,

For BEIL Infrastructure Limited.

(Formerly Known as Bharuch Enviro Infrastructure Limited.)


Mr. Manoj Patel
(Vice President - Operations)





M/s. Aarti Industries Limited, Unit-2

Plot No. 756/ 2 A/ B, 3 A/ B, 4 A/ B, 5A/
B, 6/ 7/ 8/ 9, 778 & 779, GIDC Estates,
Jhagadia, District – Bharuch,
Gujarat – 393110

ON-SITE EMERGENCY PLAN

OF

M/s. AARTI INDUSTRIES LIMITED

Unit-2

JHAGADIA

AUGUST 2024



719 & 720, 722 - Western Business
Park, Opp. S. D. Jain School,
Vesu – Surat. - 395007.
PH. NO.+91-89800 11563.

• **Global Knowledge -Digested Indigenously**

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Preface

Our First Emergency Plan was prepared many years ago and then it has been updated as & when required; based on learning from various Mock drills and on account of expansion in the facility. Mock drills will be conducted to test the plan and to improve our emergency preparedness. The results of these mock drills, identification and assessment of all maximum credible scenarios, study of various Rules, Regulations and standards will be taken as basis for modifying the ON-SITE Emergency Plan along with classification of Emergencies & requirement so simple mention of ISO9001:2015, ISO14001:2015 and ISO45001:2018. The goals and objectives of all these efforts are to improve quality of work and working life through dedicated concentrated efforts consistent with the requirement of safety, health and environment at work place.

As emergencies arise suddenly; the necessity to remain always alert & ready with supporting facilities to face them effectively; is of paramount importance. This document cannot be said to be the complete as its only sets broad guidelines for emergency preparedness. Well planned and well- rehearsed Emergency Plan will help organizations to mitigate / control emergency situation in minimum time and also to restart operation with minimum losses.

All the key personnel are requested to study the document and become familiar with the contents and disseminate information to those working with them.

Mr. Ajaykumar Gupta
Occupier

AGREEMENT FOR MUTUAL AID

This agreement is made at Jhagadia industrial estate, Jhagadia, Dist.: Bharuch on 1st September 2018 between the following companies.

Sr No	Name of the company	Address for communication
1	UPL Ltd.(Unit 5)	UPL Ltd Plot no 746 / 750 ,GIDC , Jhagadia Dist. :Bharuch ,State: Gujarat
2	DCM SHRIRAM Ltd. (Unit: Shriram Alkali & Chemicals)	DCM SHRIRAM LTD. (unit: Shriram Alkali & Chemicals) Plot no: 749, GIDC Industrial Estate, Jhagadia, Dist Bharuch State: Gujarat
3	LANKESS INDIA PVT. LTD.	PLOT NO- 748/2A, 3, 4A, 4B GIDC MEGA ESTATE JHAGADIA-393110 DIST BHARUCH
4	Vardhaman Azylis Ltd.,	755, GIDC, Jhagadia Bharuch - 393110 amunbhadri@vardhaman.com
5	SAINT GOBAIN INDIA PVT LTD	PLOT No 36, GIDC JHAGADIA BHARUCH-393110
7	EVONIK SPECIALTY SILICA INDIA PVT. LTD	PLOT NO-754, GIDC JHAGADIA DIST- BHARUCH STATE- GUJARAT
8	KOHLER INDIA PVT. LTD.	PLOT NO-828, GIDC MEGA JHAGADIA-393110, DIST BHARUCH
9	Pepsi Co India Holding Pvt Ltd., Jhagadia.	plot NO. 97, GIDC Jhagadia, Dist. Bharuch State- Gujarat
10	AARTI INDUSTRIES LTD	PLOT NO. 758-1/2/3 & 758/2A- 3A-13, 4A-13, 5A-13, 6/7 & 77 GIDC MEGA ESTATE JHAGADIA-393110, DIST BHARUCH

MUTUAL AID AGREEMENTS

AS PER GUIDELINES OF FACTORIES ACT AND DIRECTOR OF INDUSTRIAL SAFETY AND HEALTH, WE SIGNATORIES OF THIS LETTER AGREE TO EXTEND MUTUAL HELP TO EACH OTHER AMONG THE GROUP AT THE TIME OF EMERGENCY ARISING DUE TO FIRE, GAS LEAK, EXPLOSION AND NATURAL CALAMITIES.

WE AGREE TO PROVIDE EQUIPMENT AND MANPOWER FOR CONTROLLING FIRE AND GAS LEAK AND ALSO TO SPARE RESOURCES FOR FIRST AID, RESCUE TRANSPORT, EVACUATION, COMMUNICATION AND SHELTER. THE COST OF CONSUMABLE WILL BE PAID BY AID DEMANDING INDUSTRY AS PER ACTUAL.

WE ALSO AGREE TO REVIEW AND UPDATE INFORMATION RELATED TO EMERGENCY PREPAREDNESS IN ANNEXURE -A ON A QUATERLY BASIS.

FOR UPL-5

Mr. Subhat Kumar Jhagadia
Unit Head



FOR DCM SHRIRAM LTD

Mr. K R Vaidya
Sr. VP & Head of Unit



FOR LANXESS INDIA P. LTD

(D. D. Haprasad
Talekar)

FOR SAINT GOBIN

S. SELVAKUMAR)
PLANT HEAD.



FOR VARDHMAN ACRYLICS LTD

Ch. Anu Bhargava
Unit Head



FOR EVONIK SPECIALTY SILICA
INDIA PVT. LTD.

Santosh
Kumar
FOR AARTI INDUSTRIES LTD

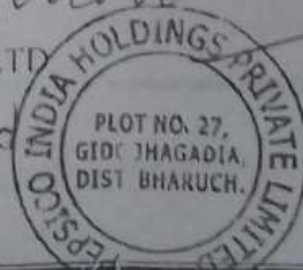


FOR KOHLER INDIA P. LTD

Vipinkumar

FOR PEPSICO HOLDING INDIA PVT. LTD

Mr. C. S. Guruprasad
Unit Head



(Santosh Kumar)





POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	: AARTI INDUSTRIES LTD		
Insured's Details		Issuing Office Details	
Customer ID	: PO09969068	Office Code	: C.D.U (120400)
Address	: 2ND FLOOR, 221, UDYOG KSHETRA, LBS MARG, MULUND GOREGAON LINK ROAD, MULUND (WEST) MUMBAI, MAHARASHTRA, 400080	Address	: NEW INDIA CENTRE, 4TH FLOOR, 17 -A, COOPERAGE ROAD, 400001
Phone No	: XXXXXX8086	Phone No	: 02222049713 / 02222815075
E-mail/Fax	: tanil.mathew@aarti-industries.com, /	E-mail/Fax	: nia.120400@newindia.co.in / 02222842678
PAN No	: AABCA2787L	S.Tax Regn. No	: AAACN4165CST178
GSTIN/UIN	: 27AABCA2787L2ZB / NA	GSTIN	: 27AAACN4165C3ZP
		SAC	: 997139 (Other non-life insurance services excl RI)

Policy Details			
Policy Number	: 12040036243300000004	Business Source Code	
Period of Insurance	: From: 09/01/2025 12:00:01 AM To: 08/01/2026 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User	: Prudent Insurance Brokers Pvt. Ltd. - (2D10077353) Prudent Ins Brokers_120400 - (SI00034592).
Date of Proposal	: 09-Jan-25	Agent/Bancassurance/S pecified Person	
Prev. Policy no.	:	Phone No	: NA / NA
Client Type	: Corporate	E-mail/Fax	: / /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
9000	9000	1,620	19,620	RUPEES NINETEEN THOUSAND SIX HUNDRED TWENTY ONLY	1204008124000000130 7 - 09/01/25

Details of risk covered under current year policy:

								Deductible s	
Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	No of workmen	No of Other Employee
09/01/2022	<= 15 Crore	22	50000000	1:3	150000000	595500000	574100000	4000	2400

Retroactive Dates

									Deductible s	
Retroactive Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	No of workmen	No of Other Employee
RETROACTIVE DATE 1	09/01/2022	<=15Crore	22	50000000	1.3	150000000	595500000	574100000	4000	2400

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension
-----------------------	----------------------------	------------------------------

Signature Not Verified
Digitally signed by DHIRAJ KUMAR
Date: 2025.01.09 15:18:27 IST

Policy No. : 12040036243300000004 Document generated by 40305 at 09/01/2025 15:18:25 Hours.

Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.



Special Conditions	Claims made basis Territory & Jurisdiction : India NA
Special Exclusions	NA
Special Excess/Deductible	0
Retroactive Dates	Date
Retroactive date	09/01/2022

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	Description
Premium and GST Details	
	Rate of Tax Amount in INR
Premium	₹ 18,000
SGST	9 810
CGST	9 810
IGST	0 0

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 09th day of January, 2025.

For and on behalf of
The New India Assurance Company Limited

Date of Issue: 09/01/2025

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank _____ Dt. _____ consolidated Stamp Fees Paid by Pay Order Number _____ vide receipt number _____ dt. _____.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 12040024P0001589

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C



दि न्यू इन्डिया एश्योरन्स कंपनी लिमिटेड

(भारत सरकार का उपक्रम)

THE NEW INDIA ASSURANCE COMPANY LTD.

(Govt. of India Undertaking)

मं. का. 120400, न्यू इन्डिया सेंटर, 4थी मंजिल, 17-ए, कोपरेज रोड, मुंबई - 400 001.

D.O. 120400, New India Centre, 4th Floor, 17-A, Cooperage Road, Mumbai - 400 001.

Phone : 22815075, 22892800

E-mail : nia.120400@newindia.co.in



Public Liability Act policy

Issued at MUMBAI

DATE: 09/01/2025

Policy No : 12040036243300000004

Name of the Insured : AARTI INDUSTRIES LTD

Period of Insurance : From: 09/01/2025 00:00:01 AM To: 08/01/2026 11:59:59 PM

Risk Locations :

Sr No	Division	Bus Area Code	Plant Name	Address
1	Chemical	AN01	Amine	Plot No 285,286/1 A-1-322/23, 322/12, 322/24 II Phase,GIDC,Vapi- 396195
2	Chemical	AP01	Apple	PLOT NO. 610 , 609 & C1B/70, REVENUE SURVEY NO 234/P ,100,SHED AREA, GIDC , VAPI, VALSAD 396195
3	Chemical	DH1N	Dahej Diamond	PLOT NO Z/103/C SEZ-II, DAHEJ, TAL- VAGRA, DIST - BHARUCH 392130
4	Chemical	DHJ1	Dahej Neo	PLOT NO Z/103/H SEZ-II, DAHEJ, TAL- VAGRA, DIST - BHARUCH 392130
5	Chemical	DHJ2	Dahej Saffron	PLOT NO - Z/111/B, Z/111/C & D, GIDC Notified Industrial Estate, DAHEJ, SEZ-II,TAL VAGRA, DIST. BHARUCH 392130
6	Chemical	FA01	Fertilizer	PLOT NO. 801/15, TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
7	Chemical	JA04	Jhagdia 3M/Ash Land	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 Plot No 41/1, 41/2, 41/3/1, 41/3/2 & 41/3/3 ,GIDC Jhagadia - 393110, Dist - Bharuch, Gujarat (India)
8	Chemical	Jhagadia	Jhagadia	Plot No. 756 - 8/9, 758/1,2,3 Survey no. 345, 348, 356, 357, 358, 359, 360 & 364
9	Chemical	JHA1(Pearl)	Jhagadia	Plot No. 756-2A/B, 3A/B, 4A/B, 5A/B,6,7,8,9 & Survey No. 122 GIDC Jhagadia, Dadheda, Bharuch 393110
10	Chemical	JHA2 (Ruby)	Jhagadia	Plot no. 778, P.B No. 24, GIDC, Jhagadia-393110, Dist- Bharuch, Gujarat
11	Chemical	JHA3 (Jade)	Jhagadia	Plot No 41/3/1-2-3, Jhagadia, Dist- Bharuch, Gujarat
12	Chemical	JHA4 (Gold)	Jhagadia	PLOT NO. 756/2 A&B 756/3 A&B 756/4 A&B , GIDC NOTIFIED INDUSTRIAL ESTATE, JHAGADIA 393110
13	Chemical	R&D Jhagadia	R&D Jhagadia	SURVEY NO. 1430/1, NATIONAL HIGHWAY NO. 8 KUTCH BHACHAU, GUJARAT 370140
14	Chemical	JHA6(Onyx)	Jhagadia	PLOT NO. 24, PHASE-I, G.I.D.C., DIST VALSAD 396195
15	Chemical	KU01	Anushakti	
16	Chemical	NS01	Nascent	

17	Chemical	NU01	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
18	Chemical	RD01	R&D Vapi	PLOT NO. 802,803,804/12-3, 801/15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
19	Chemical	RD03	R&D Mhape	A/94-1 & A/94/1/1, Khairane, MIDC, TTC,India, Navi Mumbai - 400710
20	Chemical	VA01	Acid	Plot No 802, 803, 804/3, Phase III,GIDC,Vapi- 396195 Plot No. 801/15 to 19,21 & 22, Phase-III, GIDC Estate, Vapi -396195, Tal: Pardi, Dist: Valsad
21	Chemical	VA02	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
22	Chemical	VA03	Alchemie Organic	PLOT NO. 902 923 PHASE-III, G.I.D.C, VAPI, DIST VALSAD, VAPI 396195
23	Chemical	TA02	Tarapur Unit-2	Plot No. L-5,L-4, L-8,L-9/1, MIDC, Tarapur, Boisar, Maharashtra 401506

Sr No.	Bus Area Code	Address	Location	Rented or Owned
1	SL - STORAGE LOCATION	209 C/o Welcome Roadways, Lasudiya Mori, Halka No 17, Dewas Naka, Indore- 452010	Indore	Rented
2	ET01	71 Udyog Kshetra 2nd Floor Mulund Goregaon Link Road, Mulund West, Mumbai 400080	Mumbai	Owned
3	SL - STORAGE LOCATION	Ankit Petro Products Private Limited, L12, MIDC, Tarapur 401506	Tarapur	Rented
4	SL - STORAGE LOCATION	BHIWANDI GODOWN -1 SHED NO. 4, PATWARDHAN COMPOUND, NEAR DAL MILL COMPOUND, PURNA VILLAGE, AGRA ROAD, PURNA THANE	Bhiwandi	Rented
5	SL - STORAGE LOCATION	C/O Nasibdar Group Of companies, Plot No . H-4/2/B, MIDC, Tarapur, Boisar , Maharashtra - 401506	Tarapur	Rented
6	SL - STORAGE LOCATION	D/6 , Mayashree Compound, Survey No. 189/12356, 190/4, 190/5, 194/11, In Dal Mill Compound, Village Purna , Bhiwandi , Dist: Thane. 421302	Bhiwandi	Rented
7	SL - STORAGE LOCATION	GAT NO 706 SANDIP WAREHOUSE, AVHANE SHIVAR, KANALDA ROAD, AVHANE, JALGAON, DIST - JALGAON - 425002	Jalgaon	Rented
8	SL - STORAGE LOCATION	GAT NO 89 & 91 SANGHAVI WAREHOUSE, BAMBRUD PACHORA, DIST- JALGAON -424201	Jalgaon	Rented

9	SL - STORAGE LOCATION	GODOWN NO 1 , 2 , 3 & 4, GAT NO 68/1, VILLAGE BELAD, NH-6 BYE PASS ROAD , TAL- MALKAPUR, DIST - BULDHANA - 443102	Buldhana	Rented
10	SL - STORAGE LOCATION	GODOWN NO 1 PART B SURVEY NO 137, BEHALF OF SANTOSH HYBRID SEEDS CO PVT LTD, BHOKARDAN ROAD, JALNA, DIST - JALNA - 431114	Jalna	Rented
11	SL - STORAGE LOCATION	GODOWN NO 1 TO 4 SURVEY NO 108/A/2 CHAHURANA BUDRUK, NAGAR KALYAN ROAD, NALEGAON , THANGE MALA ,AHMEDNAGAR - 414001	Ahmednagar	Rented
12	SL - STORAGE LOCATION	GODOWN NO 1, GAT NO 203, BEHLAF OF JEEVAN TRADING COMPANY, TUPPA VILLAGE, HYDERABAD HIGHWAY, DIST NANDED - 431603	Nanded	Rented
13	SL - STORAGE LOCATION	GODOWN NO 2 & 3 SURVEY NO 224/2 NEAR RADHASWAMI SATSANG , SHAHADA ROAD, VILLAGE DONDAICHA, TAL SHINDKHEDA, DIST - DHULE - 425408	Dhule	Rented
14	SL - STORAGE LOCATION	GODOWN ON SURVEY NO 163, GRAMPANCHYAT TEMBHURNE, KHAMGAN-AKOLA ROAD, DIST BULDHANA - 444303	Buldhana	Rented
15	VD09	GPC No. 932/1, 932/2 Hubbarwadi, Hubbarwadi Village, Raybag, Belagavi 591317, Karnataka	Belagavi	Rented
16	SL - STORAGE LOCATION	Industrial plot no 271 and 272 chanod tal.vapi dist valsad	Vapi	Owned
17	SL - STORAGE LOCATION	Industrial plot no 271 and 272 II Phase Gidc vapi 396195	Vapi	Rented
18	CS01	Khata no 430 survey no 452 village chival pardi valsad	Vapi	Owned
19	SL - STORAGE LOCATION	NAGESHWAR COMPOUND, GALA B 103 PART A THANE BHIWANDI AGRA ROAD VILLAGE PURNADANDEKARWAD, DISTRICT - THANE	Bhiwandi	Owned
20	HAZ1	Near LNG Terminal, Hazira Bypass Road, Hazira, Surat-394270, Gujarat	Hazira	Rented
21	SL - STORAGE LOCATION	Nepti Factory Godown No 3, Vaibhav Cattle Feed Factory Nepti, Survey No 65/2B/1 , Nepti village, Kadegaon, Kadegaon Tal - Ahmednagar Dist - 414005	Ahmednagar	Rented
22	VD07	PLOT NO - 609, 610,100 SHED AREA, G.I.D.C. ESTATE, VAPI, GUJARAT- 396195	Vapi	Rented

23	SL - STORAGE LOCATION	Plot no : d2/ch/77, Vedant Chlorochem ,Dahej, Tal : Vagra, Dist:Bharuch.	Dahej	Rented
24	TA04	PLOT NO 188 TO 190 2ND PHASE GIDC VAPI 396195	Vapi	Rented
25	SL - STORAGE LOCATION	Plot No 2006, 3 rd Phase, GIDC Vapi 396195	Vapi	Owned
26	SL - STORAGE LOCATION	PLOT NO 271 & 272, SURVEY NO 269, PAIKE, 269/P 270/P, 2ND PHASE GIDC ,CHANOD, VAPI DIST VALSAD - 396195	Vapi	Rented
27	JA05	Plot No 2900/115,2900/116 GIDC Ankleshwar ,Dist.Bharuch -393002 Gujarat	Ankleshwar	Rented
28	JA05	PLOT NO 2900/117 , INDOKEM COMPOUND, GIDC ESTATE,DIST BHARUCH ANKLESHWAR - 393002	Ankleshwar	Rented
29	SL - STORAGE LOCATION	PLOT NO 927 PHASE III GIDC, REVENUE SURVEY NO 43/P CHIRI VAPI DIST - VALSAD - 396195	Vapi	Rented
30	SL - STORAGE LOCATION	PLOT NO. 13, JNPT LIQUID STORAGE AREA,NHAVA SHEVA, URAN NAVI MUMBAI, RAIGAD- 400707.	Uran	Rented
31	OS01	Plot No. 2900/115, 2900/116, 2900/117, Indokem, Compound, GIDC Estate, Ankleshwar, Bharuch, 393002, Gujarat	Ankleshwar	Rented
32	VD08	PLOT NO. 756/2 A&B 756/3 A&B 756/4 A&B GIDC NOTIFIED INDUSTRIAL ESTATE, JHAGADIA 393110	Jhagadia	Rented
33	VD06	PLOT NO.316 D AT 40 SHED AREA GIDC VAPI 396195	Vapi	Rented
34	SL - STORAGE LOCATION	PLOT/SHED NO 1106, GIDC VAPI, VILLAGE CHIRI, TALUKA-VAPI, DIST - VALSAD	Vapi	Rented
35	SL - STORAGE LOCATION	S-42, MIDC, Tarapur, Boisar, Dist Palghar Aftab Silk Mills Pvt Limited	Tarapur	Rented
36	SL - STORAGE LOCATION	Shed No .7/5A, Arun Compound, Survey No. 172, Hissa No.2, 3,4 Dal Mill Compound, Village Purna , Bhiwandi , Dist: Thane. 421302	Bhiwandi	Rented
37	SL - STORAGE LOCATION	Shed No. 12A and 12B, Survey No. 178 Hissa No. 1 & 2, Sarvotam Compound, Dal Mill Compound, Village Purna , Bhiwandi , Dist: Thane. 421302	Bhiwandi	Rented
38	SL - STORAGE LOCATION	Shed No.8/6A , Arun Compound, Survey No. 172, Hissa No.2, 3,4 Dal Mill Compound, Village Purna, Bhiwandi, District Thane – 421302	Bhiwandi	Rented

39	SL - STORAGE LOCATION	Shed no-13, Sarvotam Compound, Survey No. 172, Hissa NO. 1 Dal Mill Compound, Village Purna , Bhiwandi , Dist: Thane. 421302	Bhiwandi	Rented
40	SL - STORAGE LOCATION	Shed no-16, Sarvotam Compound, Survey No. 172, Hissa NO. 1 Dal Mill Compound, Village Purna , Bhiwandi , Dist: Thane. 421302	Bhiwandi	Rented
41	VD10	SURVEY NO 108/A, NAGAR KALYAN ROAD, NEAR THANGE MALA, Ahmednagar 414001, Maharashtra	Ahmednagar	Rented
42	MW04	SURVEY NO. 137, BHOKARDHAN ROAD, NEAR JALNA BHOKARDHAN ROAD, JALNA, 431114, MAHARASHTRA	Jalna	Rented
43	SL - STORAGE LOCATION	TERMINAL AT PORT PIPAVAV, POST BAG 45, POST UCHHAIYA VIA RAJULA, UCHHAIYA, Amreli, Gujarat, 365560	Pipavav	Owned
44	SL - STORAGE LOCATION	WAREHOUSE AT GAT NO 87, VILLAGE GEVRAI TANDA, DIST - AURANGABAD - 431111	Aurangabad	Rented
45	MW05	GAT NO. 706, SANDIP WAREHOUSE, AVHANE SHIVAR KANALDA ROAD, AVHANE SHIVAR, JALGAON - 425002, MAHARASHTRA	Jalgaon	Rented
46	VD01	Plot No - 28 Phase-II, GIDC, Vapi 396195	Vapi	Owned
47	VD11	GAT NO. 68/1, NH-6, BY PASS ROAD, MALKAPUR, MAHARASHTRA 443102	Malkapur	Rented
48	SL - STORAGE LOCATION	Plot No. 25, GIDC, Phase 1 and 2, Vapi, Dist Valsad, Gujarat 396195	Vapi	Rented
49	SL - STORAGE LOCATION	PLOT NO.321/8, 40 SHED AREA, CHANOD, GIDC VAPI, DIST VALSAD 396 195	Vapi	Rented
50	SL - STORAGE LOCATION	Plot No. 328-329/B, A-1 Building Area, GIDC Estate , Ankleshwar, Bharuch, Gujarat 393002	Ankleshwar	Rented
51	SL - STORAGE LOCATION	Plot No.L-4 & L-5 M.I.D.C,Tarapur,Maharashtra-401506	Tarapur	Owned
52	SL - STORAGE LOCATION	PLOT NO S-42, MIDC TARAPUR, BOISAR, DIST -PALGHAR, MAHARASHTRA 401501	Boisar	Rented
53	SL - STORAGE LOCATION	GODOWN NO 13 & 14 NEAR MARUTI SHOWROOM, HINGOLI ROAD, MARUTI SUZUKI ARENA, ASPA BRANDSONS AUTO PVT LTD, HINGOLI ROAD, WASHIM, MAHARASHTRA 444505	Washim	Rented
54	SL - STORAGE LOCATION	Plot No 1663, GIDC Sarigam, Vai Umbergam, Sarigam, Valsad, Gujarat,	Sarigam	Rented

		396155		
55	SL - STORAGE LOCATION	Survey No 846, Plot No 106, Namdha, Vapi, Valsad, Gujarat 396195	Vapi	Rented
56	SL - STORAGE LOCATION	Plot No 148/A Phase 2, GIDC Vapi Dist Valsad, Gujarat, 396195	Vapi	Rented
57	SL - STORAGE LOCATION	PLOT NO K 14, MIDC TARAPUR, SALWAD, BOISAR, PALGHAR, MAHARASHTRA 401506	Boisar	Rented

Sr No.	Bus Area Code	NEW ADDRESS	Location	Rented or Owned
1	KU02	PLOT NO. 5&6 ,KESAR TERMINAL & INFRASTRUCTURE LTD, OLD KANDLA 370220	Kutch	Rented
2	SL - STORAGE LOCATION	Shreeji terminal, plot no. 7 near jawaharlal nehru railway crossing, kandla 370210	Kutch	Rented
3	KU05	SURVEY NO 26 (OLD SURVEY NO 157), PADANA WAREHOUSE, PADANA, GANDHIDHAM, KUTCH GUJARAT	Kutch	Rented
4	SL - STORAGE LOCATION	SURVEY NO 26, (OLD SURVEY NO - 157), PAIKI -2 PADANA GANDHIDHAM 370240	Gandhidham	Rented
5	SL - STORAGE LOCATION	Survey No. 1430/2, N.H. No 41, Ta. Bhachau, Dist Kutch, Gujarat.	Kutch	Rented
6	KU04	NEAR OIL JETTY, IFFCO PLANT IFFCO ROAD, KUTCH, GUJARAT 370210	Kutch	Rented
7	-	Tank No 103, Plot No 7, Kandla, Kutch, Near Jawaharlal Nehru Railway Crossing, Kandla, Kutch, Gujarat 370210	Kutch	Rented
8	-	Tank No TK 122, Plot No 7, Pandit Jawahar Lal Nehru Marg, Gandhidham, Kandla, Kutch, Gujarat 370210	Kutch	Rented
9	-	NEAR OIL JETTY, CRL TERMINALS PVT LTD, POINT NO 1, NEAR WASTE GATE NI 1, KANDLA, KUTCH, GUJARAT 370210	Kutch	Rented
10	KU06	SURVEY NO 236/1 and 237, Warehouse No K-01, Village Mithi Rohar, Gandhidham, Kutch, Gujarat 370201	Kutch	Rented

S No	Stock At Doc List
1	Jawaharlal Nehru Port Trust Sheva, Navi Mumbai-400702
2	15-23, National highway 4B, Panvel-JNPT highway, Village Padeghar, Panvel, Maharashtra 410206
3	Balmer Lawrie & Co. Ltd., Container Freight Station (CFS), Sector: 7, Plot No: 1, P.B. No: 8, Dronagiri Node Navi Mumbai - 400707
4	MUMBAI AIRPORT ANDHERI:- AIR CARGO COMPLEX SAHARA ANDHERI
5	HAZIRA PORT Hazira LNG and Port Hazira, Dist: Surat Gujarat - India
6	PORT OF PIPAVAV, POST BAG 45, POST UCCHAIYAVIA RAJULA, AMRELI, Gujarat, India, 365560.

Location 1: MUNDRA PORT Post Box No. 1 Mundra (Kutch), Gujarat 370421

Location 2: Deendayal Port, Kandla, Gujarat, Kutch, Pincode: 370210

**For & On Behalf of
The New India Assurance Co. Ltd**



Duly Constituted Attorney(S)

Form No. 32 & 33

(Prescribe under Rule 68 T and 102)

HEALTH REGISTER

2270

(નિયમ ૬૮ ટી અને ૧૦૨ હેઠળ રાખેલ)

આરોગ્ય રજીસ્ટર

CL-1 CONFIDENTIAL

FORM NO. 33
(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations.

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

1. Serial number in the register of adult workers : 5700 4784
2. Name of the person examined : MODAN SAJIDBHAI
3. Father's Name : MODAN SHABBIRHUSEIN
4. Sex : MALE
5. Residence : B-13, SAHAKAR PARK SOCIETY, KAPODRA, ANKLESHWAR
6. Date of birth, if available : 20/05/1993
7. Name & address of the factory : AARTI INDUSTRIES LTD, JHAGADIA.
8. The worker is employed/proposed :
 - (a) Hazardous process :
 - (b) Dangerous operation :

I certify that I have personally examined the above named person whose identification marks are MALE, O.N. UPPER LIP.....and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 27 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.

In my opinion he/she is unfit for employment in the said manufacturing process/operation for the reasonHe/She is referred for further examination to the Certifying Surgeon.

The serial number of previous certificate is

Signature or left hand thumb impression of the person examined :

Modan

Signature of the Factory Medical Officer No. MP-9337

DR. BHAVESH B. PATEL
M.B.B.S. PGCIH Reg. No. MP-9337
Factory Medical Officer
Aarti Industries Limited, Jhagadia.

Stamp of factory Medical Officer
Name of the Factory :

I certify that I examined the person mentioned above on (date of Examination)	I extend this certificate unfit (if certificate is not extended, the period for which the worker is considered unfit for work is to be mentioned)	Signs and symptoms observed During examination	Signature of the Factory medical Officer with date.
			DR. BHAVESH B. PATEL M.B.B.S. PGCIH Reg. No. MP-9337 Factory Medical Officer Aarti Industries Limited, Jhagadia.

Notes :

1. If declared unfit, reference should be made immediately to the Certifying Surgeon.
2. Certifying Surgeon should communicate his findings to the occupier with 30 days of the receipt of this reference.]

AIL/Lic No.15402/2024-25/028

Date : 08.08.2024

To,
The Deputy Director,
Industrial Safety & Health,
2nd Floor, Multi Storied Building,
Near New Court,
Kanbi Vaga, Bharuch.

Subject : Submission of External Safety Audit Report as per IS 14489:2018]

Respected sir,

With reference to the above subject, we aarti Industries Limited (AIL) operates a fully integrated manufacturing set-up of synthetic organic & specialty chemicals at Plot No.756/2A&B, 756/3A&B, 756/4A&B, 756/5A&B, 756/6, 756/7, 756/8, 756/9, 778 & 779, GIDC PB NO- 23, Jhagadia, Dist- Bharuch, Gujarat, 393110

We are submitting the External Safety Audit Report as per IS 14489:2018.As per the Safety Audit is a legal requirement Under Rule 12-C, 68-O and 68-J of The Gujarat Factories Rules, 1963 and Rule 10 of The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.

Kindly acknowledge & oblige.

Thanking You,

For AARTI INDUSTRIES LIMITED

Authorized Signatory

Dharmendra Kumar

(Factory Manager)

Plot No.756/2A&B, 756/3A&B, 756/4A&B, 756/5A&B, 756/6, 756/7, 756/8, 756/9, 778 & 779,
GIDC PB NO- 23, Jhagadia,
Dist- Bharuch, Gujarat, 393110

Enclosure: Annexure1: External Safety Audit Report (as per IS 14489:2018)
Annexure 2: Compliance Report

www.aarti-industries.com | CIN: L24110GJ1984PLC007301

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

Factory : Plot No. - 756/4-5-6-7 & 779, GIDC Jhagadia - 393 110, Dist - Bharuch, Gujarat (India).

Phone No. : 9537011611, 9537011711, 9537011811

Admin. Office : 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (W), Mumbai - 400080, INDIA.
T : 022-67976666, F : 022-2565 3234 | E : info@aarti-industries.com

Annexure-33

[parivesh.nic.in/compliance/api/appliedCompliance](#)

AIL Bookmarks | Darwin | XGN | AIMS | CPCB-OCEMS | GPCB Glens | CMS | OCEMS | ENVIRONMENT DE... | Rule 9 waste | Routine work | All Bookmarks

परिवेश
PARIVESH
KPC GREEN

परावरण, वन और जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest and Climate Change

LIFE
Lifestyle for environment

75
आज़ादी का
अमृत महोत्सव

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Welcome Shankar M Karhale, Project Proponent

List of Uploaded EC Compliance Reports

Sr.No.	Proposal No. / Name of Project	Compliance No./ EC Letter Number	State and District	Year of Compliance	Period of Compliance	Remarks	Uploaded Date	Status	View
1	SEIAA/GUJ/EC/5(f)/335/2016	EC/M/COMPLIANCE/89175036/2024	GUJARAT	2024	01 Dec(01 Apr - 30 Sep)	Half-yearly compliance report to the condition of Environment Clearance for the period of Apr 24 to Sept 24.	29-11-2024	Submitted Successfully	View Report View Documents Compliance Summary
	Environment Clearance to M/s. Aarti Industries Limited for setting up of proposed expansion for manufacturing of Synthetic Organic Chemicals at Plot No. 756/4 A and 4B, 756/5 A and 4B, 756/6 and 779, GIDC Jhagadia, District: Bharuch, Gujarat in category 5(f) of schedule annexed with EIA Notification dated 14/09/2006	SEIAA/GUJ/EC/5(f)/335/2016	BHARUCH						
2	SIA/GJ/IND2/19817/2017	EC/M/COMPLIANCE/112028649/2024	GUJARAT	2024	01 Dec(01 Apr - 30 Sep)	Half-yearly compliance report to the condition of Environment Clearance for the period of Apr 24 to Sept 24.	29-11-2024	Submitted Successfully	View Report View Documents Compliance Summary
	Amendment to Environment Clearance Order No. SEIAA/GUJ/EC/5(f)/335/2016 dated 20/05/2016	SEIAA/GUJ/EC/5(f)/1342/2017	BHARUCH						
3	SIA/GJ/IND2/33648/2017	EC/M/COMPLIANCE/112028823/2024	GUJARAT	2024	01 Dec(01 Apr - 30 Sep)	Half-yearly compliance report to the condition of Environment Clearance for the period of Apr 24 to Sept 24.	29-11-2024	Submitted Successfully	View Report View Documents Compliance Summary
	Amendment to Environment Clearance Order No. SEIAA/GUJ/EC/5(f)/335/2016 dated 20/05/2016 and amended vide letter No. SEIAA/GUJ/EC/5(f)/1342/2017 dated 30/12/2017 for M/s Aarti Industries Limited (Unit-II)	SEIAA/GUJ/EC/5(f)/894/2019	BHARUCH						
4	SIA/GJ/IND2/123094/2018	EC/M/COMPLIANCE/112039881/2024	GUJARAT	2024	01 Dec(01 Apr - 30 Sep)	Half-yearly compliance report to the condition of Environment Clearance for the period of Apr 24 to Sept 24.	29-11-2024	Submitted Successfully	View Report View Documents Compliance Summary

CL-1 CONFIDENTIAL

TEST REPORT

ULR No.	---	Report No.	URC/25/02/L-0302
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT	Date Of Report	15/02/2025
		Customer's Ref.	--
Sample Details	Waste Water Sample	Location	NCT Discharge
Sample Qty.	2 Lit. + 20 Lit.	Appearance	Colorless
Sampling Date	07/02/2025	Sample Received Date	08/02/2025
Test Started Date	08/02/2025	Test Completion Date	14/02/2025
Sampled By	Client.	Sampling Method	--
UERL Lab ID. No.	25/02/L-0302		

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Pollution & Environment		
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Permissible Limit	Results
PHYSIO-CHEMICAL PARAMETERS					
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	6.0 to 9.0	7.67
2.	Colour	IS 3025(Part 4):2021	Pt. Co. Scale	All effort shall be made to remove Colour as far as possible	50
3.	Temperature	IS 3025(Part 9):2023	°C	Shall not Exceed More than 5 °C Above Ambient Water Temp	30.0
4.	Total Dissolved Solids	APHA 24th Ed.,2023, 2540-C	mg/L	--	1975
5.	Total Suspended Solids	APHA 24th Ed.,2023, 2540 D	mg/L	150	32
GENERAL CHEMICAL PARAMETERS					
6.	Oil & Grease	IS 3025(Part 39):2021	mg/L	10	BDL(MDL:2.0)
7.	Fluoride	APHA 24th Ed.,2023,4500 F, D	mg/L	15	0.80
8.	Sulphide	APHA 24th Ed.,2023,4500 S ⁻² F	mg/L	5	BDL(MDL:0.05)
9.	TKN	APHA 24th Ed.,2023,4500 NORG, B	mg/L	50	22.3
10.	Ammonical Nitrogen	APHA 24th Ed.,2023,4500 NH ₃ -B&C	mg/L	50	17.2
11.	Copper	APHA 24th Ed.,2023,3111-B,	mg/L	3	BDL(MDL:0.05)
12.	Zinc	APHA 24th Ed.,2023,3111-B,	mg/L	15	0.068
13.	COD	IS 3025(Part 58):2023	mg/L	500	261
14.	BOD (3 days at 27 °C)	IS 3025(Part 44):2023	mg/L	100	72
15.	Arsenic	APHA 24th Ed.,2023,3114-C	mg/L	0.2	BDL(MDL:0.01)
16.	Mercury	APHA 24th Ed.,2023,3112-B	mg/L	0.01	BDL(MDL:0.001)
17.	Lead	APHA 24th Ed.,2023,3111-B,	mg/L	0.1	BDL(MDL:0.01)
18.	Cadmium	APHA 24th Ed.,2023,3111-B,	mg/L	0.05	BDL(MDL:0.003)
19.	Hexavalent Chromium	APHA 24th Ed.,2023,3500CrB	mg/L	0.1	BDL(MDL:0.05)
20.	Nickel	APHA 24th Ed.,2023,3111-B,	mg/L	3	0.21
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit,					

TEST REPORT

ULR No.	---	Report No.	URC/25/02/L-0302
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT	Date Of Report	15/02/2025
		Customer's Ref.	--
Sample Details	Waste Water Sample	Location	NCT Discharge
Sample Qty.	2 Lit. + 20 Lit.	Appearance	Colorless
Sampling Date	07/02/2025	Sample Received Date	08/02/2025
Test Started Date	08/02/2025	Test Completion Date	14/02/2025
Sampled By	Client.	Sampling Method	--
UERL Lab ID. No.	25/02/L-0302		

TEST RESULTS:

DISCIPLINE: Chemical Testing		NAME OF GROUP: Pollution & Environment			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Permissible Limit	Results
GENERAL CHEMICAL PARAMETERS					
21.	Cyanide	IS 3025(Part 27):1986	mg/L	0.2	BDL(MDL:0.05)
22.	Phenolic Compound	IS 3025(Part 43):2022	mg/L	5	BDL(MDL:0.1)
23.	Iron	APHA 24th Ed.,2023,3111-B,	mg/L	3	1.64
24.	Nitrate	APHA 24th Ed.,2023,4500 NO3-B	mg/L	50	15.2
25.	Total Residual Chlorine	APHA 24th Ed.,2023, 4500-Cl, G	mg/L	1	BDL(MDL:0.1)
26.	Manganese	APHA 24th Ed.,2023,3500 Mn B	mg/L	2	BDL(MDL:0.1)
27.	Selenium	APHA 24th Ed.,2023 -3114-C,	mg/L	0.05	BDL(MDL:0.05)
28.	Vanadium	APHA 24th Ed.,2023,3500 – V	mg/L	0.2	BDL(MDL:0.5)
29.	Pesticides/Insecticide	US EPA 8081 B	µg/L	Absent	Absent
30.	Bio Assay test	IS 6582 (Part 1): 1971	%	90 % survival of fish after 96 hrs in 100% effluent	90 % survival of fish after 96 hrs in 100% effluent

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

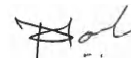
***** End of Report *****

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)

TEST REPORT

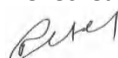
ULR No.	---	Report No.	URC/25/02/L-0302
Name & Address of Customer	M/s. AARTI INDUSTRIES LIMITED PLOT NO. 756/2 A&B, 756/3 A&B, 756/4 A&B, 756/5 A&B, 756/6, 756/7, 756/8+9, 778 & 779, GIDC ESTATE, JHAGADIA, DIST-BHARUCH, GUJARAT	Date Of Report	15/02/2025
		Customer's Ref.	--
Sample Details	Waste Water Sample	Location	NCT Discharge
Sample Qty.	2 Lit. + 20 Lit.	Appearance	Colorless
Sampling Date	07/02/2025	Sample Received Date	08/02/2025
Test Started Date	08/02/2025	Test Completion Date	14/02/2025
Sampled By	Client.	Sampling Method	--
UERL Lab ID. No.	25/02/L-0302		

TEST RESULTS:

DISCIPLINE: Chemical Testing				NAME OF GROUP: Pollution & Environment	
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Permissible Limit	Results
1.	Odour	IS 3025(Part 5):2018	Pt. Co. Scale	All effort shall be made to remove Unpleasant Odour as far as possible	Unobjectionable
GENERAL CHEMICAL PARAMETERS					
2.	Trivalent Chromium	By Calculation	mg/L	2	BDL(MDL:0.05)
3.	TOC	By Calculation	mg/L	--	120
4.	Total Nitrogen	APHA 24th Ed.,2023,4500-B, C	mg/L	--	40.3
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit,					
Remarks: --					
Opinion & Interpretation (If required): --					

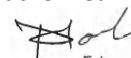
***** End of Report *****

Checked By:



Nilesh C. Patel
(Sr. Chemist)

Authorized By:



Nitin B. Tandel
(Technical Manager)